

## BSG guidelines 2019: Supplementary tables and appendices

Supplementary Table 1: Affiliations of IBD guidelines eDelphi consensus group .....	2
Supplementary Table 2: Conflicts of interests declared by guideline development group at time of submission for publication and prior to final eDelphi vote for all other contributors.....	6
Supplementary Table 3: Number of voters and abstentions for Statements and Good Practice Recommendations in final eDelphi vote.....	22
Supplementary Table 4: Readability testing of research priority themes derived from systematic review.....	24
Supplementary Table 5: Subgroup analyses of research theme importance to respondents of 1 <sup>st</sup> and 2 <sup>nd</sup> survey by Crohn's and Colitis UK.....	25
Supplementary Appendix 1: Clinical question development mapped to clinical framework .....	26
Supplementary Appendix 2: Systematic review database search strategy.....	52
Supplementary Appendix 3: Statements failing to reach 80% consensus agreement in final eDelphi voting round.....	75

Supplementary Table 1: Affiliations of IBD guidelines eDelphi consensus group

First name or Initial	Preferred name or middle initial	Family name	First affiliation	Second affiliation	Profession/Representation
Ian		Arnott	Western General Hospital, Edinburgh		Adult gastroenterologist
Kevin	J	Barrett	New Road Surgery, Hertfordshire		General Practitioner
R	Mark	Beattie	Southampton Children's Hospital, University Hospital Southampton NHS Foundation Trust		Paediatric gastroenterologist
Stuart		Bloom	University College London Hospitals NHS Foundation Trust		Adult gastroenterologist
Keith		Bodger	University of Liverpool	Aintree University Hospital NHS Foundation Trust	Adult gastroenterologist
Richard	R	Brady	Newcastle upon Tyne Hospitals NHS Foundation Trust	Newcastle University	Colorectal surgeon
Matthew	J	Brookes	Royal Wolverhampton NHS Trust	University of Wolverhampton	Adult gastroenterologist
Steven	R	Brown	Sheffield Teaching Hospitals NHS Foundation Trust		Colorectal surgeon
Jeffrey	R	Butterworth	Shrewsbury and Telford Hospitals NHS Trust		Adult gastroenterologist
Christopher	R	Calvert	Royal Devon and Exeter NHS Foundation Trust		Adult gastroenterologist
Rachel		Campbell	Stockport Acute Foundation Trust		Nurse specialist (adult)
Tom		Creed	University Hospitals Bristol NHS Foundation Trust	University of Bristol	Adult gastroenterologist
Nicholas	M	Croft	Barts and the London School of Medicine and Dentistry, Queen Mary University of London	Barts Health NHS Trust	Paediatric gastroenterologist
Fraser		Cummings	University Hospital Southampton NHS Foundation Trust	University of Southampton	Adult gastroenterologist
R	Justin	Davies	Cambridge University Hospitals NHS Foundation Trust	University of Cambridge	Colorectal surgeon
David		Devadason	Nottingham University Hospitals NHS Trust	Nottingham Children's Hospital	Paediatric gastroenterologist
Anjan		Dhar	County Durham and Darlington NHS Foundation Trust	Durham University	Adult gastroenterologist

Chris		Dipper	Newcastle upon Tyne Hospitals NHS Foundation Trust		Adult gastroenterologist
Julie		Duncan	Guy's and St Thomas' NHS Foundation Trust		Nurse specialist (adult)
Malcolm		Dunlop	University of Edinburgh	Western General Hospital, Edinburgh	Colorectal surgeon
Dharmaraj		Durai	University Hospital of Wales, Cardiff		Adult gastroenterologist
Martyn	D	Evans	Morrison Hospital, Swansea		Colorectal surgeon
Omar		Faiz	St Mark's Hospital	Imperial College London	Colorectal surgeon
Nicola	S	Fearnhead	Cambridge University Hospitals NHS Foundation Trust		Colorectal surgeon
Alexander	C	Ford	Leeds Teaching Hospitals NHS Trust	University of Leeds	Adult gastroenterologist
Aileen		Fraser	University Hospitals Bristol NHS Foundation Trust		Nurse specialist (adult)
Vikki		Garrick	Royal Hospital for Children, Glasgow		Nurse specialist (paediatrics)
Daniel	R	Gaya	Glasgow Royal Infirmary	University of Glasgow	Adult gastroenterologist
James		Goodhand	Royal Devon and Exeter NHS Foundation Trust	University of Exeter	Adult gastroenterologist
Nigel		Hall	Cambridge University Hospitals NHS Foundation Trust		Colorectal surgeon
Richard		Hansen	Royal Hospital for Children, Glasgow	University of Glasgow	Paediatric gastroenterologist
Marcus		Harbord	Chelsea and Westminster Hospital NHS Foundation Trust	Imperial College London	Adult gastroenterologist
A	Barney	Hawthorne	University Hospital of Wales, Cardiff		Adult gastroenterologist
Bu'Hussain		Hayee	King's College Hospital NHS Foundation Trust	King's College London	Adult gastroenterologist
Sarah		Hearnshaw	Newcastle upon Tyne Hospitals NHS Foundation Trust		Adult gastroenterologist
Paul		Henderson	Royal Hospital for Sick Children, Edinburgh	Child Life and Health, University of Edinburgh	Adult gastroenterologist
Philip		Hendy	Chelsea and Westminster Hospital NHS Foundation Trust	Imperial College London	Adult gastroenterologist
Tariq		Iqbal	Queen Elizabeth Hospital Birmingham NHS Foundation Trust	University of Birmingham	Adult gastroenterologist
Paul	D	Johnston	Crohn's and Colitis UK		Patient
Nicholas	A	Kennedy	Royal Devon and Exeter NHS Foundation Trust	University of Exeter	Adult gastroenterologist
Christopher	A	Lamb	Newcastle University	Newcastle upon Tyne	Adult gastroenterologist

				Hospitals NHS Foundation Trust	
Jimmy	K	Limdi	The Pennine Acute Hospitals NHS Trust	University of Manchester	Adult gastroenterologist
James	O	Lindsay	Barts Health NHS Trust	Barts and the London School of Medicine and Dentistry, Queen Mary University of London	Adult gastroenterologist
Alan	J	Lobo	Sheffield Teaching Hospitals NHS Foundation Trust	University of Sheffield	Adult gastroenterologist
Miranda		Lomer	Guy's and St Thomas' NHS Foundation Trust	King's College London	Dietitian
Richard	E	Lovegrove	Worcestershire Acute Hospitals NHS Trust		Colorectal surgeon
John	C	Mansfield	Newcastle upon Tyne Hospitals NHS Foundation Trust		Adult gastroenterologist
Simon		Mclaughlin	Royal Bournemouth and Christchurch Hospitals NHS Foundation Trust	Bournemouth University	Adult gastroenterologist
Christopher	G	Mountford	Newcastle upon Tyne Hospitals NHS Foundation Trust		Adult gastroenterologist
Rafeeq		Muhammed	Birmingham Children's Hospital		Paediatric gastroenterologist
Nurulamin	M	Noor	University of Cambridge	Cambridge University Hospitals NHS Foundation Trust	Adult gastroenterologist
Simon		Panter	South Tyneside NHS Foundation Trust		Adult gastroenterologist
Gareth	C	Parke	Barts Health NHS Trust	Barts and the London School of Medicine and Dentistry, Queen Mary University of London	Adult gastroenterologist
Miles		Parke	Cambridge University Hospitals NHS Foundation Trust		Adult gastroenterologist
Thomas	D	Pinkney	University of Birmingham	University Hospitals Birmingham NHS Foundation Trust	Colorectal surgeon
Chris		Probert	University of Liverpool	Royal Liverpool and Broadgreen University Hospitals NHS Trust	Adult gastroenterologist
Tim		Raine	Cambridge University Hospitals NHS Foundation Trust		Adult gastroenterologist
Richard	K	Russell	Royal Hospital for Children, Glasgow		Paediatric gastroenterologist
Matthew	D	Rutter	North Tees and Hartlepool Hospitals NHS	Newcastle University	Adult gastroenterologist

			Foundation Trust		
Mark	A	Samaan	Guy's and St Thomas' NHS Foundation Trust	King's College London	Adult gastroenterologist
Jeremy	D	Sanderson	Guy's and St Thomas' NHS Foundation Trust	King's College London	Adult gastroenterologist
Christian	P	Selinger	Leeds Teaching Hospitals NHS Trust	University of Leeds	Adult gastroenterologist
Ashit		Shah	Royal Wolverhampton NHS Trust		Adult gastroenterologist
Steve	J	Short	Saltmead Medical Centre, Cardiff	Cardiff and Vale University Health Board	General Practitioner
Baljit		Singh	University Hospitals of Leicester		Colorectal surgeon
Philip	J	Smith	Royal Liverpool and Broadgreen University Hospitals NHS Trust		Adult gastroenterologist
Melissa		Smith	Brighton and Sussex University Hospitals NHS Trust	Brighton and Sussex Medical School	Adult gastroenterologist
R	Alexander	Speight	Newcastle upon Tyne Hospitals NHS Foundation Trust	Newcastle University	Adult gastroenterologist
Catherine		Stansfield	Salford Royal NHS Foundation Trust		Nurse specialist (adult)
Helen		Steed	The Royal Wolverhampton NHS Trust		Adult gastroenterologist
Stuart	A	Taylor	University College London	University College London Hospitals NHS Foundation Trust	Radiologist
Helen		Terry	Crohn's and Colitis UK		Director of Research, Crohn's and Colitis UK
Tony	C	Tham	Ulster Hospital, Dundonald, Belfast		Adult gastroenterologist
Nick	P	Thompson	Newcastle upon Tyne Hospitals NHS Foundation Trust		Adult gastroenterologist
Gareth	J	Walker	Royal Devon and Exeter Hospital Foundation NHS Trust	University of Exeter	Adult gastroenterologist
Catherine	L	Wall	King's College London		Dietitian
Janindra		Warusavitarne	St Mark's Hospital		Colorectal surgeon
Gethin	L	Williams	Royal Gwent Hospital, Newport		Colorectal surgeon
R	Graeme	Wilson	Western General Hospital, Edinburgh	University of Edinburgh	Colorectal surgeon
David	C	Wilson	Child Life and Health, University of Edinburgh	Royal Hospital for Sick Children, Edinburgh	Paediatric gastroenterologist
Lisa	C	Younge	Barts Health NHS Trust		Nurse specialist (adult)

## Supplementary Table 2: Conflicts of interests declared by guideline development group at time of submission for publication and prior to final eDelphi vote for all other contributors

**Q1:** Do you, your partner (if applicable) or any member of your immediate family have any commercial interest (including personal shares, sponsorship or paid consultancy work) in any companies that are, or could be, involved in the above-named guideline?

**Q2:** Does your department or unit receive financial support from any commercial organisations that are, or could be, involved in the above-named guideline?

**Q3:** Are you a consultant to or a member of any national body, charity or pressure group whose work is related to the above-named guideline?

**Q4:** Do you receive editorial fees for commissioned articles for publication (in any format) or are you paid for editorial work for any publication related to the above-named guideline?

**Q5:** Do you or your department hold a patent (existing or pending) related to the above-named guideline?

First name or Initial	Preferred name or middle initial	Family name	Q1 response	Q2 response	Q3 response	Q4 response	Q5 response	Additional information declared
Ian		Arnott	nil	nil	nil	nil: no	nil: no	nil
Kevin	J	Barrett	Primary Care Society for Gastroenterology – (I am the Chair of the Primary Care Society for Gastroenterology, an organisation that receives funding from a number of pharmaceutical companies related to the field of gastroenterology. The post is unpaid. I have received honoraria for speaking at events organised by Tillots, Ferring, Thermo Fisher Scientific, and A2 Milk from: 11 2017)	nil	Crohn's and Colitis UK - (RCGP and Crohn's and Colitis UK Inflammatory Bowel Disease Spotlight Project Clinical Champion 2017-2019 from: 04 to 03 2019)	nil: no	nil: no	I have Crohn's Disease
R	Mark	Beattie	nil	nil	nil	nil: no	nil: no	nil
Cathy		Bennett	Systematic Research Ltd (Paid consultant providing guideline)	Systematic Research Ltd (Paid guideline)	BSG, other academic and profession bodies	Cochrane Collaboration, Research Square	nil: no	I am the proprietor of Systematic Research Ltd and

			methodology advice from: 11 2016 to: 01 2019)	consultant to BSG, ongoing from: 01 2016 to: 01 2019)	including Cochrane Collaboration and ISDE (Paid consultancy, ongoing from: 04 to: 01 2019)	(editor)		receive a director's income from that company. My activities include consultancy, authorship and technical editing for systematic reviews and clinical guidelines, and other technical and medical research activities.
Stuart		Bloom	nil	nil	nil	nil: no	nil: no	nil
Keith		Bodger	nil	nil	Crohn's & Colitis UK - (Free consultancy and advice)	nil: no	nil: no	nil
Richard	R	Brady	nil	nil	Nil	nil: no	nil: no	nil
Matthew	J	Brookes	nil	Vifor International - (research funding from: 01 2017 to: 01 2019) Tillotts pharma - (research funding from: 01 2018 to: 01 2019)	Guts UK from: 06 to: 12 2018)	nil: no	nil: no	nil
Steven	R	Brown	nil	nil	nil	nil: no	nil: no	nil
Jeffrey	R	Butterworth	nil	nil	nil	nil: no	nil: no	nil
Christopher	R	Calvert	nil	See final column	nil	nil: no	nil: no	Unclear on my departments COI at the Royal Devon and Exeter but understand that the research group obtain funding from commercial companies to further their research. (Dr Ahmad, Dr

								Kennedy, Dr Goodhand)
Rachel		Campbell	nil	nil	nil	nil: no	nil:	nil
Tom		Creed	nil	nil	Crohn's and Colitis UK - (medical advisor from: 01 to: 09 2016)	nil: no	nil: no	nil
Nicholas	M	Croft	nil	Abbvie - (Clinical trials Consultancy) Shire - (CI of clinical trial) Eli Lilly - (Consultancy) Takeda - (Clinical trial) Pfizer - (PI clinical trial) Cellgene - (Clinical trial)	BSPGHAN - (President from: 01 to: 12 2018)	nil: no	nil: no	nil
Fraser		Cummings	Biogen - (Research collaboration, speaker fees, ad board from: 01 2015) Janssen - (Speaker fees, Ad board from: 01 2015) AbbVie - (Speaker fees, ad board from: 01 2011) MSD - (Speaker fees, ad boards from: 01 2011) Takeda - (Speaker Fees, Ad boards, research collaboration from: 01 2014) NAPP - (Speaker fees, ad boards from: 01 2014) Hospira/Pfizer - (Speaker fees, ad boards from: 01 2015) Falk - (Speaker fees, ad boards from: 01 2015)	nil	nil	nil: no	nil: no	nil



			Sandoz - (Speaker fees from: 01 2016)					
R	Justin	Davies	nil	nil	Association of Coloproctology of Great Britain and Ireland – (ACPGBI IBD Committee from: 07 to: 01 2019) American Society of Colon and Rectal Surgeons – (ASCRS IBD Committee from: 07 to: 01 2019)	nil: no	nil: no	Topic Advisor, NICE Colorectal Cancer Guidelines Committee (April 2017 to now)
David		Devadason	nil	nil	nil	nil: no	nil: no	nil
Anjan		Dhar	nil	nil	nil	nil: no	nil: no	I have received honoraria, advisory fees and consultancy from several IBD related pharmaceutical companies and endoscopy companies, but not directly related to the development of this guidelines
Chris		Dipper	nil	nil	nil	nil: no	nil: no	nil
Julie		Duncan	Takeda - (consultancy or lecturing fees) Shire - (consultancy or lecturing fees) MSD - (consultancy or lecturing fees) Janssen - (consultancy or lecturing fees) Allergan - (sponsorship, lecturing fees) Dr Falk - (sponsorship, lecture	nil	nil	nil: no	nil: no	nil

			fees) (Note: Julie Duncan became employed by Takeda from July 2018, but had no further involvement with the guidelines development from that date)					
Malcolm		Dunlop	nil	nil	nil	nil: no	nil: no	nil
Dharmaraj		Durai	nil	nil	nil	nil: no	nil: no	nil
Martyn	D	Evans	nil	nil	nil	nil: no	nil: no	nil
Omar		Faiz	nil	Sponsorship at clinical and academic meetings only	Ex-Chair of Ileal Pouch Registry and IBD Subcommittee, Association of Coloproctology of Great Britain & Ireland	nil: no	nil: no	nil
Nicola	S	Fearnhead	nil	nil	Crohn's and Colitis UK - (member of healthcare professionals advisory group from: 10)	nil: no	nil: no	Speaker fees from Stratagen, Takeda and Janssen
Alexander	C	Ford	nil	nil	nil	nil: no	nil: no	nil
Aileen		Fraser	Dr Falk pharma – (Speaker fees advisory board support to attend conference) Abbvie – (Speaker fees advisory board support to attend conference) Takeda – (Speaker fees advisory board support to attend conference ) Janssen – (Speaker fees advisory board support to attend conference ) MSD –	nil	nil	nil: no	nil: no	nil

			(Speaker fees advisory board) Pharmacosmos – (Speaker fees advisory board support to attend conference) Allergen – (Speaker fees advisory board support to attend conference) Ferring – (Speaker fees advisory board) Tillots – (Speaker fees) Shire – (Speaker fees advisory board support to attend conference)					
Vikki		Garrick	nil	nil	CCUK – (Editorial panel from: 01)	nil: no	nil: no	Speakers fees Ferring Sept 2018
Daniel	R	Gaya	Abbvie – (Speaker fees from: 05 2018 to: 05 2018) Pfizer – (Speaker fees from: 09 2018 to: 09 2018) Janssen – (Speaker fees from: 02 2018 to: 02 2018)	nil	BSG IBD Committee Secretary – from: 06 to: 06 2019	nil: no	nil: no	nil
Stuart		Gittens	nil	nil	nil	nil: no	nil: no	nil
James		Goodhand	nil	nil	nil	nil: no	nil:	nil
Nigel		Hall	nil	nil	nil	nil: no	nil: no	nil
Richard		Hansen	4D Pharma - (Consultancy fees from: 06 2014 to: 09 2017) Nutricia – (Advisory board/lecture fees from: 01 2017 to: 09 2018)	nil	Crohn's in Childhood Research Association - (Honorary Medical Director from: 03 to: 03 2019)	nil: no	nil: no	nil

Marcus		Harbord	nil	nil	nil	nil: no	nil: no	nil
A	Barney	Hawthorne	nil	nil	Crohn's Colitis UK – (Chair of healthcare professional advisory panel. Member of IBD UK working group on IBD Standards from: 09 to: 01 2019)	nil:	nil:	nil
Bu'Hussain		Hayee	nil	nil	nil	nil: no	nil: no	nil
Sarah		Hearnshaw	nil	nil	nil	nil: no	nil: no	nil
Paul		Henderson	nil	nil	nil	nil: no	nil: no	nil
Philip		Hendy	Abbvie – (Sponsorship to attend scientific congress. Speaker training course fees. from: 04 2017 to: 03 2018)	nil	nil	nil: no	nil: no	nil
Tariq		Iqbal	nil	nil	nil	nil: no	nil: no	nil
Paul	D	Johnston	nil	nil	Crohn's and Colitis UK (from: 05 to: 01 2019)	nil: no	nil: no	nil
Nicholas	A	Kennedy	nil	Celltrion – (Payment to departmental research fund for advisory board input and talks from NAK from: 10 2018) Janssen - (Payment to departmental research fund for talks from NAK from: 01 2018) Abbvie – (Departmental research funding from: 01 2013)	ECCO – (Member) BSG – (Member)	Associate editor for AP&T since July 2007	nil: no	nil

				MSD – (Departmental research funding from: 01 2013) Pfizer – (Departmental research) NAPP – (Departmental research funding) Celgene – (Departmental research funding) Takeda – (Payment to departmental research fund for talks from NAK. from: 01 2018 to: 01 2018)				
Christopher	A	Lamb	nil	nil	nil	nil: no	nil: no	I do not have any conflicts in the above domains. However, I wish to declare that I receive research support from Genentech (a member of the Roche group). This company currently have a compound (etrolizumab) that is in Phase 3 clinical trials.
Jimmy	K	Limdi	MSD – (Speaker fee from: 01 2016 to: 08 2018) Abbvie – (Member of Steroid steering committee- developed the steroid assessment	nil	nil	nil: no	nil: no	nil

			<p>tool for clinicians from: 06 2014 to: 01 2019)          Abbvie – (Speaker fees from: 06 2014 to: 11 2018)          Takeda – (Speaker fee from: 06 2018 to: 06 2018)          Takeda – (Research support (IIS study on diet in IBD- not connected with drug therapy) from: 09 2018 to: 01 2019) Janssen – (Speaker fees from: 05 2018 to: 05 2019)</p>					
James	O	Lindsay	<p>AbbVie - (honoraria for consulting, on an advisory board, honoraria for speaking, funds to attend conferences) MSD - (honoraria for consulting, on an advisory board, honoraria for speaking, funds to attend conferences) Takeda - (honoraria for consulting, on an advisory board, honoraria for speaking, funds to attend conferences) Pfizer - (honoraria for consulting, on an advisory board, honoraria for speaking, funds to attend conferences) Janssen -</p>	<p>Pfizer - (investigator led research grant from: 09 2016 to: 09 2017)</p>	<p>ECCO - (Governing Board member from: 02 to: 09 2018)</p>	<p>nil: no</p>	<p>nil: no</p>	<p>nil</p>

			(honoraria for consulting, on an advisory board, honoraria for speaking, funds to attend conferences) Shire - (honoraria for consulting, on an advisory board, honoraria for speaking, funds to attend conferences) GSK - (on an advisory board) celtrion - (honoraria for consulting, on an advisory board, honoraria for speaking) Ferring - (honoraria for consulting, on an advisory board, honoraria for speaking) Cellgene - (honoraria for consulting, on an advisory board)					
Alan	J	Lobo	MSD - (Consultancy from: 08 2017 to: 10 2018) Takeda - (Speaker fees from: 01 2015 to: 11 2018) Vifor - (Advisory Board membership from: 01 2015 to: 12 2018) Janssen - (Speaker fees from: 06 2017 to: 06 2018) AbbVie - (Advisory Board from: 11 2016 to: 01 2017) Pfizer - (Advisory Board from: 12 2017 to: 06 2018)	nil	Crohn's and Colitis UK - (Editorial Board member from: 01 to: 12 2018)	nil: no	nil: no	nil

Miranda		Lomer	Janssen – (Consultancy from: 10 2018 to: 11 2018) Abbvie – (Conference presentation from: 04 2018 to: 05 2018) Nutricia – (Conference presentation from: 10 2016 to: 11 2016) Pfizer (Consultancy from: 01 2019 to: 02 2019) Janssen – (Conference presentation from: 10 2016 to: 11 2016)	nil	Crohn's and Colitis UK – (Medical Awards Committee member from: 09 to: 12 2019)	nil: no	nil: no	I am a co-inventor of a mobile app regarding the low FODMAP diet.
Richard	E	Lovegrove	nil	nil	nil	nil: no	nil: no	nil
John	C	Mansfield	Tillotts - (Support for attending gastro meetings from: 03 2016 to: 12 2018) Takeda - (Payment for contribution to symposium from: 09 2017 to: 10 2017) Genentech inc - (Payment for contribution trial safety monitoring committee from: 04 2017 to: 12 2018)	Genentech inc - (Departmental research support from: 09 2018 to: 12 2018)	nil	nil: no	nil: no	nil
Simon		Mclaughlin	nil	nil	nil	nil: no	nil: no	nil
Christopher	G	Mountford	nil	nil	nil	nil: no	nil: no	nil
Rafeeq		Muhammed	AbbVie - (Speaker Bureau, advisory board, research grant from: 01 2014 to: 09 2018) Dr Falk - (Speaker bureau, advisory board from: 01 2014 to: 09 2018)	nil	Crohn's Colitis UK - (Member of medical and research board from: 09 to: 08 2018)	nil: no	nil: no	nil



			Tillott's pharma - (Conference support from: 01 2014 to: 09 2018) Janssen - (Research grant from: 01 2014 to: 09 2018) Pfizer - (Advisory board from: 01 2016 to: 11 2018) Roche - (Advisory board from: 07 2018 to: 07 2018) Ferring pharmaceuticals - (Speaker bureau from: 09 2018 to: 09 2018) Takeda pharma - (Research grant from: 07 2018 to: 09 2018) 4D pharma - (Research grant from: 08 2017 to: 08 2018)					
Nurulamin	M	Noor	nil	nil	nil	nil: no	nil: no	nil
Simon		Panter	nil	Fuji - (Scope trials Previous fellow) Olympus - (Scope trials) Medtronic - (Potential research study support)	nil	nil: no	nil: no	nil
Gareth	C	Parkes	Takeda – (Advisory board, Travel bursary & Speaker fees from: 01 2016 to: 12 2019) AbbVie – (Advisory Board, Travel bursary & Speaker fees from: 01 2014 to: 12 2019) Janssen – (Advisory board, Travel bursary & Speaker fees from: 09 2017 to: 02 2019)	nil	nil	nil: no	nil: no	nil

Miles		Parkes	AbbVie - (Ad board and speaker honorarium from: 02 2014 to: 09 2017) Takeda - (Ad board and speaker honorarium from: 01 2016 to: 09 2018) Allergan - (Speaker fees from: 01 2016 to: 12 2016) Janssen - (Ad board and speaker fees from: 09 2017 to: 09 2018)	nil	Crohn's and Colitis UK – (Research Advisory Committee from: 04 to: 01 2019)	nil: no	nil: no	nil
Thomas	D	Pinkney	nil	nil	ACPGBI IBD Subcommittee and Clinical Advisory Group - (Surgical IBD forum from: 09 to: 09 2018)	nil: no	nil: no	nil
Chris		Probert	Janssen - (speaker fees from: 01 2016 to: 12 2018) Falk - (speaker fees from: 01 2016 to: 12 2018)	nil	CCUK - (Grant recipient and ad board member from: 01 to: 12 2018)	nil: no	nil: no	nil
Tim		Raine	AbbVie - (Speaker fees, consulting fees, unrestricted educational grants from: 01 2015 to: 01 2019) Janssen – (Speaker fees, consulting fees from: 08 2015 to: 01 2019) Pfizer – (Consulting fees from: 01 2017 to: 01 2019) Sandoz – (Consulting fees from: 01 2017 to: 09 2018) Takeda – (Speaker	nil	nil	nil: no	nil: no	nil

			fees, consulting fees from: 01 2015 to: 01 2019)					
Richard	K	Russell	nil	Netec - (grant for research from: 01 2017 to: 01 Select Year)	nil	nil: no	nil: no	Received speaker's fees, travel support, and participated in medical board meetings with AbbVie, Janssen, Shire, Celltrion, NAPP and Nestle
Matthew	D	Rutter	nil	AbbVie - (grant for IBD registry from: 01 2017 to: 08 2018)	nil	nil: no	nil: no	nil
Mark	A	Samaan	nil	nil	nil	nil: no	nil: no	Advisory fees: Takeda, Janssen Lecture fees: Takeda, MSD, Janssen, Falk
Jeremy	D	Sanderson	nil	nil	nil	nil: no	nil: no	nil
Christian	P	Selinger	nil	AbbVie – (Consultancy, speaker fees, research grants from: 01 2015 to: 01 2019) Janssen – (Consultancy, speaker fees, research grants from: 01 2017 to: 01 2019) Takeda – (Consultancy, speaker fees, research grants from: 01 2015 to: 01 2019) Pfizer – (Speaker	nil	nil: no	nil: no	nil

				fees from: 11 2018 to: 01 2019) Dr Falk – (Consultancy, speaker fees from: 01 2015 to: 01 2019) Tillotts – (Speaker fees from: 11 2017 02 2018)				
Ashit		Shah	nil	nil	nil	nil: no	nil: no	nil
Steve	J	Short	nil	nil	nil	nil: no	nil: no	nil
Baljit		Singh	nil	nil	nil	nil: no	nil: no	nil
Philip	J	Smith	nil	nil	CICRA, GUTS UK, IBD Passport trustee	nil: no	nil: no	I am a trustee for CICRA, GUTS UK and IBD Passport - none of these charities have been directly involved in the guideline formation
Melissa		Smith	AbbVie – (I have worked as part of the steroid steering group committee which is involved in national audit of steroid exposure in IBD, this work has been sponsored by Abbvie but is entirely non-promotional from: 11 2014) Ferring – (I was paid honoraria for giving a talk at a national IBD update meeting)	nil	Crohn's and Colitis UK – (Editor of medical information from: 04)	nil: no	nil: no	nil
R	Alexander	Speight	nil	nil	nil	nil: no	nil: no	nil
Catherine		Stansfield	nil	AbbVie - (conference	Royal College of Nursing - (Chair of	Gastrointestinal nursing - numerous	nil: no	nil

				support from: 09 2016 to: 09 2017)	the IBD nurses network from: 01 to: 09 2018)	articles around IBD		
Helen		Steed	nil	nil	nil	nil: no	nil: no	nil
Stuart	A	Taylor	nil	nil	UK IBD - (advise on imaging in IBD)	nil: no	nil: no	Research consultant to Roberts plc Share options in Motilent
Helen		Terry	nil	nil	nil	nil: no	nil: no	nil
Tony	C	Tham	nil	nil	nil	nil: no	nil: no	Speaker honorarium from Janssen. Honorarium for being on the advisory board for Janssen
Nick	P	Thompson	nil	nil	nil	nil: no	nil: no	nil
Gareth	J	Walker	nil	nil	nil	nil: no	nil: no	nil
Catherine	L	Wall	nil	nil	nil	nil: no	nil: no	nil
Janindra		Warusavitarne	nil	nil	nil	nil: no	nil: no	nil
Gethin	L	Williams	nil	nil	nil	nil: no	nil: no	nil
R	Graeme	Wilson	nil	nil	nil	nil: no	nil: no	nil
David	C	Wilson	nil	nil	nil	nil: no	nil: no	Consultancy, meeting expenses and lecture fees from AbbVie. Consultancy with Pfizer, Ferring, Predictimmune and Takeda. Lecture fee from Falk.
Lisa	C	Younge	nil	nil	nil	nil: no	nil: no	nil

### Supplementary Table 3: Number of voters and abstentions for Statements and Good Practice Recommendations in final eDelphi vote

Statement number	% Agree	Voters (n)	Abstentions (n)
1	100.00	46	1
2	95.65	46	1
3	95.56	45	3
4	82.22	45	3
5	90.91	44	3
6	93.18	44	3
7	100.00	46	1
8	100.00	45	2
9	96.55	58	3
10	97.73	44	3
11	91.07	56	5
12	100.00	45	2
13	84.78	46	2
14	95.45	44	3
15	100.00	47	1
16	97.87	47	1
17	97.83	46	1
18	97.78	45	1
19	95.65	46	1
20	97.37	38	1
21	94.44	36	1
22	97.37	38	2
23	97.22	36	2
24	85.71	35	2
25	90.91	33	0
26	94.44	36	3
27	91.11	45	1
28	97.87	47	2
29	100.00	38	5
30	90.91	44	0
31	93.48	46	1
32	100.00	43	1
33	100.00	45	2
34	86.36	44	1
35	86.67	45	3
36	93.48	46	2

Statement number	% Agree	Voters (n)	Abstentions (n)
47	97.73	44	1
48	97.83	46	2
49	97.83	46	2
50	100.00	42	1
51	100.00	45	2
52	92.68	41	0
53	97.56	41	3
54	100.00	46	1
55	97.30	37	1
56	94.44	36	1
57	91.89	37	1
58	100.00	38	2
59	100.00	34	1
60	94.59	37	3
61	94.87	39	1
62	100.00	37	3
63	100.00	38	1
64	97.14	35	0
65	100.00	35	2
66	100.00	37	2
67	97.37	38	3
68	97.22	36	2
69	100.00	38	1
70	89.19	37	0
71	94.44	36	2
72	97.22	36	3
73	97.83	46	2
74	93.48	46	2
75	93.18	44	0
76	93.33	45	1
77	88.37	43	1
78	88.89	45	1
79	88.89	45	2
80	97.83	46	0
81	90.91	44	2
82	93.02	43	2

Statement number	% Agree	Voters (n)	Abstentions (n)
93	97.62	42	3
94	95.35	43	2
95	95.35	43	4
96	93.18	44	1
97	97.87	47	2
98	97.83	46	3
99	90.91	44	3
100	90.70	43	0
101	85.71	42	2
102	93.62	47	5
103	86.67	45	0
104	84.44	45	0
105	97.30	37	0
106	97.30	37	1
107	97.22	36	1
108	94.59	37	0
109	100.00	36	0
110	94.12	34	0
111	97.87	47	2
112	97.83	46	1
113	100.00	46	3
114	100.00	47	1
115	97.83	46	0
116	100.00	46	0
117	95.74	47	0
118	91.11	45	0
119	93.48	46	0
120	89.13	46	1
121	100.00	47	0
122	93.62	47	0
123	81.40	43	0
124	93.33	45	0
125	89.13	46	0
126	95.45	44	0
127	93.02	43	3
128	97.73	44	3

Good Practice Recommendation number	% Agree	Voters (n)	Abstentions (n)
1	95.56	45	2
2	100.00	38	0
3	100.00	37	1
4	100.00	38	0
5	100.00	34	0
6	100.00	38	3
7	97.83	46	1
8	100.00	37	1
9	100.00	37	1
10	100.00	36	2
11	97.37	38	1
12	97.06	34	1
13	97.30	37	4
14	97.87	47	2
15	82.46	57	2
16	97.67	43	3
17	100.00	46	2
18	97.83	46	0
19	82.61	46	1
20	100.00	46	5
21	95.65	46	3
22	95.65	46	0
23	100.00	45	0
24	89.13	46	0
25	93.48	46	0
26	95.65	46	2
27	97.87	47	3
28	100.00	47	7
29	100.00	47	0
30	100.00	46	0
31	97.83	46	1
32	100.00	46	0
33	95.65	46	0

37	86.67	45	1
38	100.00	45	2
39	93.33	45	1
40	100.00	44	1
41	88.37	43	2
42	97.67	43	1
43	95.65	46	2
44	97.73	44	2
45	90.48	42	2
46	95.45	44	2

83	95.45	44	1
84	100.00	47	0
85	100.00	46	0
86	95.65	46	4
87	92.86	42	2
88	81.40	43	0
89	100.00	45	2
90	92.68	41	4
91	97.67	43	3
92	97.67	43	2

129	97.73	44	1
130	95.00%	40	2
131	95.65%	46	2
132	97.92%	48	3
133	100.00%	47	0
134	95.74%	47	0
135	93.62%	47	1

Supplementary Table 4: Readability testing of research priority themes derived from systematic review

Question	Flesch Reading Ease (Range: 0 – very hard; 100 very easy)		Flesch-Kincaid Grade Level (Value corresponds to U.S. grade-school level who would understand text)	
	Healthcare Professional version	General audience version	Healthcare Professional version	General audience version
1	34.8	50.2	12.9	12.0
2	0.0	65.6	20.7	7.3
3	0.7	58.6	20.8	10.3
4	28.7	35.1	13.7	16.6
5	34.5	69.1	12.0	7.1
6	14.6	58.5	15.6	8.6
7	4.9	34.2	17.2	13.4
8	37.9	54.2	11.8	10.6
9	11.3	42.7	15.1	12.2
10	4.9	41.6	17.2	11.8
11	56.2	57.2	9.1	10.3
12	0.0	44.0	17.7	11.4
13	36.4	68.3	13.3	6.9
14	13.3	57.8	18.1	8.9
15	0.0	42	18.3	12.5
16	61.3	100	7.1	1.2
17	32.5	51.4	13.3	9.9
18	19.3	64.7	15.0	8.3
19	60.7	58.4	7.7	9.0
20	11.3	49.6	14.6	10.9
<b>Mean</b>	<b>23.2</b>	<b>55.2</b>	<b>14.6</b>	<b>10.0</b>



## Supplementary Table 5: Subgroup analyses of research theme importance to respondents of 1<sup>st</sup> and 2<sup>nd</sup> survey by Crohn's and Colitis UK

	Crohn's disease patients			Ulcerative colitis patients*			All IBD patients**			Relatives, partners, parents, friends or carers			All groups***		
Research theme	n=479			n=324			n=816			n=115			n=931		
1 <sup>st</sup> survey****	Mean	Lower 95% CI	Upper 95% CI	Mean	Lower 95% CI	Upper 95% CI	Mean	Lower 95% CI	Upper 95% CI	Mean	Lower 95% CI	Upper 95% CI	Mean	Lower 95% CI	Upper 95% CI
1	<b>7.871</b>	7.747	7.996	<b>7.788</b>	7.627	7.949	<b>7.838</b>	7.74	7.936	<b>8.165</b>	7.936	8.395	<b>7.879</b>	7.788	7.969
2	<b>7.077</b>	6.922	7.233	<b>7.163</b>	6.971	7.355	<b>7.113</b>	6.993	7.233	<b>7.536</b>	7.273	7.798	<b>7.165</b>	7.055	7.275
3	<b>7.748</b>	7.615	7.881	<b>7.661</b>	7.487	7.836	<b>7.714</b>	7.609	7.819	<b>7.829</b>	7.59	8.068	<b>7.728</b>	7.631	7.824
4	<b>7.261</b>	7.1	7.422	<b>7.325</b>	7.127	7.522	<b>7.285</b>	7.162	7.409	<b>7.946</b>	7.715	8.177	<b>7.368</b>	7.255	7.48
5	<b>8.07</b>	7.946	8.193	<b>8.172</b>	8.042	8.303	<b>8.117</b>	8.027	8.206	<b>8.23</b>	7.992	8.468	<b>8.131</b>	8.047	8.214
6	<b>7.977</b>	7.839	8.115	<b>7.767</b>	7.591	7.942	<b>7.898</b>	7.791	8.005	<b>7.91</b>	7.646	8.174	<b>7.899</b>	7.8	7.999
7	<b>7.591</b>	7.442	7.741	<b>7.516</b>	7.326	7.706	<b>7.568</b>	7.451	7.684	<b>7.651</b>	7.339	7.964	<b>7.578</b>	7.469	7.687
8	<b>7.467</b>	7.314	7.619	<b>7.525</b>	7.334	7.717	<b>7.491</b>	7.373	7.61	<b>7.589</b>	7.274	7.905	<b>7.503</b>	7.392	7.614
9	<b>6.905</b>	6.711	7.099	<b>6.934</b>	6.721	7.146	<b>6.921</b>	6.778	7.064	<b>7.294</b>	6.959	7.628	<b>6.966</b>	6.834	7.098
10	<b>6.899</b>	6.722	7.076	<b>6.814</b>	6.598	7.03	<b>6.862</b>	6.726	6.997	<b>7.282</b>	6.956	7.608	<b>6.914</b>	6.788	7.039
11	<b>5.765</b>	5.533	5.996	<b>5.711</b>	5.445	5.976	<b>5.739</b>	5.567	5.912	<b>5.937</b>	5.47	6.404	<b>5.764</b>	5.602	5.925
12	<b>7.249</b>	7.069	7.429	<b>7.271</b>	7.054	7.487	<b>7.251</b>	7.114	7.388	<b>7.4</b>	7.045	7.755	<b>7.27</b>	7.142	7.397
13	<b>7.132</b>	6.951	7.314	<b>7.041</b>	6.826	7.256	<b>7.1</b>	6.963	7.237	<b>7.183</b>	6.813	7.554	<b>7.11</b>	6.982	7.239
14	<b>7.142</b>	6.956	7.327	<b>7.715</b>	7.558	7.872	<b>7.419</b>	7.295	7.542	<b>7.57</b>	7.214	7.926	<b>7.438</b>	7.321	7.554
15	<b>7.554</b>	7.384	7.724	<b>8.115</b>	7.966	8.264	<b>7.818</b>	7.703	7.933	<b>7.769</b>	7.397	8.142	<b>7.812</b>	7.702	7.922
16	<b>7.405</b>	7.238	7.572	<b>6.885</b>	6.639	7.131	<b>7.22</b>	7.081	7.359	<b>6.777</b>	6.385	7.168	<b>7.165</b>	7.034	7.296
17	<b>7.514</b>	7.356	7.672	<b>7.345</b>	7.127	7.563	<b>7.453</b>	7.326	7.579	<b>7.464</b>	7.118	7.809	<b>7.454</b>	7.335	7.573
18	<b>8.165</b>	8.042	8.287	<b>7.64</b>	7.439	7.841	<b>7.987</b>	7.88	8.093	<b>8.165</b>	7.926	8.404	<b>8.009</b>	7.912	8.107
19	<b>7.876</b>	7.742	8.011	<b>7.281</b>	7.069	7.493	<b>7.667</b>	7.552	7.782	<b>7.814</b>	7.539	8.089	<b>7.686</b>	7.58	7.792

  

2 <sup>nd</sup> survey****	n=953			n=318			n=1313			n=135			n=1448		
20	<b>8.035</b>	7.94	8.13	<b>7.594</b>	7.392	7.797	<b>7.918</b>	7.831	8.004	<b>8.267</b>	8.035	8.498	<b>7.95</b>	7.869	8.032

\*Includes patients who responded that they had undergone colectomy +/- ileoanal pouch anastomosis for UC previously

\*\*Includes respondents identifying themselves as diagnosed with UC, Crohn's disease, "another form of IBD"/IBD-U, identifying themselves as having both UC and Crohn's disease, and those identifying themselves as under investigation for IBD

\*\*\*Whilst there were 947 respondents to Survey 1, and 1475 respondents to Survey 2 those who did not identify themselves as a patient, relative, partner, parent, friend or carer were excluded from the presented analysis (Survey 1 n=16, Survey 2 n=27). This included those identifying as healthcare professionals, scientists, and those not identifying themselves as part of any group in the above table

\*\*\*\*Feedback regarding research priority themes 1-19 was the subject of the 1<sup>st</sup> survey from Crohn's and Colitis UK, and research priority 20 was the subject of the 2<sup>nd</sup> survey. Therefore, comparisons of the relative mean theme importance should not be made between themes 1-19 and theme 20 as they represent a potentially different cohort of respondents

## Supplementary Appendix 1: Clinical question development mapped to clinical framework

### 1 Ulcerative colitis

#### 1.1 Diagnostic tests

Thematic question 1. What are the most appropriate investigations for the diagnosis of ulcerative colitis?

1. What are the investigations for suspected UC?
2. What are the gold standard investigations for UC?
3. What are the diagnostic criteria for UC?
4. What is the best imaging for suspected acute severe colitis?
5. What is the best imaging for the acutely unwell IBD patient (may be new or established diagnosis) to assess for abdominal and pelvic complications?
6. What are the new techniques such as PET? What is the role of ultrasound in IBD?
7. What are the side effects of bowel preparation/contrast used in imaging IBD?
8. Should monitoring of cumulative life-time radiation exposure from repeated imaging be advisory, or mandatory?

#### 1.2 Disease classification and severity

Thematic question 2. How should ulcerative colitis be classified?

9. What is the most useful disease classification for UC (e.g. Montreal etc)?
10. Are indices of disease/clinical/endoscopic/radiological/composite severity (e.g. Mayo score for UC) useful in clinical practice?
11. Are there unique features of IBD-PSC with respect to UC and should this be considered as a distinct diagnosis?
12. What is the incidence and prevalence of UC? Is it the same in adults and paediatrics?

#### 1.3 Initial management

**Thematic question 3. How should UC initially be managed?**

13. When should patients with UC commence a 5-ASA? Should they always be first line therapy?
14. Which route of 5-ASA: Oral, topical, both and in which clinical scenarios (severity, anatomical location)?
15. Which dose of 5-ASA (for induction and for maintenance therapy)?
16. Is it appropriate to switch to a cheaper brand of 5-ASA in a remitting patient?
17. Should we recommend that clinicians prescribe the cheapest mesalazine for which there is a good evidence base?
18. What is our recommendation for patients with mild proctitis? Is treatment of flares with no maintenance therapy acceptable?
19. How should we treat a patient with active extensive UC but no symptoms despite max dose 5-ASA? (are thiopurine or biologic therapies justified purely to reduce inflammation and perhaps risk of neoplasia – or not?)
20. Is it safe to stop mesalazine therapy and if so when?
21. Do we need to monitor patients on 5-ASA?
22. How should patients with moderate-to-severe ulcerative colitis be managed?
23. Is there a role for topical corticosteroids (e.g. beclometasone dipropionate or budesonide MMX) in moderate-to-severe ulcerative colitis?
24. In patients requiring oral corticosteroids at presentation, should mesalazine be started at the same time and at what dose?
25. What is the role of diet in induction of remission in UC?
26. What is the role of corticosteroid therapy in the treatment of moderate to severe active UC?
27. What is the role of rectal therapy in UC?

**1.4 Maintenance therapy****Thematic question 4. What is the safest and most effective maintenance treatment strategy in ulcerative colitis**

28. What treatment should be considered for UC patients in remission who are intolerant of mesalazine? How should patients be selected?

29. What pre-assessment is necessary for patients starting immunomodulators?
30. What monitoring is necessary for patients on immunomodulators?
31. How should adverse events of immunomodulator therapy be investigated and managed?
32. What is the evidence for thiopurine monotherapy for the maintenance of corticosteroid-induced remission in UC?
33. What is the evidence for methotrexate monotherapy for the maintenance of corticosteroid-induced remission in UC?
34. How long should immunomodulators be continued once a UC patient is in remission?
35. Should concomitant immunomodulators be used for UC patients on biologics?
36. What criteria should be used to decide on de-escalation of therapy?
37. Should all patients have a trial test period off immunomodulator therapy after a period of maintenance therapy? Then to re-challenge with biologics?
38. Is there a role for oral steroids in maintenance of remission of UC? What about beclomethasone dipropionate/budesonide MMX?
39. Is there a role for rectal steroids in maintenance of remission of UC?
40. How should side effects of steroids be monitored and managed?

## 1.5 Proctitis

Thematic question 5. How should ulcerative proctitis be managed?

41. What is our recommendation for patients with mild proctitis? Is treatment of flares with no maintenance therapy acceptable?
42. What is our recommendation for patients with severe proctitis?
43. What is the role of surgery for severe medically resistant proctitis, and what are the optimal surgical options?

## 1.6 Acute severe ulcerative colitis

Thematic question 6. What is the safest and most effective management strategy for acute severe ulcerative colitis?

44. Is there any role for empirical antibiotic therapy in the initial management of ASUC?
45. How long should iv corticosteroids be continued before using salvage therapy, if there is no response?
46. Is there data to inform choice of iv corticosteroid in terms of efficacy or toxicity?
47. What salvage therapy should be used for patients failing 3-5 days of high-dose iv corticosteroids? Which biologic therapies have a role in ASUC?
48. What assessment tools should be used in the daily assessment of the ASUC patient?
49. How should response to salvage therapy be assessed?
50. Is there a role for accelerated infliximab dosing in the setting of acute severe UC?
51. Should patients failing second line therapy receive any further medical therapy or proceed to colectomy?
52. What should be done in patients who have already proven refractory to or intolerant of thiopurines?
53. What is appropriate maintenance therapy after successful response to steroid? Is this any different in patients with ASUC as their first presentation?
54. How long should biologics be continued after ASUC?
55. What is an appropriate step-down strategy?
56. How often should ASUC patients have abdominal X-rays?
57. What are the indications for cross-sectional imaging of patients with ASUC and how should this be restricted to avoid high cumulative radiation exposure?
58. What should be done about imaging in the pregnant patient with ASUC?
59. Should all patients with ASUC have flexible sigmoidoscopy?
60. Should CMV be excluded in all patients with ASUC and how (e.g. serology, PCR of blood and/or tissue, immunohistochemistry)?
61. When should patients with ASUC meet the surgeon and/or stoma nurse?
62. How should patients with ASUC be prepared for the possibility of surgery?
63. What are the criteria for requiring surgery in ASUC?

64. What is the role of venous thromboprophylaxis in ASUC and what's the most effective therapy?
65. What is the best investigation for CMV in ASUC and when should treatment be considered?

## 1.7 Management of initial treatment failure

Thematic question 7. How should UC be managed following failure of initial therapy?

66. What pre-assessment is necessary for patients starting biologics?
67. What monitoring is necessary for patients on biologics?
68. When should biologics be used for UC in the outpatient setting?
69. Which biologic should be used first (note may need to consider changing title of section to reflect this)?
70. Should infusional biologics be delivered in a secondary setting or can they be delivered in a community setting or in the home?
71. How long should biologic therapy be continued once a UC patient is in remission?
72. What criteria should be used to decide on de-escalation of therapy
73. Is there a role for leucocyte apheresis in UC?
74. Is there a role for faecal microbial transplantation in UC?
75. Should probiotics be used to treat UC?
76. Is there a role for tacrolimus in the management of UC?
77. Which immunomodulators have evidence for use in induction of remission for UC?
78. Is there a role for methotrexate in the management of refractory UC in the biologics era? If so where does it come?
79. Should anti-TNF therapy be combined with immunomodulators (thiopurines and MTX) as opposed to monotherapy with anti-TNF agents? Is this the same for all anti-TNFs?
80. Should immunomodulators be used in combination with anti-integrin therapy (vedolizumab)?
81. When and how should "primary response" to biologics be evaluated?
82. How should primary non-response to biologics be managed?

83. How should secondary non-response to biologics be assessed and managed?
84. What recommendations can be made for switching biologics (within Anti-TNF agents and “out of class” i.e. vedolizumab) for “primary non-responders”?
85. What recommendations can be made for switching biologics (within Anti-TNF agents and “out of class” i.e. vedolizumab) for “secondary non-responders”?

## 1.8 Surgical management

Thematic question 8. What are the indications for surgery in UC?

Thematic question 9. Who should operate on patients with UC?

Thematic question 10. What issues need to be considered in the pre-, peri- and post-operative periods?

86. What are the indications for surgery in UC?
87. In UC patients with dysplasia, what is the role for surveillance as opposed to surgery?
88. Which medical therapies for UC influence surgical risk? How can these risks be managed?
89. How should patient's be optimised for UC surgery? How should nutrition and medications be optimised?
90. How should patient's views, beliefs and attitude to risk be taken into account when making decisions on surgery?
91. Should UC patients always have a subtotal/panproctocolectomy or is there a role for segmental resection?
92. Is there a role for one-stage (or 2-stage where patients have required colectomy and ileostomy) pouch surgery in UC? And Is there a role for a defunctioning ileostomy at the time of pouch formation?
93. Is there a place for proctocolectomy (or completion proctectomy) and permanent ileostomy in the management of UC patients?
94. Is there a place for colectomy and ileo-rectal anastomosis in UC?
95. Who should be operating, and what setting constitutes a sufficient critical mass to manage complications for UC patients in the acute setting?

96. Who should be operating, and what setting constitutes a sufficient critical mass to manage complications for UC patients in the elective setting where reconstruction with ileoanal pouch is being performed? Should pouch reconstruction be restricted to specialist centres performing higher volume pouch surgery? What critical mass of surgical expertise is required for this?
97. Is there any evidence for volume effects on outcome by surgeon and/or by centre? Is there a need for a registry of UC surgery?
98. What is the role of stoma nurses in the management of patients requiring surgery for UC?
99. What is the appropriate post-operative outpatient management of patients with UC? Which patients need surveillance?
100. In patients with a staged colectomy and pouch operation, what is the appropriate timing of the second and third stages?
101. Are there contraindications to specific surgical techniques?
102. What is the effect of surgery on fertility, fecundity, sexual function and continence? Can this be altered by surgical technique e.g. laparoscopy?
103. What issues need to be covered when counselling patients for surgery in UC? How should this counselling be provided? Who should deliver it? Should patients be provided with recordings of this consultation?

## 1.9 Pouches and pouchitis

Thematic question 11. How should pouch dysfunction in UC be investigated and managed?

104. How should the patient with GI symptoms after pouch surgery be investigated?
105. What should be used as the first-line management option for pouchitis?
106. In patients with recurrent or refractory pouchitis, what options are there?
107. When should the pouch be removed and an end ileostomy performed?
108. Other than pouchitis, what other complications of pouch surgery can occur (e.g. incontinence, strictures, failure to evacuate pouch, sexual dysfunction, fertility)? How should these be investigated and managed? (e.g. biofeedback, self-dilatation)
109. Is there a role for using culture and sensitivities of pouch biopsies to guide antibiotic therapy?
110. Should surgeons or gastroenterologists manage pouchitis
111. What should be the frequency of pouch surveillance



## 2 Crohn's disease

### 2.1 Diagnostic tests

Thematic question 12. How should suspected Crohn's disease be investigated?

112. What test or combination of tests should be undertaken to investigate for the presence and activity of small bowel Crohn's disease?
113. What are the investigations for suspected Crohn's disease?
114. What are the gold standard investigations for Crohn's disease?
115. What are the diagnostic criteria for Crohn's disease?
116. What is the best imaging for newly diagnosed Crohn's disease patients to assess possible small bowel involvement (including capsule endoscopy and endoscopy)?
117. Is imaging or endoscopy required for upper GI Crohn's disease in the absence of symptoms?
118. What is the best imaging for the acutely unwell IBD patient (may be new or established diagnosis) to assess for abdominal and pelvic complications?
119. What are the new techniques such as PET? What is the role of ultrasound in IBD?
120. What are the side effects of bowel preparation/contrast used in imaging IBD?

### 2.2 Disease classification and severity

Thematic question 13. How should Crohn's disease be classified?

121. What is the most useful disease classification for Crohn's disease (e.g. Montreal etc)?
122. Are indices of disease/clinical/endoscopic/radiological/composite severity (e.g. CDAI, CDEIS, MARIA, Rutgeerts score, Lemann score) useful in clinical practice?
123. Are there unique features of IBD-PSC with respect to Crohn's disease and should this be considered as a distinct diagnosis?
124. What is the incidence and prevalence of Crohn's disease? Is it the same in adults and paediatrics?

### 2.3 Ileocolonic disease: induction of remission

Thematic question 14. What therapies should be used to induce remission in mild to moderate Crohn's disease?

Thematic question 15. What therapies should be used to induce remission in moderate to severe Crohn's disease?

125. When should oral systemic steroids be used to induce remission in ileo-colonic disease, and when might less systemically absorbed agents (e.g. beclometasone dipropionate/Clipper or budesonide MMX) be considered? What dose should be used and for how long?
126. For the treatment of what severity of disease should anti-TNF $\alpha$  therapy be considered for induction of remission?
127. Can anti-TNF $\alpha$  therapies be used sequentially following primary non-response (e.g. IFX first and ADA second)?
128. Can vedolizumab be used to induce remission in severe Crohn's disease? Should immunomodulator be continued? Should steroids be used?
129. Is there any role for antibiotics as induction therapy in Crohn's disease?
130. Does EEN have a role in inducing remission in Crohn's disease?
131. Can Partial EN be used for induction? Is there evidence for other dietary interventions to induce remission e.g. SCD
132. Does bowel rest have any therapeutic benefit in Crohn's disease?

### 2.4 Ileo-colonic disease: maintenance therapy

Thematic question 16. How should remission be maintained in patients with ileo-colonic Crohn's disease? How should different therapies be selected and positioned?

133. In what circumstances is it reasonable to use no maintenance therapy in Crohn's disease? In what situations is maintenance therapy mandatory?
134. Is there any role for mesalazine or sulfasalazine in the treatment of colonic Crohn's disease? What about small bowel Crohn's disease? Is there any justification for trialling 5-ASA in patients with colonic Crohn's disease when it has an 'UC-like' phenotype? (e.g. confluent superficial inflammation but with e.g. skip lesions or rectal sparing – as opposed to nasty craggy ulcers)
135. Should prebiotics or probiotics be used to treat Crohn's disease? Is there evidence?

136. Can EEN or partial EN be recommended as maintenance therapy in Crohn's disease?
137. When should locally acting oral steroids (e.g. beclometasone dipropionate/Clipper or budesonide MMX) be used?
138. When should patients start an immunomodulator?
139. Which immunomodulators have evidence for use in induction and maintenance of remission?
140. When would thiopurines be preferred, when would methotrexate be preferred? What are the contra-indications to either drug?
141. What disease activity assessment should be performed whilst on maintenance therapy of immunomodulators for Crohn's, and at what intervals?
142. What are the situations where early use of biological therapy (especially anti-TNF $\alpha$ ) for Crohn's disease should be considered?
143. Should patients be on anti-TNF $\alpha$  monotherapy, or on dual immunosuppression with concomitant immunomodulator? Ways of risk stratifying patients and evaluating balance of complications versus benefits.
144. Are there any remission circumstances in which step-down should not be considered? *Previous severe disease, short gut etc*
145. What investigations, if any, should be performed in the patient in clinical remission before stepping down biological therapy?
146. When stepping down from dual anti-TNF $\alpha$ /immunomodulator therapy, which agent should be stopped and when? How long should the patient be in remission before cessation, and what depth of remission?
147. Are there any situations where vedolizumab may be used as the first line biological therapy for maintenance of remission in Crohn's (in patients not fully responsive to or intolerant of the usual immunosuppressants)? *Thinking about recent/on-going malignancy and infection etc.*
148. Should vedolizumab be used as monotherapy in Crohn's disease maintenance? In which patients should immunomodulators be continued as maintenance?
149. What are the criteria for giving an additional (10 week) induction dose of vedolizumab?
150. At which week should an assessment of primary response be made with vedolizumab? And how should this be made – same as for other biologics, any evidence on biomarkers f-calprotectin etc? Is there any place for less common treatments like tacrolimus, ciclosporin, thalidomide, mycophenolate in Crohn's in the biological era?
151. What is the role of rectal steroids in Crohn's disease?

## 2.5 Management of initial treatment failure

Thematic question 17. How should ongoing disease activity despite initial treatment be managed?

152. What should be done in patients who have proven refractory to or intolerant of thiopurines?
153. How should possible primary loss of response to anti-TNF $\alpha$  therapy be managed (definition/timing/assessment)
154. How should possible secondary loss of response to anti-TNF $\alpha$  therapy be managed (definition/timing/assessment) Can anti-TNF $\alpha$  therapies be used sequentially following secondary loss of response to the first therapy?
155. Can a biosimilar be considered after treatment failure (PNR) with the originator drug?
156. Should vedolizumab be considered following failure of anti-TNF $\alpha$  therapy in Crohn's disease? Can it be introduced after failure of one anti-TNF $\alpha$  or should both agents be trialled first? Is the original anti-TNF $\alpha$  relevant to making the decision to switch either to alternate anti-TNF $\alpha$  or VDZ? What interval must be waited after cessation of one biologic, before another biologic may be administered (for any combination of infliximab, adalimumab, vedolizumab)
157. What will be the likely place for ustekinumab in the treatment algorithm in the induction and maintenance of remission in Crohn's disease?
158. Is leucocyte apheresis an effective therapy in ulcerative colitis or Crohn's disease?
159. Is autologous haematopoietic stem cell transplantation a safe and effective treatment for Crohn's disease?
160. Is faecal microbiota transplantation an effective treatment for Crohn's disease?

## 2.6 Proximal ileal and jejunal or extensive small bowel disease

Thematic question 18. How should proximal or extensive small bowel Crohn's disease be defined, investigated and managed?

161. What is the definition of extensive small bowel disease?
162. What is the differential diagnosis for proximal ileal/jejunal disease and how should this be investigated?
163. Does the natural history of jejunal Crohn's differ from other disease locations?
164. Should extensive small bowel disease be managed differently to less extensive disease? How so, and why?

## 2.7 Perianal

Thematic question 19. How should perianal complications of Crohn's disease be investigated and managed?

165. What is the best imaging for diagnosis and monitoring of perianal fistulising disease?
166. What is the role of MRI perineum/pelvis in the assessment of perianal fistulising disease?
167. Who should perform an EUA as first line investigation and treatment of a perianal abscess?
168. What is best practice reporting of EUA in perianal disease?
169. Does faecal stream diversion have a current role in the management of refractory perianal disease? When can reversal be performed? What are success rates of reversal in current era?
170. What is the role of down-staging extensive perianal disease with defunctioning ileostomy and biological therapy?
171. How long should a loose draining seton be left in/what are the indications for removal?
172. Is there a role for the anal fistula plug in management of fistulising disease?
173. When should immunosuppressants be initiated in the context of perianal disease?
174. What surgical options are best for simple perianal fistulae?
175. What surgical options are best for complex perianal fistulae?
176. Thiopurine or anti-TNF and thiopurine for control of perianal fistulising Crohn's?
177. Is one anti-TNF better than another in perianal disease?
178. Does vedolizumab have a role in perianal fistulae management?
179. What is the best model of care for patients with perianal disease – joint clinics? Specialist centre?
180. Do mesenchymal stem cells/allogeneic stem cells have a role in the management of perianal fistulising disease?

## 2.8 Upper GI

181. Oral/OFG: How is orofacial granulomatosis diagnosed and managed? Does it progress to intestinal Crohn's disease?

182. Oesophageal/Gastric/Duodenal: What is the role of PPIs in treatment of UGI Crohn's? Does the natural history of UGI Crohn's differ from other disease locations?

## 2.9 Non-perianal fistulising disease/abscesses

Thematic question 20. How should non-perianal fistulising disease best be investigated?

Thematic question 21. How should non-perianal fistulising disease be managed?

Thematic question 22. Should immunomodulators be stopped in the context of internal fistulisation, and if so when should they be restarted?

183. In a patient with an abscess associated with perforating Crohn's disease, how should we select between antibiotic therapy alone, radiological drainage and immediate/delayed surgery? What evidence supports each?
184. When should immunosuppressants be initiated in the context of abscesses?
185. If medical therapy other than antibiotics appropriate (see above) what is optimal therapy to downstage and avoid or optimise for surgery?
186. What is the best imaging for diagnosis of non-perianal fistula disease (e.g. enterovesical) in IBD?
187. Should imaging be repeated with each endoscopic reassessment?
188. Do anti-TNF agents work for non-perianal fistulae (e.g. enterovaginal?)
189. What is the best model of service delivery for management of non-perianal fistulae? Which surgeons should be involved in management of rectovaginal fistulae

## 2.10 Stricturing disease

Thematic question 23. How should ileocolonic strictures be investigated?

Thematic question 24. How should ileocolonic strictures be managed, in particular what factors should be considered when deciding between endoscopic and surgical management?

Thematic question 25. What type/length of ileocolonic stricture can be treated endoscopically?

190. When should anastomotic strictures be managed endoscopically?

191. What is optimal endoscopic technique for both of above? Size, duration of dilatation, repeat, comment on steroid injection?
192. Does strictureplasty result in improved outcomes where performed? How to select patients for strictureplasty?
193. What dietary advice should be given to patients with strictures?
194. What is preferred imaging technique for strictures (inc US)?
195. What is best practice in reporting of imaging of strictures in Crohn's disease?
196. How can imaging best be used to distinguish inflammatory from fibrostenotic strictures?
197. What are the indications for resection versus strictureplasty in stricturing small bowel disease?
198. What functional outcomes can patients expect after stricture surgery? What is likelihood of requiring further surgery in current era?

## 2.11 Surgical management

Thematic question 26. How can a gastroenterologist best contribute to the care of the Crohn's patient requiring surgery?

199. Should patients with localised ileocaecal disease be selected for early limited resection? How early? How can patients be selected? What are the long-term outcomes including QOL?
200. Does choice of anastomotic technique have any bearing on recurrence rates after ileocaecal/ileal resection?
201. What small bowel imaging should be performed prior to surgery?
202. Does pre-operative optimisation of medical therapy reduce complications/stoma requirement/length of stay?
203. Can pre-operative medical therapy result in downstaging of disease burden and reduce need for surgery in patients with stricturing ileocaecal Crohn's disease?
204. Does using exclusive or partial EN during pre-surgical optimisation in Crohn's disease improve outcome?
205. Should management of limited small bowel resection be different from ileocaecal/ileocolonic resection?
206. Should anti-TNFs be stopped prior to (semi)elective surgery? for perianal disease? for resection?
207. Same question for azathioprine/MP?

208. What is ideal maximum steroid dose to wean to prior to (semi)elective surgery? How should risks of surgery above this be balanced against need to control disease?
209. Does budesonide reduce surgical complications in steroid-dependent patients? Does it increase complications?
210. How can steroid dependent patients be optimised for surgery?

## 2.12 Post-operative disease

Thematic question 27. How should Crohn's be managed in the immediate post-operative phase?

Thematic question 28. How should Crohn's be investigated in the post-operative patient?

Thematic question 29. How should Crohn's be managed in the medium to long term following resection?

211. If maintenance therapy was stopped for surgery, should it be re-started after surgery?
212. If the patient was not on medical therapy prior to surgery (e.g. new diagnosis) what should be started post-operatively, and when should it be introduced?
213. How to risk stratify the post-operative patient in order to select the appropriate medical therapy (i.e. immunomodulator vs biological agent vs dual therapy)
214. Should all patients receive post-operative metronidazole or equivalent? For how long - 3 months? What if it is poorly tolerated? What other medications should be used postoperatively and how should patients be stratified/selected? Is there evidence for 5-ASA in the post-operative Crohn's setting? What follow up assessment for recurrence (endoscopic/radiological/calprotectin) should be performed after surgery? What modality and when? What is the evidence for benefit?
215. What are the appropriate investigations to assess for post-operative recurrence?
216. How to risk stratify in the post-operative setting.
217. How should intestinal failure in the context of Crohn's with multiple resections best be managed? How can this be avoided?
218. How should services for patients with Crohn's disease associated IF best be configured and delivered?
219. How should steroid dependent patients be managed post-operatively?
220. When should bile salt malabsorption be suspected in patients after Crohn's disease surgery? How should it best be diagnosed?



## 2.13 IBDU

Thematic question 30. How should IBDU be diagnosed and managed?

221. How do we diagnose IBDU - what are the clear diagnostic indicators?

## 3 Common disease considerations

### 3.1 Drug management: steroids

Thematic question 31. What monitoring and prophylaxis is needed for IBD patients on corticosteroids?

222. Should screening for chronic viral infection should be done prior to initiating corticosteroids?
223. When should bone densitometry be done in IBD patients on corticosteroids?
224. Should IBD patients on corticosteroids be given calcium and vitamin D? What about bisphosphonates?
225. Do patients on topical oral corticosteroids or rectal corticosteroids need bone protection?

### 3.2 Drug management: thiopurines and methotrexate

Thematic question 32. How should use of a thiopurine or methotrexate be initiated and monitored?

226. Should EBV testing be performed prior to commencement of thiopurine monotherapy? In what age group might it be recommended?
227. Which other tests should be done before starting thiopurines – varicella? EBV?
228. Vaccine strategy in patients on thiopurines? TPMT phenotype or genotype? TPMT in everyone?
229. Should patients with no quantifiable TPMT activity receive thiopurines?
230. What are the most patient relevant SEs of thiopurines to guide counselling? What risks matter most? What risks persist after drug cessation?
231. What safety monitoring should be performed whilst on immunomodulators (bloods etc) and at what intervals? How frequent should standard haematological monitoring occur?

232. What drug complications should result in dose reduction and which should involve cessation/permanent discontinuation? Dose related SEs vs idiosyncratic SEs?
233. What is the best way to manage thiopurine-related transaminitis?
234. Does metabolite testing result in improved outcomes in Crohn's disease/UC management? Should we aim for target levels of TGN?
235. Who/when/how often to test metabolites during azathioprine initiation? Value of repeat testing during ongoing therapy?
236. What dose of allopurinol/azathioprine works best for individuals with sub therapeutic metabolites/toxic metabolites?
237. Should all patients on low-dose thiopurine/allopurinol have TGN monitoring? Can other clinical parameters be more informative/safe alternatives?
238. When using dual therapy (biological + immunomodulator) what level of TGN should be targeted? When should MP be used? Which should be first line, Aza or MP? What is role for MP in Aza failures/intolerance?
239. Is there a role for thioguanine in those with adverse effects on a parent thiopurine? How long to treat for? How/when to withdraw thiopurines

### 3.3 Drug management: anti TNF including biosimilars

Thematic question 33. How should anti-TNF therapy be initiated and monitored in IBD?

240. Which screening tests (CXR, viral screen etc.) should be performed prior to starting anti-TNF $\alpha$  treatments, respectively?
241. What are the contraindications to using anti-TNF $\alpha$  therapy?
242. What monitoring should be performed during induction of biological therapy? And intervals.
243. What monitoring should be performed for patients on maintenance biological therapy? And intervals.
244. Can 'biosimilars' be treated in the same way as the originator anti-TNF $\alpha$  drug?
245. Can patients be switched from originator to biosimilar anti-TNF $\alpha$ ?
246. Can the same therapeutic drug monitoring tests be used for biosimilar anti-TNF $\alpha$  as for the originator molecules?

247. Is there a role for therapeutic drug monitoring (anti-TNF $\alpha$  levels and anti-drug antibodies) to optimise dose after induction therapy?
248. Is there a role for therapeutic drug monitoring (anti-TNF $\alpha$  levels and anti-drug antibodies) for patients with primary non-response to anti-TNF $\alpha$  therapy?
249. Is there a role for therapeutic drug monitoring (anti-TNF $\alpha$  levels and anti-drug antibodies) for patients with secondary loss of response to anti-TNF $\alpha$  therapy?
250. Is there a role for therapeutic drug monitoring (anti-TNF $\alpha$  levels and anti-drug antibodies) for patients on maintenance anti-TNF $\alpha$  therapy and in remission (e.g. annual testing?)
251. Is there a role for therapeutic drug monitoring (anti-TNF $\alpha$  levels and anti-drug antibodies) for offspring exposed to anti-TNF $\alpha$  therapy in-utero?
252. Is there a role for therapeutic drug monitoring (anti-TNF $\alpha$  levels and anti-drug antibodies) for patients on a drug holiday to anti-TNF $\alpha$  therapy who are being considered for reintroduction of therapy?
253. At what point in the drug cycle should anti-TNF $\alpha$  drug monitoring be performed for infliximab, adalimumab and golimumab respectively?
254. Which anti-TNF level and anti-drug antibody test should be used in clinical practice (e.g. ELISA (bound vs. total) vs. RAI vs. HMSA)?

### 3.4 Drug management: vedolizumab

Thematic question 34. What screening is required before and monitoring required after starting vedolizumab?

255. What are the contraindications to using vedolizumab therapy?
256. Which screening tests (CXR, viral screen etc.) should be performed prior to starting vedolizumab treatments?
257. What monitoring should be performed during induction of vedolizumab? And intervals?
258. What monitoring should be performed for patients on maintenance vedolizumab therapy? And intervals.

### 3.5 Adverse event monitoring

Thematic question 35. How should adverse events of immunomodulator and biologic therapy be investigated, reported and managed?

- 259. How should adverse events of immunomodulator and biologic therapy be investigated and managed?
- 260. What reporting infrastructure is available: e.g. NHS records, cancer registries etc?
- 261. What consideration should be given to cumulative radiation dose?

### 3.6 Conception, pregnancy, breastfeeding

Thematic question 36. What advice/support should be available for the patient with IBD contemplating conception?

Thematic question 37. How should IBD be managed through pregnancy?

Thematic question 38. What recommendations can be made regarding the post-natal periods, including breastfeeding and vaccination advice?

- 262. What and when should the infant exposed to anti TNF/vedolizumab be given vaccinations (rotavirus vaccine is live, BCG is live)?
- 263. Perhaps an appendix with a schedule of routine UK neonate/childhood vaccinations, together with advice of which are safe with anti-TNF exposed offspring.
- 264. When should anti TNF/vedolizumab be stopped in pregnancy (if at all)?
- 265. When should anti TNF/vedolizumab be re-started post-partum (if it was stopped)?

### 3.7 Vaccinations and travel, Extra-intestinal manifestations of IBD, anaemia, transfusion and osteoporosis

Will not be covered in extensive detail as well covered in ECCO and other international guidance. The only area not touched on is orofacial granulomatosis covered in upper GI section. Dietary and medical intervention of OFG to be covered in Upper GI section  
Summary of international guidance

### 3.8 NSAIDs

Thematic question 39. What should be done in patients with IBD requiring NSAID therapy?

- 266. Is there a role for COX-2 inhibitors?

### 3.9 Chemoprevention and cancer surveillance

Thematic question 40. How should we reduce the risk of colorectal cancer in patients with IBD? How should we perform surveillance?

267. Is maintenance therapy in IBD chemoprotective against colorectal cancer?
268. Does the choice of agent matter and is there a minimum dose?
269. Do all patients diagnosed with proctitis e.g. on rigid or flexi sig need to have subsequent full colonoscopy – or not?
270. When should patients with IBD first undergo cancer surveillance and how frequently thereafter?
271. Is this different for patients with PSC? Are there other factors that can alter the frequency of surveillance?
272. Do patients with mild distal colitis need any surveillance (or not)?
273. What are the recommendations for surveillance of the pouch?
274. In patients whom it is not possible to endoscopically survey are there other alternative modalities for surveillance e.g. such as CT colonography?
275. Do you need to continue surveillance in those with histologically normal colons?
276. Is there a role for biomarkers in surveillance?
277. What is the optimal way of doing surveillance?
278. What is the management of polypoid dysplasia, non-polypoid dysplasia and invisible dysplasia?
279. Is there a role for random biopsies when doing chromo-endoscopy?

### 3.10 Smoking

Thematic question 41. How should patients with IBD be advised about smoking, smoking cessation and nicotine replacement therapy?

280. What advice should be given to IBD patients regarding smoking cessation? Does this differ between Crohn's disease and UC?
281. Is there a role for nicotine replacement therapy in treatment of IBD?

### 3.11 Complementary and alternative therapy

Thematic question 42. Thematic question: What, if any, is the role of complementary and alternative therapies in IBD?

282. Is there a role for complementary and alternative therapies in IBD?

### 3.12 Adherence

Thematic question 43. Which are the strategies available for non-adherence in IBD and what is the evidence for them?

283. What strategies exist to tackle non-adherence in IBD patients?

284. Is there evidence for strategies to promote adherence?

285. How can adherence/compliance/tolerability of EEN be improved?

### 3.13 Infectious diseases: Differential and concurrent diagnoses

Thematic question 44. What infectious diseases should be considered as a differential or concurrent diagnosis in a patient with IBD and how should they be investigated and managed

286. What are the infectious differentials and concurrent diagnoses for colitis and proctitis (including STIs)?

287. When should patients undergo stool microbial testing and which organisms should be targeted?

288. How should CMV colitis be diagnosed and managed?

289. When should patients be jointly managed with infectious diseases or sexual health specialists?

290. How is the management of IBD influenced by a concurrent diagnosis of CMV/ZVZ/HSV/HIV/TB/viral hepatitis/*C. diff* and how is management of these diseases impacted by a concurrent diagnosis of IBD?

### 3.14 Genetics

Thematic question 45. What is the role for genetic testing in IBD in everyday practice and when should it be done in paediatric IBD?

291. Outside of TPMT is there currently a role in clinical practice for genetic testing in the diagnosis or management of paediatric or adult IBD?

### 3.15 Faecal biomarkers

Thematic question 46. Which faecal biomarkers should be used in the diagnosis and monitoring of IBD and how should they be used?

292. What are the best faecal biomarkers for diagnosis and monitoring of IBD?
293. What age range is it appropriate to use faecal biomarkers as a negative predictive screening test for IBD?
294. When is it not appropriate to use faecal biomarkers as a screening test for IBD diagnosis?
295. Are there numerical thresholds that are clinically useful for calprotectin for diagnosing or investigating IBD?
296. Do patients with IBS symptoms and a raised faecal calprotectin but normal colonoscopy all need to have capsule enteroscopy or vice versa?
297. What do you do when someone has persistently raised calprotectin but nothing to see macroscopically?
298. When should faecal calprotectin testing be undertaken in the management of IBD?

## 4 Service delivery

### 4.1 The IBD service and the multidisciplinary team

Thematic question 47. What is the role of the IBD MDT?

299. What constitutes the IBD MDT i.e. is it a dedicated meeting?
300. What are the key features of an "IBD Unit" and are there/should there be key performance indicators?
301. What professionals should be part of the IBD MDT? Should input from at least one specialist IBD surgeon be mandatory?
302. How often should the IBD MDT meet?
303. What format should IBD MDT meetings take including record of outcome? Does this change during Transition?
304. Are there any therapeutic decisions that must be taken by the MDT? Are there specific therapeutic decisions that should only be made in an MDT?
305. Should every IBD service have an IBD nurse?

- 306. What does an IBD Nurse do and what DON'T they do? What are the core components of each?
- 307. Should all patients starting or changing biologics be discussed in an MDT?
- 308. Should the MDT be factored into job plans/sessions etc.

## 4.2 Self-management

Thematic question 48. What is the role of self-management in patients with IBD and how can patients be supported with this?

- 309. What is self-management and who is suitable? How can patient self-management be safely rolled out? Is there evidence to support this?
- 310. What is the most appropriate source of 'approved' information that various web-based support tools can tap into?
- 311. Is there any evidence for the role of smart phone technology?
- 312. What is the role of home calprotectin testing in IBD follow-up?

## 4.3 Primary care

Thematic question 49. What is the role of the GP in the diagnosis and management of IBD?

- 313. What is the role of the GP in the management of IBD? Specifically, in diagnosis and starting treatment and in on-going maintenance treatment/shared care/information sharing?
- 314. When can a patient be discharged from secondary care?
- 315. What is the role of the GP in prescribing and monitoring/managing IBD medications/treatments?
- 316. Is there a role for community infusion clinics and who is suitable?
- 317. What is the optimal shared care model?

## 4.4 Telephone/virtual clinics

Thematic question 50. How should telephone and virtual clinics fit into the IBD service?



318. How should IBD nurse services delivered by telephone or email be commissioned from the CCG/remunerated to the hospital trust?
319. What is the evidence for the benefit of advice lines? What is the evidence for the benefit virtual clinics? What is the evidence for the benefit of telephone clinics?
320. Remote monitoring methods used and evidence of benefit

#### 4.5 Adolescent services

Thematic question 51. How should care for adolescents with IBD best be delivered?

321. Who should look after adolescents with IBD?
322. What are the minimum skills needed to adequately look after adolescents with IBD?
323. When should adolescents with IBD be transitioned?
324. What defines successful transition?
325. Is there a specific gold-standard model of transition?
326. Who should form part of the transition team?
327. What additional considerations should drive choice of drug treatment in adolescents?
328. Who/how should psychological support services to adolescents be delivered?
329. How should surgical care of adolescent patients best be delivered?
330. How best might specialist colorectal surgeons interact with paediatric surgeons?
331. What impact do growth and pubertal status have on transition in adolescent patients?

#### 4.6 Pain and fatigue

Thematic question 52. In patients with IBD, what are the causes of pain and fatigue and how can these problems be managed?

332. What are the causes of pain in patients with IBD?

- 333. How should patients with IBD and pain be investigated?
- 334. How should patients with IBD and pain be managed? Which drugs should be used? What other strategies have been shown successful?
- 335. Does the long-term use of opiates have a role for pain relief in people with IBD?
- 336. What is fatigue?
- 337. What investigations should be undertaken for IBD patients in clinical remission who complain of fatigue?
- 338. What treatment should be considered for IBD patients complaining of fatigue where no correctable abnormalities have been found?
- 339. How should patient expectations about fatigue be managed?

#### 4.7 Psychology and stress

Thematic question 53. How do IBD and patients' psychological status interact and how can this be managed?

- 340. What is the psychological/psychosexual impact of IBD?
- 341. What psychological/psychosexual therapies have evidence for effectiveness in the management of IBD patients?
- 342. Is there a role for mindfulness in the management of patients with IBD?
- 343. Is there a role for CBT-based therapies in the management of patients with IBD?
- 344. What lessons can we learn from the psychological management of patients with other chronic diseases?
- 345. Does stress lead to an increase in IBD flares? Can this be addressed/managed?
- 346. What information should be provided to patients about the psychological/psychosexual impact of IBD? e.g. living with a stoma, fistula, sexual dysfunction, fear of incontinence etc.
- 347. For group-based psychological therapies, can these be delivered in mixed-disease groups?

#### 4.8 Diet and IBD

Thematic question 54. What dietary advice should we give to patients with IBD?

348. Can diet be used to manage functional bowel symptoms in IBD?
349. What are the minimal nutritional status measurements that should be routinely measured in IBD and how should they be interpreted?
350. What dietary advice should patients with IBD receive? Are there differences for UC and Crohn's disease?
351. Is there a role for dietary restriction in IBD?
352. Does vitamin D supplementation have a role in management of IBD? Do other food supplements have a role?
353. Does calcium supplementation have a role in patients receiving steroids?
354. What are the indications for Crohn's disease patients to receive PN?
355. Does PN or enteral nutrition have a role in optimising patients for surgery? Evidence to guide timing/thresholds for nutritional status prior to surgery?
356. What is the best feed to use as EEN?
357. How long should EEN be given for?
358. What is the optimal plan/protocol for re-introduction of food?
359. How should EEN be administered?
360. Who is most likely to benefit from EEN?

#### 4.9 Histology

Not necessary as well covered in BSG 2013 guidance

## Supplementary Appendix 2: Systematic review database search strategy

### A.1: Source: MEDLINE (original search)

Interface/URL: Embase.com

Database coverage dates: 1940s to present.

Search date: 08/03/17

Retrieved records: 60748

Search strategy:

No. Query Results

#23 'inflammatory bowel diseases'/exp/mj OR 'inflammatory bowel disease\*':ti,ab OR ibd:ti,ab OR ibdu:ti,ab OR 'ibd u':ti,ab OR Crohn\*:ti,ab OR 'regional enteritis':ti,ab OR 'granulomatous enteritis':ti,ab OR 'granulomatous Colitis':ti,ab OR 'ileoColitis':ti,ab OR 'terminal ileitis':ti,ab OR 'regional ileitis':ti,ab OR 'ulcerative Colitis':ti,ab OR 'indeterminate Colitis':ti,ab OR asuc:ti,ab OR 'idiopathic proctoColitis':ti,ab OR 'Colitis gravis':ti,ab OR proctitis:ti,ab OR 'proctitis'/de OR pouchitis:ti,ab OR 'pouchitis'/de OR 'proctocolectomy, restorative'/de OR 'colonic pouches'/de OR 'restorative coloproctectom\*':ti,ab OR 'colonic pouch\*':ti,ab OR 'ileo-anal pouch\*':ti,ab OR 'ileal-anal pullthrough\*':ti,ab OR ('ileal pouch' NEAR/2 anastomos\*):ti,ab OR ('ileal anal' NEAR/2 anastomos\*):ti,ab OR ('ileo anal' NEAR/2 anastomos\*):ti,ab OR ipaa:ti,ab OR 'restorative proctocolectomy':ti,ab OR 'extensive small bowel disease':ti,ab OR 'granulomatosis, orofacial'/de OR 'orofacial granulomatous\*':ti,ab OR 'granulomatous cheilitis':ti,ab OR 'cheilitis granulomatosa':ti,ab OR 'cheilitis granulomatosis':ti,ab OR 'oral granulomatosis':ti,ab NOT ('animals'/exp NOT 'humans'/de OR 'case reports' OR news:pt OR comment:pt OR editorial:pt OR letter:pt OR 'case reports':pt OR 'case report':ti OR 'infectious bursal disease\*':ti,ab OR 'isolation by distance':ti,ab OR 'inherited bleeding disorder\*':ti,ab OR 'identity-by-descent':ti,ab) AND (english)/lim AND (medline)/lim 60748

#22 'inflammatory bowel diseases'/exp/mj OR 'inflammatory bowel disease\*':ti,ab OR ibd:ti,ab OR ibdu:ti,ab OR 'ibd u':ti,ab OR Crohn\*:ti,ab OR 'regional enteritis':ti,ab OR 'granulomatous enteritis':ti,ab OR 'granulomatous Colitis':ti,ab OR 'ileoColitis':ti,ab OR 'terminal ileitis':ti,ab OR 'regional ileitis':ti,ab OR 'ulcerative Colitis':ti,ab OR 'indeterminate Colitis':ti,ab OR asuc:ti,ab OR 'idiopathic proctoColitis':ti,ab OR 'Colitis gravis':ti,ab OR proctitis:ti,ab OR 'proctitis'/de OR pouchitis:ti,ab OR 'pouchitis'/de OR 'proctocolectomy, restorative'/de OR 'colonic pouches'/de OR 'restorative coloproctectom\*':ti,ab OR 'colonic pouch\*':ti,ab OR 'ileo-anal pouch\*':ti,ab OR 'ileal-anal pullthrough\*':ti,ab OR ('ileal pouch' NEAR/2 anastomos\*):ti,ab OR ('ileal anal' NEAR/2 anastomos\*):ti,ab OR ('ileo anal' NEAR/2 anastomos\*):ti,ab OR ipaa:ti,ab OR 'restorative proctocolectomy':ti,ab OR 'extensive small bowel disease':ti,ab OR 'granulomatosis, orofacial'/de OR 'orofacial granulomatous\*':ti,ab OR 'granulomatous cheilitis':ti,ab OR 'cheilitis granulomatosa':ti,ab OR 'cheilitis granulomatosis':ti,ab OR 'oral granulomatosis':ti,ab NOT ('animals'/exp NOT 'humans'/de OR 'case reports' OR news:pt OR comment:pt OR editorial:pt OR letter:pt OR 'case reports':pt OR 'case report':ti OR 'infectious bursal disease\*':ti,ab OR 'isolation by distance':ti,ab OR 'inherited bleeding disorder\*':ti,ab OR 'identity-by-descent':ti,ab) AND (english)/lim 106709

#21 'inflammatory bowel diseases'/exp/mj OR 'inflammatory bowel disease\*':ti,ab OR ibd:ti,ab OR ibdu:ti,ab OR 'ibd u':ti,ab OR Crohn\*:ti,ab OR 'regional enteritis':ti,ab OR 'granulomatous enteritis':ti,ab OR 'granulomatous Colitis':ti,ab OR 'ileoColitis':ti,ab OR 'terminal ileitis':ti,ab OR 'regional ileitis':ti,ab OR 'ulcerative Colitis':ti,ab OR 'indeterminate Colitis':ti,ab OR asuc:ti,ab OR 'idiopathic proctoColitis':ti,ab OR 'Colitis gravis':ti,ab OR proctitis:ti,ab OR 'proctitis'/de OR pouchitis:ti,ab OR 'pouchitis'/de OR 'proctocolectomy, restorative'/de OR 'colonic pouches'/de OR 'restorative coloproctectom\*':ti,ab OR 'colonic pouch\*':ti,ab OR 'ileo-anal pouch\*':ti,ab OR 'ileal-anal pullthrough\*':ti,ab OR ('ileal pouch' NEAR/2 anastomos\*):ti,ab OR ('ileal anal' NEAR/2 anastomos\*):ti,ab OR ('ileo anal' NEAR/2 anastomos\*):ti,ab OR ipaa:ti,ab OR 'restorative proctocolectomy':ti,ab OR 'extensive small bowel disease':ti,ab OR 'granulomatosis, orofacial'/de OR

'orofacial granulomatous\*':ti,ab OR 'granulomatous cheilitis':ti,ab OR 'cheilitis granulomatosa':ti,ab OR 'cheilitis granulomatosis':ti,ab OR 'oral granulomatosis':ti,ab NOT ('animals'/exp NOT 'humans'/de OR 'case reports' OR news:pt OR comment:pt OR editorial:pt OR letter:pt OR 'case reports':pt OR 'case report':ti OR 'infectious bursal disease\*':ti,ab OR 'isolation by distance':ti,ab OR 'inherited bleeding disorder\*':ti,ab OR 'identity-by-descent':ti,ab) 125892

#20 'animals'/exp NOT 'humans'/de OR 'case reports' OR news:pt OR comment:pt OR editorial:pt OR letter:pt OR 'case reports':pt OR 'case report':ti OR 'infectious bursal disease\*':ti,ab OR 'isolation by distance':ti,ab OR 'inherited bleeding disorder\*':ti,ab OR 'identity-by-descent':ti,ab 5300061

#19 'identity-by-descent':ti,ab 723

#18 'inherited bleeding disorder\*':ti,ab 1236

#17 'isolation by distance':ti,ab 1598

#16 'infectious bursal disease\*':ti,ab 1553

#15 news:pt OR comment:pt OR editorial:pt OR letter:pt OR 'case reports':pt OR 'case report':ti 244183

#14 'case reports' 123229

#13 'animals'/exp NOT 'humans'/de 4943889

#12 'inflammatory bowel diseases'/exp/mj OR 'inflammatory bowel disease\*':ti,ab OR 'ibd':ti,ab OR 'ibdu':ti,ab OR 'ibd u':ti,ab OR 'Crohn\*':ti,ab OR 'regional enteritis':ti,ab OR 'granulomatous enteritis':ti,ab OR 'granulomatous Colitis':ti,ab OR 'ileoColitis':ti,ab OR 'terminal ileitis':ti,ab OR 'regional ileitis':ti,ab OR 'ulcerative Colitis':ti,ab OR 'indeterminate Colitis':ti,ab OR 'asuc':ti,ab OR 'idiopathic proctoColitis':ti,ab OR 'Colitis gravis':ti,ab OR 'proctitis':ti,ab OR 'proctitis'/de OR 'pouchitis':ti,ab OR 'pouchitis'/de OR 'proctocolectomy, restorative'/de OR 'colonic pouches'/de OR 'restorative coloproctectom\*':ti,ab OR 'colonic pouch\*':ti,ab OR 'ileo-anal pouch\*':ti,ab OR 'ileal-anal pullthrough\*':ti,ab OR ('ileal pouch' NEAR/2 anastomos\*):ti,ab OR ('ileal anal' NEAR/2 anastomos\*):ti,ab OR ('ileo anal' NEAR/2 anastomos\*):ti,ab OR 'ipaa':ti,ab OR 'restorative proctocolectomy':ti,ab OR 'extensive small bowel disease':ti,ab OR 'granulomatosis, orofacial'/de OR 'orofacial granulomatous\*':ti,ab OR 'granulomatous cheilitis':ti,ab OR 'cheilitis granulomatosa':ti,ab OR 'cheilitis granulomatosis':ti,ab OR 'oral granulomatosis':ti,ab 139199

#11 'orofacial granulomatous\*':ti,ab OR 'granulomatous cheilitis':ti,ab OR 'cheilitis granulomatosa':ti,ab OR 'cheilitis granulomatosis':ti,ab OR 'oral granulomatosis':ti,ab 313

#10 'granulomatosis, orofacial'/de 396

#9 'extensive small bowel disease':ti,ab 17

#8 'restorative coloproctectom\*':ti,ab OR 'colonic pouch\*':ti,ab OR 'ileo-anal pouch\*':ti,ab OR 'ileal-anal pullthrough\*':ti,ab OR ('ileal pouch' NEAR/2 anastomos\*):ti,ab OR ('ileal anal' NEAR/2 anastomos\*):ti,ab OR ('ileo anal' NEAR/2 anastomos\*):ti,ab OR 'ipaa':ti,ab OR 'restorative proctocolectomy':ti,ab 3976

#7 'proctocolectomy, restorative'/de OR 'colonic pouches'/de 5205

#6 'pouchitis':ti,ab OR 'pouchitis'/de 5242

#5 'proctitis':ti,ab OR 'proctitis'/de 6099

#4 'ulcerative Colitis':ti,ab OR 'indeterminate Colitis':ti,ab OR 'asuc':ti,ab OR 'idiopathic proctoColitis':ti,ab OR 'Colitis gravis':ti,ab 48244

#3 'Crohn\*':ti,ab OR 'regional enteritis':ti,ab OR 'granulomatous enteritis':ti,ab OR 'granulomatous Colitis':ti,ab OR 'ileoColitis':ti,ab OR 'terminal ileitis':ti,ab OR 'regional ileitis':ti,ab 63295

#2 'inflammatory bowel disease\*':ti,ab OR 'ibd':ti,ab OR 'ibdu':ti,ab OR 'ibd u':ti,ab 62652

#1 'inflammatory bowel diseases'/exp/mj 73383

**A.2: Source: Embase (original search)**Interface/URL: [embase.com](http://embase.com) (Elsevier)

Database coverage dates: 1947 to current. Updated daily.

Search date: 07/03/17

Retrieved records: 19406

Search strategy:

Lines #120 (non conference abstracts, unlimited by date) and #117 (conference abstracts from the last 5 years) were downloaded: total 19406 records

#120 'inflammatory bowel disease'/de OR ' Crohn disease'/exp OR 'ulcerative Colitis'/de OR 'inflammatory bowel disease\*':ti,ab OR ibd:ti,ab OR ibdu.ti,ab OR 'ibd u':ti,ab OR Crohn\*:ti,ab OR 'regional enteritis':ti,ab OR 'granulomatous enteritis':ti,ab OR 'granulomatous Colitis':ti,ab OR ileoColitis:ti,ab OR 'terminal ileitis':ti,ab OR 'regional ileitis':ti,ab OR 'ulcerative Colitis':ti,ab OR 'indeterminate Colitis':ti,ab OR asuc:ti,ab OR 'idiopathic proctoColitis':ti,ab OR 'Colitis gravis':ti,ab OR proctitis:ti,ab OR 'proctitis'/exp OR 'pouchitis'/de OR 'ileitis'/de OR pouchitis:ti,ab OR 'orofacial granulomatosis'/de OR 'orofacial granulomatos\*':ti,ab OR 'granulomatous cheilitis':ti,ab OR 'cheilitis granulomatos\*':ti,ab OR 'oral granulomatosis':ti,ab AND ('steroid'/exp OR steroid\*:ti,ab,rn,tn OR corticosteroid\*:ti,ab,rn,tn OR glucocorticoid\*:ti,ab,rn,tn OR prednisolone\*:ti,ab,rn,tn OR prednisone\*:ti,ab,rn,tn OR methylprednisolone\*:ti,ab,rn,tn OR hydrocortisone\*:ti,ab,rn,tn OR cortisone\*:ti,ab,rn,tn OR dexamethasone\*:ti,ab,rn,tn OR beclomethasone\*:ti,ab,rn,tn OR betametasone\*:ti,ab,rn,tn OR budesonide\*:ti,ab,rn,tn OR clipper\*:ti,ab,rn,tn OR 'mercaptapurine'/de OR 'azathioprine derivative'/de OR 'azathioprine'/de OR 'tioguanine'/de OR thiopurine\*:ti,ab,rn,tn OR azathioprine\*:ti,ab,rn,tn OR mercaptopurine\*:ti,ab,rn,tn OR thioguanine\*:ti,ab,rn,tn OR 'salazosulapyridine'/de OR 'mesalazine'/de OR 'balsalazide'/de OR 'olsalazine'/de OR '5 asa\*':ti,ab,rn,tn OR Sasa\*:ti,ab,rn,tn OR 'aminosalicylic acid\*':ti,ab,rn,tn OR aminosalicylate\*:ti,ab,rn,tn OR sulfasalazine\*:ti,ab,rn,tn OR sulphasalazine\*:ti,ab,rn,tn OR mesalazine\*:ti,ab,rn,tn OR mesalamine\*:ti,ab,rn,tn OR balsalazide\*:ti,ab,rn,tn OR olsalazine\*:ti,ab,rn,tn OR 'probiotic agent'/de OR 'prebiotic agent'/de OR 'mutaflor'/de OR 'synbiotic agent'/de OR 'vsl3'/de OR prebiotic\*:ti,ab,rn,tn OR probiotic\*:ti,ab,rn,tn OR 'nissle 1917':ti,ab,rn,tn OR 'vsl 3':ti,ab,rn,tn OR 'anti tnf\*':ti,ab,rn,tn OR antitnf\*:ti,ab,rn,tn OR 'antitumor\*r necrosis factor\*':ti,ab,rn,tn OR 'tumo\*r necrosis factor\*':ti,ab,rn,tn OR infliximab\*:ti,ab,rn,tn OR certolizumab\*:ti,ab,rn,tn OR adalimumab\*:ti,ab,rn,tn OR golimumab\*:ti,ab,rn,tn OR 'tumor necrosis factor inhibitor'/de OR 'infliximab'/de OR 'certolizumab pegol'/de OR 'adalimumab'/de OR 'golimumab'/de OR 'cyclosporin'/de OR 'cyclosporin a'/de OR ciclosporin\*:ti,ab,rn,tn OR cyclosporin\*:ti,ab,rn,tn OR 'salvage therapy'/de OR 'salvage therapy':ti,ab OR 'vedolizumab'/de OR vedolizu\*:ti,ab,rn,tn OR 'anti integrin\*':ti,ab,rn,tn OR antiintegrin\*:ti,ab,rn,tn OR alpha4beta7:ti,ab,rn,tn OR 'maintenance therapy'/de OR 'drug maintenance':ti,ab OR 'maintenance therap\*':ti,ab OR 'maintenance treatment\*':ti,ab OR een:ti,ab OR 'exclusive enteral nutrition':ti,ab OR fodmap:ti,ab OR lofflex:ti,ab OR ((elemental OR 'semi elemental' OR polymeric) NEAR/3 (diet\* OR nutrition)):ti,ab OR 'enteric feeding'/de OR 'elemental diet'/de OR 'diet therapy'/de OR antimicrob\*:ti,ab,rn,tn OR 'anti microb\*':ti,ab,rn,tn OR rifaximin\*:ti,ab,rn,tn OR tetracycline\*:ti,ab,rn,tn OR clarithromycin\*:ti,ab,rn,tn OR amoxicillin\*:ti,ab,rn,tn OR 'clavulanic acid\*':ti,ab,rn,tn OR doxycycline\*:ti,ab,rn,tn OR antibiotic\*:ti,ab,rn,tn OR antimicrobial\*:ti,ab,rn,tn OR metronidazole\*:ti,ab,rn,tn OR ciprofloxacin\*:ti,ab,rn,tn OR imidazole\*:ti,ab,rn,tn OR augmentin\*:ti,ab,rn,tn OR 'co amoxiclav\*':ti,ab,rn,tn OR coamoxiclav\*:ti,ab,rn,tn OR 'anti tuberculous':ti,ab,rn,tn OR 'anti map':ti,ab,rn,tn OR 'anti mycobacterium':ti,ab,rn,tn OR 'antibiotic agent'/exp OR 'tuberculostatic agent'/exp OR 'alicaforsten'/de OR alicaforsten:ti,ab,rn,tn OR isis2302:ti,ab,rn,tn OR 'isis 2302':ti,ab,rn,tn OR (icam\* NEAR/3 (antisense OR 'anti sense')):ti,ab,rn,tn OR 'ast 120'/de OR kremezin\*:ti,ab,rn,tn OR ast120:ti,ab,rn,tn OR 'ast 120':ti,ab,rn,tn OR 'methotrexate derivative'/de OR 'methotrexate'/de OR amethopterin\*:ti,ab,rn,tn OR methotrexate\*:ti,ab,rn,tn OR 'tacrolimus'/de OR tacrolimus\*:ti,ab,rn,tn OR 'fk 506':ti,ab,rn,tn OR fk506:ti,ab,rn,tn OR fujimycin\*:ti,ab,rn,tn OR 'nonsteroid antiinflammatory agent'/exp OR 'nonsteroid\* antiinflammatory':ti,ab,rn,tn OR 'non-steroid\* anti-inflammatory':ti,ab,rn,tn OR

nsaid\*:ti,ab,rn,tn OR ibuprofen\*:ti,ab,rn,tn OR diclofenac\*:ti,ab,rn,tn OR naproxen\*:ti,ab,rn,tn OR aspirin\*:ti,ab,rn,tn OR 'cyclooxygenase 2 inhibitor'/exp OR ((cox2 OR 'cox 2' OR cyclooxygenase) NEAR/3 inhibitor\*):ti,ab,rn,tn OR etoricoxib:ti,ab,rn,tn OR celecoxib:ti,ab,rn,tn OR 'fecal microbiota transplantation'/de OR ((fecal OR faecal OR stool) NEAR/3 transplant\*):ti,ab OR 'ustekinumab'/de OR cnto1275:ti,ab,rn,tn OR 'cnto 1275':ti,ab,rn,tn OR ustekinumab:ti,ab,rn,tn OR 'autologous hematopoietic stem cell transplantation'/de OR 'stem cell transplant\*':ti,ab OR 'hemopoetic stem cell\*':ti,ab OR 'haemopoetic stem cell\*':ti,ab OR 'apheresis'/de OR 'leukocyte apheresis':ti,ab OR 'thalidomide'/de OR 'thalidomide derivative'/de OR thalidomide\*:ti,ab,rn,tn OR immunoprin\*:ti,ab,rn,tn OR 'mesenchymal stem cell'/de OR 'mesencymal stem cell\*':ti,ab OR 'allopurinol'/de OR 'allopurinol plus benzbromarone'/de OR 'allopurinol riboside'/de OR allopurinol\*:ti,ab,rn,tn OR 'psychotherapy'/exp OR 'psychological therap\*':ti,ab OR 'psychological treatment\*':ti,ab OR psychotherap\*:ti,ab OR hypnotherap\*:ti,ab OR hypnosis:ti,ab OR hypnoses:ti,ab OR 'cognitive behavioral therap\*':ti,ab OR 'cognitive behavioural therap\*':ti,ab OR cbt:ti,ab OR 'talking therap\*':ti,ab OR mindfulness\*:ti,ab OR 'alternative medicine'/de OR 'aromatherapy'/de OR 'acupuncture'/exp OR 'chinese medicine'/de OR 'herbal medicine'/de OR 'reflexology'/de OR 'homeopathy'/de OR 'osteopathic medicine'/de OR 'chiropractic'/de OR acupuncture\*:ti,ab OR 'herbal therap\*':ti,ab OR herbalism:ti,ab OR 'herbal medicine':ti,ab OR phytotherap\*:ti,ab OR reflexolog\*:ti,ab OR aromatherap\*:ti,ab OR homeopath\*:ti,ab OR osteopath\*:ti,ab OR chiropract\*:ti,ab OR 'chinese medicine\*':ti,ab OR ((complementary OR alternative) NEAR/3 (medicine\* OR therap\* OR treatment\*)):ti,ab OR 'curcumin'/de OR 'turmeric'/de OR curcumin:ti,ab OR turmeric:ti,ab OR 'cannabinoid'/de OR 'cannabinoid derivative'/de OR cannabinoid\*:ti,ab OR medipen\*:ti,ab OR 'aloe vera'/de OR ('cattle'/de OR 'bovine'/de AND 'colostrum'/de) OR 'boswellia serrata'/de OR 'elm'/de OR 'plant medicinal product'/de OR aloe:ti,ab OR wheatgrass\*:ti,ab OR 'wheat grass\*':ti,ab OR 'bovine colostrum':ti,ab OR 'boswellia serrata':ti,ab OR 'slippery elm':ti,ab OR kefir:ti,ab OR kefir:ti,ab OR kefir:ti,ab OR marshmallow:ti,ab OR 'agents used in inflammatory bowel disease'/exp) NOT ('animal'/de OR 'animal tissue'/de OR 'animal cell'/de OR 'animal model'/de OR 'animal experiment'/de OR 'nonhuman'/de NOT 'human'/exp) NOT ('editorial':it OR 'letter':it OR 'note':it) AND ('conference paper'/exp OR 'conference abstract':it OR 'conference proceeding':it OR 'conference review':it) AND (english)/lim AND (2012-2017)/py 1155

#119 'inflammatory bowel disease'/de OR 'Crohn disease'/exp OR 'ulcerative Colitis'/de OR 'inflammatory bowel disease\*':ti,ab OR ibd:ti,ab OR ibdu:ti,ab OR 'ibd u':ti,ab OR Crohn\*:ti,ab OR 'regional enteritis':ti,ab OR 'granulomatous enteritis':ti,ab OR 'granulomatous Colitis':ti,ab OR ileoColitis:ti,ab OR 'terminal ileitis':ti,ab OR 'regional ileitis':ti,ab OR 'ulcerative Colitis':ti,ab OR 'indeterminate Colitis':ti,ab OR asuc:ti,ab OR 'idiopathic proctoColitis':ti,ab OR 'Colitis gravis':ti,ab OR proctitis:ti,ab OR 'proctitis'/exp OR 'pouchitis'/de OR 'ileitis'/de OR pouchitis:ti,ab OR 'orofacial granulomatous is'/de OR 'orofacial granulomatos\*':ti,ab OR 'granulomatous cheilitis':ti,ab OR 'cheilitis granulomatosa':ti,ab OR 'cheilitis granulomatosis':ti,ab OR 'oral granulomatosis':ti,ab AND ('steroid'/exp OR steroid\*:ti,ab,rn,tn OR corticosteroid\*:ti,ab,rn,tn OR glucocorticoid\*:ti,ab,rn,tn OR prednisolone\*:ti,ab,rn,tn OR prednisone\*:ti,ab,rn,tn OR methylprednisolone\*:ti,ab,rn,tn OR hydrocortisone\*:ti,ab,rn,tn OR cortisone\*:ti,ab,rn,tn OR dexamethasone\*:ti,ab,rn,tn OR beclomethasone\*:ti,ab,rn,tn OR betametasone\*:ti,ab,rn,tn OR budesonide\*:ti,ab,rn,tn OR clipper\*:ti,ab,rn,tn OR 'mercaptapurine'/de OR 'azathioprine derivative'/de OR 'azathioprine'/de OR 'tioguanine'/de OR thiopurine\*:ti,ab,rn,tn OR azathioprine\*:ti,ab,rn,tn OR mercaptopurine\*:ti,ab,rn,tn OR thioguanine\*:ti,ab,rn,tn OR 'salazosulfapyridine'/de OR 'mesalazine'/de OR 'balsalazide'/de OR 'olsalazine'/de OR '5 asa\*':ti,ab,rn,tn OR 5asa\*:ti,ab,rn,tn OR 'aminosalicylic acid\*':ti,ab,rn,tn OR aminosalicylate\*:ti,ab,rn,tn OR sulfasalazine\*:ti,ab,rn,tn OR sulphasalazine\*:ti,ab,rn,tn OR mesalazine\*:ti,ab,rn,tn OR mesalamine\*:ti,ab,rn,tn OR balsalazide\*:ti,ab,rn,tn OR olsalazine\*:ti,ab,rn,tn OR 'probiotic agent'/de OR 'prebiotic agent'/de OR 'mutaflor'/de OR 'synbiotic agent'/de OR 'vsl3'/de OR prebiotic\*:ti,ab,rn,tn OR probiotic\*:ti,ab,rn,tn OR 'nissle 1917':ti,ab,rn,tn OR 'vsl 3':ti,ab,rn,tn OR 'anti tnf\*':ti,ab,rn,tn OR antitnf\*:ti,ab,rn,tn OR 'antitumor\*r necrosis factor\*':ti,ab,rn,tn OR 'tumo\*r necrosis factor\*':ti,ab,rn,tn OR infliximab\*:ti,ab,rn,tn OR certolizumab\*:ti,ab,rn,tn OR adalimumab\*:ti,ab,rn,tn OR golimumab\*:ti,ab,rn,tn OR 'tumor necrosis factor inhibitor'/de OR 'infliximab'/de OR 'certolizumab pegol'/de OR 'adalimumab'/de OR 'golimumab'/de OR 'cyclosporin'/de OR 'cyclosporin a'/de OR ciclosporin\*:ti,ab,rn,tn OR cyclosporin\*:ti,ab,rn,tn OR 'salvage therapy'/de OR 'salvage therapy':ti,ab OR 'vedolizumab'/de OR vedolizu\*:ti,ab,rn,tn OR 'anti integrin\*':ti,ab,rn,tn OR antiintegrin\*:ti,ab,rn,tn OR alpha4beta7:ti,ab,rn,tn OR 'maintenance therapy'/de OR 'drug maintenance':ti,ab OR 'maintenance therap\*':ti,ab OR 'maintenance treatment\*':ti,ab OR een:ti,ab OR 'exclusive enteral nutrition':ti,ab OR fodmap:ti,ab OR

lofflex:ti,ab OR ((elemental OR 'semi elemental' OR polymeric) NEAR/3 (diet\* OR nutrition)):ti,ab OR 'enteric feeding'/de OR 'elemental diet'/de OR 'diet therapy'/de OR antimicrob\*:ti,ab,rn,tn OR 'anti microb\*':ti,ab,rn,tn OR rifaximin\*:ti,ab,rn,tn OR tetracycline\*:ti,ab,rn,tn OR clarithromycin\*:ti,ab,rn,tn OR amoxicillin\*:ti,ab,rn,tn OR 'clavulanic acid\*':ti,ab,rn,tn OR doxycycline\*:ti,ab,rn,tn OR antibiotic\*:ti,ab,rn,tn OR antimicrobial\*:ti,ab,rn,tn OR metronidazole\*:ti,ab,rn,tn OR ciprofloxacin\*:ti,ab,rn,tn OR imidazole\*:ti,ab,rn,tn OR augmentin\*:ti,ab,rn,tn OR 'co amoxiclav\*':ti,ab,rn,tn OR coamoxiclav\*:ti,ab,rn,tn OR 'anti tuberculous\*':ti,ab,rn,tn OR 'anti map\*':ti,ab,rn,tn OR 'anti mycobacterium\*':ti,ab,rn,tn OR 'antibiotic agent'/exp OR 'tuberculostatic agent'/exp OR 'alicaforsen'/de OR alicaforsen:ti,ab,rn,tn OR isis2302:ti,ab,rn,tn OR 'isis 2302':ti,ab,rn,tn OR (icam\* NEAR/3 (antisense OR 'anti sense')):ti,ab,rn,tn OR 'ast 120'/de OR kremezin\*:ti,ab,rn,tn OR ast120:ti,ab,rn,tn OR 'ast 120':ti,ab,rn,tn OR 'methotrexate derivative'/de OR 'methotrexate'/de OR amethopterin\*:ti,ab,rn,tn OR methotrexate\*:ti,ab,rn,tn OR 'tacrolimus'/de OR tacrolimus\*:ti,ab,rn,tn OR 'fk 506':ti,ab,rn,tn OR fk506:ti,ab,rn,tn OR fujimycin\*:ti,ab,rn,tn OR 'nonsteroid antiinflammatory agent'/exp OR 'nonsteroid\* antiinflammatory':ti,ab,rn,tn OR 'non-steroid\* anti-inflammatory':ti,ab,rn,tn OR nsaid\*:ti,ab,rn,tn OR ibuprofen\*:ti,ab,rn,tn OR diclofenac\*:ti,ab,rn,tn OR naproxen\*:ti,ab,rn,tn OR aspirin\*:ti,ab,rn,tn OR 'cyclooxygenase 2 inhibitor'/exp OR ((cox2 OR 'cox 2' OR cyclooxygenase) NEAR/3 inhibitor\*):ti,ab,rn,tn OR etoricoxib:ti,ab,rn,tn OR celecoxib:ti,ab,rn,tn OR 'fecal microbiota transplantation'/de OR ((fecal OR faecal OR stool) NEAR/3 transplant\*):ti,ab OR 'ustekinumab'/de OR cnto1275:ti,ab,rn,tn OR 'cnto 1275':ti,ab,rn,tn OR ustekinumab:ti,ab,rn,tn OR 'autologous hematopoietic stem cell transplantation'/de OR 'stem cell transplant\*':ti,ab OR 'hemopoetic stem cell\*':ti,ab OR 'haemopoetic stem cell\*':ti,ab OR 'apheresis'/de OR 'leukocyte apheresis':ti,ab OR 'thalidomide'/de OR 'thalidomide derivative'/de OR thalidomide\*:ti,ab,rn,tn OR immunoprin\*:ti,ab,rn,tn OR 'mesenchymal stem cell'/de OR 'mesencymal stem cell\*':ti,ab OR 'allopurinol'/de OR 'allopurinol plus benzbromarone'/de OR 'allopurinol riboside'/de OR allopurinol\*:ti,ab,rn,tn OR 'psychotherapy'/exp OR 'psychological therap\*':ti,ab OR 'psychological treatment\*':ti,ab OR psychotherap\*:ti,ab OR hypnotherap\*:ti,ab OR hypnosis:ti,ab OR hypnoses:ti,ab OR 'cognitive behavioral therap\*':ti,ab OR 'cognitive behavioural therap\*':ti,ab OR cbt:ti,ab OR 'talking therap\*':ti,ab OR mindfulness\*:ti,ab OR 'alternative medicine'/de OR 'aromatherapy'/de OR 'acupuncture'/exp OR 'chinese medicine'/de OR 'herbal medicine'/de OR 'reflexology'/de OR 'homeopathy'/de OR 'osteopathic medicine'/de OR 'chiropractic'/de OR acupuncture\*:ti,ab OR 'herbal therap\*':ti,ab OR herbalism:ti,ab OR 'herbal medicine':ti,ab OR phytotherap\*:ti,ab OR reflexolog\*:ti,ab OR aromatherap\*:ti,ab OR homeopath\*:ti,ab OR osteopath\*:ti,ab OR chiropract\*:ti,ab OR 'chinese medicine\*':ti,ab OR ((complementary OR alternative) NEAR/3 (medicine\* OR therap\* OR treatment\*)):ti,ab OR 'curcumin'/de OR 'turmeric'/de OR curcumin:ti,ab OR turmeric:ti,ab OR 'cannabinoid'/de OR 'cannabinoid derivative'/de OR cannabinoid\*:ti,ab OR medipen\*:ti,ab OR 'aloe vera'/de OR ('cattle'/de OR 'bovine'/de AND 'colostrum'/de) OR 'boswellia serrata'/de OR 'elm'/de OR 'plant medicinal product'/de OR aloe:ti,ab OR wheatgrass\*:ti,ab OR 'wheat grass\*':ti,ab OR 'bovine colostrum':ti,ab OR 'boswellia serrata':ti,ab OR 'slippery elm':ti,ab OR kefin:ti,ab OR kefir:ti,ab OR kephir:ti,ab OR marshmallow:ti,ab OR 'agents used in inflammatory bowel disease'/exp) NOT ('animal'/de OR 'animal tissue'/de OR 'animal cell'/de OR 'animal model'/de OR 'animal experiment'/de OR 'nonhuman'/de NOT 'human'/exp) NOT ('editorial':it OR 'letter':it OR 'note':it) AND ('conference paper'/exp OR 'conference abstract':it OR 'conference proceeding':it OR 'conference review':it) AND (english)/lim 16853

#118 'inflammatory bowel disease'/de OR 'Crohn disease'/exp OR 'ulcerative Colitis'/de OR 'inflammatory bowel disease\*':ti,ab OR ibd:ti,ab OR ibdu:ti,ab OR 'ibd u':ti,ab OR Crohn\*:ti,ab OR 'regional enteritis':ti,ab OR 'granulomatous enteritis':ti,ab OR 'granulomatous Colitis':ti,ab OR ileoColitis:ti,ab OR 'terminal ileitis':ti,ab OR 'regional ileitis':ti,ab OR 'ulcerative Colitis':ti,ab OR 'indeterminate Colitis':ti,ab OR asuc:ti,ab OR 'idiopathic proctoColitis':ti,ab OR 'Colitis gravis':ti,ab OR proctitis:ti,ab OR 'proctitis'/exp OR 'pouchitis'/de OR 'ileitis'/de OR pouchitis:ti,ab OR 'orofacial granulomatosis'/de OR 'orofacial granulomatos\*':ti,ab OR 'granulomatous cheilitis':ti,ab OR 'cheilitis granulomatosa':ti,ab OR 'cheilitis granulomatosis':ti,ab OR 'oral granulomatosis':ti,ab AND ('steroid'/exp OR steroid\*:ti,ab,rn,tn OR corticosteroid\*:ti,ab,rn,tn OR glucocorticoid\*:ti,ab,rn,tn OR prednisolone\*:ti,ab,rn,tn OR prednisone\*:ti,ab,rn,tn OR methylprednisolone\*:ti,ab,rn,tn OR hydrocortisone\*:ti,ab,rn,tn OR cortisone\*:ti,ab,rn,tn OR dexamethasone\*:ti,ab,rn,tn OR beclomethasone\*:ti,ab,rn,tn OR betametasone\*:ti,ab,rn,tn OR budesonide\*:ti,ab,rn,tn OR clipper\*:ti,ab,rn,tn OR 'mercaptapurine'/de OR 'azathioprine derivative'/de OR 'azathioprine'/de OR 'tioguanine'/de OR thiopurine\*:ti,ab,rn,tn OR azathioprine\*:ti,ab,rn,tn OR mercaptopurine\*:ti,ab,rn,tn OR thioguanine\*:ti,ab,rn,tn OR 'salazosulfapyridine'/de OR



'mesalazine'/de OR 'balsalazide'/de OR 'olsalazine'/de OR '5 asa\*':ti,ab,rn,tn OR '5asa\*':ti,ab,rn,tn OR 'aminosalicylic acid\*':ti,ab,rn,tn OR 'aminosalicylate\*':ti,ab,rn,tn OR 'sulfasalazine\*':ti,ab,rn,tn OR 'sulphasalazine\*':ti,ab,rn,tn OR 'mesalazine\*':ti,ab,rn,tn OR 'mesalamine\*':ti,ab,rn,tn OR 'balsalazide\*':ti,ab,rn,tn OR 'olsalazine\*':ti,ab,rn,tn OR 'probiotic agent'/de OR 'prebiotic agent'/de OR 'mutaflor'/de OR 'synbiotic agent'/de OR 'vsl3'/de OR 'prebiotic\*':ti,ab,rn,tn OR 'probiotic\*':ti,ab,rn,tn OR 'nissle 1917':ti,ab,rn,tn OR 'vsl 3':ti,ab,rn,tn OR 'anti tnf\*':ti,ab,rn,tn OR 'antitnf\*':ti,ab,rn,tn OR 'antitumor\*':ti,ab,rn,tn OR 'tumor necrosis factor\*':ti,ab,rn,tn OR 'tumor necrosis factor\*':ti,ab,rn,tn OR 'infliximab\*':ti,ab,rn,tn OR 'certolizumab\*':ti,ab,rn,tn OR 'adalimumab\*':ti,ab,rn,tn OR 'golimumab\*':ti,ab,rn,tn OR 'tumor necrosis factor inhibitor'/de OR 'infliximab'/de OR 'certolizumab pegol'/de OR 'adalimumab'/de OR 'golimumab'/de OR 'cyclosporin'/de OR 'cyclosporin a'/de OR 'ciclosporin\*':ti,ab,rn,tn OR 'cyclosporin\*':ti,ab,rn,tn OR 'salvage therapy'/de OR 'salvage therapy':ti,ab OR 'vedolizumab'/de OR 'vedolizu\*':ti,ab,rn,tn OR 'anti integrin\*':ti,ab,rn,tn OR 'antiintegrin\*':ti,ab,rn,tn OR 'alpha4beta7':ti,ab,rn,tn OR 'maintenance therapy'/de OR 'drug maintenance':ti,ab OR 'maintenance therap\*':ti,ab OR 'maintenance treatment\*':ti,ab OR 'exclusion diet':ti,ab OR 'exclusive enteral nutrition':ti,ab OR 'fodmap':ti,ab OR 'lofflex':ti,ab OR ((elemental OR 'semi elemental' OR polymeric) NEAR/3 (diet\* OR nutrition)):ti,ab OR 'enteric feeding'/de OR 'elemental diet'/de OR 'diet therapy'/de OR 'antimicrob\*':ti,ab,rn,tn OR 'anti microb\*':ti,ab,rn,tn OR 'rifaximin\*':ti,ab,rn,tn OR 'tetracycline\*':ti,ab,rn,tn OR 'clarithromycin\*':ti,ab,rn,tn OR 'amoxicillin\*':ti,ab,rn,tn OR 'clavulanic acid\*':ti,ab,rn,tn OR 'doxycycline\*':ti,ab,rn,tn OR 'antibiotic\*':ti,ab,rn,tn OR 'antimicrobial\*':ti,ab,rn,tn OR 'metronidazole\*':ti,ab,rn,tn OR 'ciprofloxacin\*':ti,ab,rn,tn OR 'imidazole\*':ti,ab,rn,tn OR 'augmentin\*':ti,ab,rn,tn OR 'co amoxiclav\*':ti,ab,rn,tn OR 'coamoxiclav\*':ti,ab,rn,tn OR 'anti tuberculous\*':ti,ab,rn,tn OR 'anti map\*':ti,ab,rn,tn OR 'anti mycobacterium\*':ti,ab,rn,tn OR 'antibiotic agent'/exp OR 'tuberculostatic agent'/exp OR 'alicaforsten'/de OR 'alicaforsten':ti,ab,rn,tn OR 'isis2302':ti,ab,rn,tn OR 'isis 2302':ti,ab,rn,tn OR 'icam\* NEAR/3 (antisense OR 'anti sense')':ti,ab,rn,tn OR 'ast 120'/de OR 'kremezin\*':ti,ab,rn,tn OR 'ast120':ti,ab,rn,tn OR 'ast 120':ti,ab,rn,tn OR 'methotrexate derivative'/de OR 'methotrexate'/de OR 'amethopterin\*':ti,ab,rn,tn OR 'methotrexate\*':ti,ab,rn,tn OR 'tacrolimus'/de OR 'tacrolimus\*':ti,ab,rn,tn OR 'fk 506':ti,ab,rn,tn OR 'fk506':ti,ab,rn,tn OR 'fujimycin\*':ti,ab,rn,tn OR 'nonsteroid antiinflammatory agent'/exp OR 'nonsteroid\* antiinflammatory':ti,ab,rn,tn OR 'non-steroid\* anti-inflammatory':ti,ab,rn,tn OR 'nsaid\*':ti,ab,rn,tn OR 'ibuprofen\*':ti,ab,rn,tn OR 'diclofenac\*':ti,ab,rn,tn OR 'naproxen\*':ti,ab,rn,tn OR 'aspirin\*':ti,ab,rn,tn OR 'cyclooxygenase 2 inhibitor'/exp OR ((cox2 OR 'cox 2' OR cyclooxygenase) NEAR/3 inhibitor\*):ti,ab,rn,tn OR 'etoricoxib':ti,ab,rn,tn OR 'celecoxib':ti,ab,rn,tn OR 'fecal microbiota transplantation'/de OR ((fecal OR faecal OR stool) NEAR/3 transplant\*):ti,ab OR 'ustekinumab'/de OR 'cnto1275':ti,ab,rn,tn OR 'cno 1275':ti,ab,rn,tn OR 'ustekinumab':ti,ab,rn,tn OR 'autologous hematopoietic stem cell transplantation'/de OR 'stem cell transplant\*':ti,ab OR 'hemopoetic stem cell\*':ti,ab OR 'haemopoetic stem cell\*':ti,ab OR 'apheresis'/de OR 'leukocyte apheresis':ti,ab OR 'thalidomide'/de OR 'thalidomide derivative'/de OR 'thalidomide\*':ti,ab,rn,tn OR 'immunoprin\*':ti,ab,rn,tn OR 'mesenchymal stem cell'/de OR 'mesenchymal stem cell\*':ti,ab OR 'allopurinol'/de OR 'allopurinol plus benzbromarone'/de OR 'allopurinol riboside'/de OR 'allopurinol\*':ti,ab,rn,tn OR 'psychotherapy'/exp OR 'psychological therap\*':ti,ab OR 'psychological treatment\*':ti,ab OR 'psychotherap\*':ti,ab OR 'hypnoterap\*':ti,ab OR 'hypnosis':ti,ab OR 'hypnoses':ti,ab OR 'cognitive behavioral therap\*':ti,ab OR 'cognitive behavioural therap\*':ti,ab OR 'cbt':ti,ab OR 'talking therap\*':ti,ab OR 'mindfulness\*':ti,ab OR 'alternative medicine'/de OR 'aromatherapy'/de OR 'acupuncture'/exp OR 'chinese medicine'/de OR 'herbal medicine'/de OR 'reflexology'/de OR 'homeopathy'/de OR 'osteopathic medicine'/de OR 'chiropractic'/de OR 'acupuncture\*':ti,ab OR 'herbal therap\*':ti,ab OR 'herbalism':ti,ab OR 'herbal medicine':ti,ab OR 'phytotherap\*':ti,ab OR 'reflexolog\*':ti,ab OR 'aromatherap\*':ti,ab OR 'homeopath\*':ti,ab OR 'osteopath\*':ti,ab OR 'chiropract\*':ti,ab OR 'chinese medicine\*':ti,ab OR ((complementary OR alternative) NEAR/3 (medicine\* OR therap\* OR treatment\*)):ti,ab OR 'curcumin'/de OR 'turmeric'/de OR 'curcumin':ti,ab OR 'turmeric':ti,ab OR 'cannabinoid'/de OR 'cannabinoid derivative'/de OR 'cannabinoid\*':ti,ab OR 'medipen\*':ti,ab OR 'aloe vera'/de OR ('cattle'/de OR 'bovine'/de AND 'colostrum'/de) OR 'boswellia serrata'/de OR 'elm'/de OR 'plant medicinal product'/de OR 'aloe':ti,ab OR 'wheatgrass\*':ti,ab OR 'wheat grass\*':ti,ab OR 'bovine colostrum':ti,ab OR 'boswellia serrata':ti,ab OR 'slippery elm':ti,ab OR 'kefir':ti,ab OR 'kefir':ti,ab OR 'kefir':ti,ab OR 'marshmallow':ti,ab OR 'agents used in inflammatory bowel disease'/exp) NOT ('animal'/de OR 'animal tissue'/de OR 'animal cell'/de OR 'animal model'/de OR 'animal experiment'/de OR 'nonhuman'/de NOT 'human'/exp) NOT ('editorial':it OR 'letter':it OR 'note':it) AND ('conference paper'/exp OR 'conference abstract':it OR 'conference proceeding':it OR 'conference review':it) 17123

#117 'inflammatory bowel disease'/de OR 'Crohn disease'/exp OR 'ulcerative Colitis'/de OR 'inflammatory bowel disease\*':ti,ab OR ibd:ti,ab OR ibdu.ti,ab OR 'ibd u':ti,ab OR Crohn\*:ti,ab OR 'regional enteritis':ti,ab OR 'granulomatous enteritis':ti,ab OR 'granulomatous Colitis':ti,ab OR ileoColitis:ti,ab OR 'terminal ileitis':ti,ab OR 'regional ileitis':ti,ab OR 'ulcerative Colitis':ti,ab OR 'indeterminate Colitis':ti,ab OR asuc:ti,ab OR 'idiopathic proctoColitis':ti,ab OR 'Colitis gravis':ti,ab OR proctitis:ti,ab OR 'proctitis'/exp OR 'pouchitis'/de OR 'ileitis'/de OR pouchitis:ti,ab OR 'orofacial granulomatosis'/de OR 'orofacial granulomatos\*':ti,ab OR 'granulomatous cheilitis':ti,ab OR 'cheilitis granulomatosa':ti,ab OR 'cheilitis granulomatosis':ti,ab OR 'oral granulomatosis':ti,ab AND ('steroid'/exp OR steroid\*:ti,ab,rn,tn OR corticosteroid\*:ti,ab,rn,tn OR glucocorticoid\*:ti,ab,rn,tn OR prednisolone\*:ti,ab,rn,tn OR prednisone\*:ti,ab,rn,tn OR methylprednisolone\*:ti,ab,rn,tn OR hydrocortisone\*:ti,ab,rn,tn OR cortisone\*:ti,ab,rn,tn OR dexamethasone\*:ti,ab,rn,tn OR beclomethasone\*:ti,ab,rn,tn OR betametasone\*:ti,ab,rn,tn OR budesonide\*:ti,ab,rn,tn OR clipper\*:ti,ab,rn,tn OR 'mercaptopurine'/de OR 'azathioprine derivative'/de OR 'azathioprine'/de OR 'tioguanine'/de OR thiopurine\*:ti,ab,rn,tn OR azathioprine\*:ti,ab,rn,tn OR mercaptopurine\*:ti,ab,rn,tn OR thioguanine\*:ti,ab,rn,tn OR 'salazosulfapyridine'/de OR 'mesalazine'/de OR 'balsalazide'/de OR 'olsalazine'/de OR '5 asa\*':ti,ab,rn,tn OR 5asa\*:ti,ab,rn,tn OR 'aminosalicylic acid\*':ti,ab,rn,tn OR aminosalicylate\*:ti,ab,rn,tn OR sulfasalazine\*:ti,ab,rn,tn OR sulphasalazine\*:ti,ab,rn,tn OR mesalazine\*:ti,ab,rn,tn OR mesalamine\*:ti,ab,rn,tn OR balsalazide\*:ti,ab,rn,tn OR olsalazine\*:ti,ab,rn,tn OR 'probiotic agent'/de OR 'prebiotic agent'/de OR 'mutaflor'/de OR 'synbiotic agent'/de OR 'vsl3'/de OR prebiotic\*:ti,ab,rn,tn OR probiotic\*:ti,ab,rn,tn OR 'nissle 1917':ti,ab,rn,tn OR 'vsl 3':ti,ab,rn,tn OR 'anti tnf\*':ti,ab,rn,tn OR antitnf\*:ti,ab,rn,tn OR 'antitumor\*r necrosis factor\*':ti,ab,rn,tn OR 'tumo\*r necrosis factor\*':ti,ab,rn,tn OR infliximab\*:ti,ab,rn,tn OR certolizumab\*:ti,ab,rn,tn OR adalimumab\*:ti,ab,rn,tn OR golimumab\*:ti,ab,rn,tn OR 'tumor necrosis factor inhibitor'/de OR 'infliximab'/de OR 'certolizumab pegol'/de OR 'adalimumab'/de OR 'golimumab'/de OR 'cyclosporin'/de OR 'cyclosporin a'/de OR ciclosporin\*:ti,ab,rn,tn OR cyclosporin\*:ti,ab,rn,tn OR 'salvage therapy'/de OR 'salvage therapy':ti,ab OR 'vedolizumab'/de OR vedolizu\*:ti,ab,rn,tn OR 'anti integrin\*':ti,ab,rn,tn OR antiintegrin\*:ti,ab,rn,tn OR alpha4beta7:ti,ab,rn,tn OR 'maintenance therapy'/de OR 'drug maintenance':ti,ab OR 'maintenance therap\*':ti,ab OR 'maintenance treatment\*':ti,ab OR een:ti,ab OR 'exclusive enteral nutrition':ti,ab OR fodmap:ti,ab OR lofflex:ti,ab OR ((elemental OR 'semi elemental' OR polymeric) NEAR/3 (diet\* OR nutrition)):ti,ab OR 'enteric feeding'/de OR 'elemental diet'/de OR 'diet therapy'/de OR antimicrob\*:ti,ab,rn,tn OR 'anti microb\*':ti,ab,rn,tn OR rifaximin\*:ti,ab,rn,tn OR tetracycline\*:ti,ab,rn,tn OR clarithromycin\*:ti,ab,rn,tn OR amoxicillin\*:ti,ab,rn,tn OR 'clavulanic acid\*':ti,ab,rn,tn OR doxycycline\*:ti,ab,rn,tn OR antibiotic\*:ti,ab,rn,tn OR antimicrobial\*:ti,ab,rn,tn OR metronidazole\*:ti,ab,rn,tn OR ciprofloxacin\*:ti,ab,rn,tn OR imidazole\*:ti,ab,rn,tn OR augmentin\*:ti,ab,rn,tn OR 'co amoxiclav\*':ti,ab,rn,tn OR coamoxiclav\*:ti,ab,rn,tn OR 'anti tuberculous':ti,ab,rn,tn OR 'anti map':ti,ab,rn,tn OR 'anti mycobacterium':ti,ab,rn,tn OR 'antibiotic agent'/exp OR 'tuberculostatic agent'/exp OR 'alicaforsen'/de OR alicaforsen:ti,ab,rn,tn OR isis2302:ti,ab,rn,tn OR 'isis 2302':ti,ab,rn,tn OR (icam\* NEAR/3 (antisense OR 'anti sense')):ti,ab,rn,tn OR 'ast 120'/de OR kremezin\*:ti,ab,rn,tn OR ast120:ti,ab,rn,tn OR 'ast 120':ti,ab,rn,tn OR 'methotrexate derivative'/de OR 'methotrexate'/de OR amethopterin\*:ti,ab,rn,tn OR methotrexate\*:ti,ab,rn,tn OR 'tacrolimus'/de OR tacrolimus\*:ti,ab,rn,tn OR 'fk 506':ti,ab,rn,tn OR fk506:ti,ab,rn,tn OR fujimycin\*:ti,ab,rn,tn OR 'nonsteroid antiinflammatory agent'/exp OR 'nonsteroid\* antiinflammatory':ti,ab,rn,tn OR 'non-steroid\* anti-inflammatory':ti,ab,rn,tn OR nsaid\*:ti,ab,rn,tn OR ibuprofen\*:ti,ab,rn,tn OR diclofenac\*:ti,ab,rn,tn OR naproxen\*:ti,ab,rn,tn OR aspirin\*:ti,ab,rn,tn OR 'cyclooxygenase 2 inhibitor'/exp OR ((cox2 OR 'cox 2' OR cyclooxygenase) NEAR/3 inhibitor\*):ti,ab,rn,tn OR etoricoxib:ti,ab,rn,tn OR celecoxib:ti,ab,rn,tn OR 'fecal microbiota transplantation'/de OR ((fecal OR faecal OR stool) NEAR/3 transplant\*):ti,ab OR 'ustekinumab'/de OR cnto1275:ti,ab,rn,tn OR 'cnto 1275':ti,ab,rn,tn OR ustekinumab:ti,ab,rn,tn OR 'autologous hematopoietic stem cell transplantation'/de OR 'stem cell transplant\*':ti,ab OR 'hemopoetic stem cell\*':ti,ab OR 'haemopoetic stem cell\*':ti,ab OR 'apheresis'/de OR 'leukocyte apheresis':ti,ab OR 'thalidomide'/de OR 'thalidomide derivative'/de OR thalidomide\*:ti,ab,rn,tn OR immunoprin\*:ti,ab,rn,tn OR 'mesenchymal stem cell'/de OR 'mesencymal stem cell\*':ti,ab OR 'allopurinol'/de OR 'allopurinol plus benzbromarone'/de OR 'allopurinol riboside'/de OR allopurinol\*:ti,ab,rn,tn OR 'psychotherapy'/exp OR 'psychological therap\*':ti,ab OR 'psychological treatment\*':ti,ab OR psychotherap\*:ti,ab OR hypnotherap\*:ti,ab OR hypnosis:ti,ab OR hypnoses:ti,ab OR 'cognitive behavioral therap\*':ti,ab OR 'cognitive behavioural therap\*':ti,ab OR cbt:ti,ab OR 'talking therap\*':ti,ab OR mindfulness\*:ti,ab OR 'alternative medicine'/de OR 'aromatherapy'/de OR 'acupuncture'/exp OR 'chinese medicine'/de OR 'herbal medicine'/de OR

'reflexology'/de OR 'homeopathy'/de OR 'osteopathic medicine'/de OR 'chiropractic'/de OR acupuncture\*:ti,ab OR 'herbal therap\*':ti,ab OR herbalism:ti,ab OR 'herbal medicine':ti,ab OR phytotherap\*':ti,ab OR reflexolog\*':ti,ab OR aromatherap\*':ti,ab OR homeopath\*':ti,ab OR osteopath\*':ti,ab OR chiropract\*':ti,ab OR 'chinese medicine\*':ti,ab OR ((complementary OR alternative) NEAR/3 (medicine\* OR therap\* OR treatment\*)):ti,ab OR 'curcumin'/de OR 'turmeric'/de OR curcumin:ti,ab OR turmeric:ti,ab OR 'cannabinoid'/de OR 'cannabinoid derivative'/de OR cannabinoid\*:ti,ab OR medipen\*:ti,ab OR 'aloe vera'/de OR ('cattle'/de OR 'bovine'/de AND 'colostrum'/de) OR 'boswellia serrata'/de OR 'elm'/de OR 'plant medicinal product'/de OR aloe:ti,ab OR wheatgrass\*:ti,ab OR 'wheat grass\*':ti,ab OR 'bovine colostrum':ti,ab OR 'boswellia serrata':ti,ab OR 'slippery elm':ti,ab OR kefir:ti,ab OR kefir:ti,ab OR kefir:ti,ab OR marshmallow:ti,ab OR 'agents used in inflammatory bowel disease'/exp) NOT ('animal'/de OR 'animal tissue'/de OR 'animal cell'/de OR 'animal model'/de OR 'animal experiment'/de OR 'nonhuman'/de NOT 'human'/exp) NOT ('editorial':it OR 'letter':it OR 'note':it) NOT ('conference paper'/exp OR 'conference abstract':it OR 'conference proceeding':it OR 'conference review':it) AND (english)/lim NOT (medline)/lim 7851

#116 'inflammatory bowel disease'/de OR 'Crohn disease'/exp OR 'ulcerative Colitis'/de OR 'inflammatory bowel disease\*':ti,ab OR ibd:ti,ab OR ibdu:ti,ab OR 'ibd u':ti,ab OR Crohn\*:ti,ab OR 'regional enteritis':ti,ab OR 'granulomatous enteritis':ti,ab OR 'granulomatous Colitis':ti,ab OR ileoColitis:ti,ab OR 'terminal ileitis':ti,ab OR 'regional ileitis':ti,ab OR 'ulcerative Colitis':ti,ab OR 'indeterminate Colitis':ti,ab OR asuc:ti,ab OR 'idiopathic proctoColitis':ti,ab OR 'Colitis gravis':ti,ab OR proctitis:ti,ab OR 'proctitis'/exp OR 'pouchitis'/de OR 'ileitis'/de OR pouchitis:ti,ab OR 'orofacial granulomatosis'/de OR 'orofacial granulomatos\*':ti,ab OR 'granulomatous cheilitis':ti,ab OR 'cheilitis granulomatos\*':ti,ab OR 'cheilitis granulomatosis':ti,ab OR 'oral granulomatosis':ti,ab AND ('steroid'/exp OR steroid\*:ti,ab,rn,tn OR corticosteroid\*:ti,ab,rn,tn OR glucocorticoid\*:ti,ab,rn,tn OR prednisolone\*:ti,ab,rn,tn OR prednisone\*:ti,ab,rn,tn OR methylprednisolone\*:ti,ab,rn,tn OR hydrocortisone\*:ti,ab,rn,tn OR cortisone\*:ti,ab,rn,tn OR dexamethasone\*:ti,ab,rn,tn OR beclomethasone\*:ti,ab,rn,tn OR betametasone\*:ti,ab,rn,tn OR budesonide\*:ti,ab,rn,tn OR clipper\*:ti,ab,rn,tn OR 'mercaptapurine'/de OR 'azathioprine derivative'/de OR 'azathioprine'/de OR 'tioguanine'/de OR thiopurine\*:ti,ab,rn,tn OR azathioprine\*:ti,ab,rn,tn OR mercaptopurine\*:ti,ab,rn,tn OR thioguanine\*:ti,ab,rn,tn OR 'salazosulfapyridine'/de OR 'mesalazine'/de OR 'balsalazide'/de OR 'olsalazine'/de OR '5 asa\*':ti,ab,rn,tn OR Sasa\*:ti,ab,rn,tn OR 'aminosalicylic acid\*':ti,ab,rn,tn OR aminosalicylate\*:ti,ab,rn,tn OR sulfasalazine\*:ti,ab,rn,tn OR sulphasalazine\*:ti,ab,rn,tn OR mesalazine\*:ti,ab,rn,tn OR mesalamine\*:ti,ab,rn,tn OR balsalazide\*:ti,ab,rn,tn OR olsalazine\*:ti,ab,rn,tn OR 'probiotic agent'/de OR 'prebiotic agent'/de OR 'mutaflor'/de OR 'synbiotic agent'/de OR 'vsl3'/de OR prebiotic\*:ti,ab,rn,tn OR probiotic\*:ti,ab,rn,tn OR 'nissle 1917':ti,ab,rn,tn OR 'vsl 3':ti,ab,rn,tn OR 'anti tnf\*':ti,ab,rn,tn OR antitnf\*:ti,ab,rn,tn OR 'antitumor\*r necrosis factor\*':ti,ab,rn,tn OR 'tumo\*r necrosis factor\*':ti,ab,rn,tn OR infliximab\*:ti,ab,rn,tn OR certolizumab\*:ti,ab,rn,tn OR adalimumab\*:ti,ab,rn,tn OR golimumab\*:ti,ab,rn,tn OR 'tumor necrosis factor inhibitor'/de OR 'infliximab'/de OR 'certolizumab pegol'/de OR 'adalimumab'/de OR 'golimumab'/de OR 'cyclosporin'/de OR 'cyclosporin a'/de OR ciclosporin\*:ti,ab,rn,tn OR cyclosporin\*:ti,ab,rn,tn OR 'salvage therapy'/de OR 'salvage therapy':ti,ab OR 'vedolizumab'/de OR vedolizu\*:ti,ab,rn,tn OR 'anti integrin\*':ti,ab,rn,tn OR antiintegrin\*:ti,ab,rn,tn OR alpha4beta7:ti,ab,rn,tn OR 'maintenance therapy'/de OR 'drug maintenance':ti,ab OR 'maintenance therap\*':ti,ab OR 'maintenance treatment\*':ti,ab OR een:ti,ab OR 'exclusive enteral nutrition':ti,ab OR fodmap:ti,ab OR lofflex:ti,ab OR ((elemental OR 'semi elemental' OR polymeric) NEAR/3 (diet\* OR nutrition)):ti,ab OR 'enteric feeding'/de OR 'elemental diet'/de OR 'diet therapy'/de OR antimicrob\*:ti,ab,rn,tn OR 'anti microb\*':ti,ab,rn,tn OR rifaximin\*:ti,ab,rn,tn OR tetracycline\*:ti,ab,rn,tn OR clarithromycin\*:ti,ab,rn,tn OR amoxicillin\*:ti,ab,rn,tn OR 'clavulanic acid\*':ti,ab,rn,tn OR doxycycline\*:ti,ab,rn,tn OR antibiotic\*:ti,ab,rn,tn OR antimicrobial\*:ti,ab,rn,tn OR metronidazole\*:ti,ab,rn,tn OR ciprofloxacin\*:ti,ab,rn,tn OR imidazole\*:ti,ab,rn,tn OR augmentin\*:ti,ab,rn,tn OR 'co amoxiclav\*':ti,ab,rn,tn OR coamoxiclav\*:ti,ab,rn,tn OR 'anti tuberculous':ti,ab,rn,tn OR 'anti map':ti,ab,rn,tn OR 'anti mycobacterium':ti,ab,rn,tn OR 'antibiotic agent'/exp OR 'tuberculostatic agent'/exp OR 'alicaforsten'/de OR alicaforsten:ti,ab,rn,tn OR isis2302:ti,ab,rn,tn OR 'isis 2302':ti,ab,rn,tn OR (icam\* NEAR/3 (antisense OR 'anti sense')):ti,ab,rn,tn OR 'ast 120'/de OR kremezin\*:ti,ab,rn,tn OR ast120:ti,ab,rn,tn OR 'ast 120':ti,ab,rn,tn OR 'methotrexate derivative'/de OR 'methotrexate'/de OR amethopterin\*:ti,ab,rn,tn OR methotrexate\*:ti,ab,rn,tn OR 'tacrolimus'/de OR tacrolimus\*:ti,ab,rn,tn OR 'fk 506':ti,ab,rn,tn OR fk506:ti,ab,rn,tn OR fujimycin\*:ti,ab,rn,tn OR 'nonsteroid antiinflammatory agent'/exp OR 'nonsteroid\* antiinflammatory':ti,ab,rn,tn OR 'non-steroid\* anti-inflammatory':ti,ab,rn,tn OR

nsaid\*:ti,ab,rn,tn OR ibuprofen\*:ti,ab,rn,tn OR diclofenac\*:ti,ab,rn,tn OR naproxen\*:ti,ab,rn,tn OR aspirin\*:ti,ab,rn,tn OR 'cyclooxygenase 2 inhibitor'/exp OR ((cox2 OR 'cox 2' OR cyclooxygenase) NEAR/3 inhibitor\*):ti,ab,rn,tn OR etoricoxib:ti,ab,rn,tn OR celecoxib:ti,ab,rn,tn OR 'fecal microbiota transplantation'/de OR ((fecal OR faecal OR stool) NEAR/3 transplant\*):ti,ab OR 'ustekinumab'/de OR cnto1275:ti,ab,rn,tn OR 'cnto 1275':ti,ab,rn,tn OR ustekinumab:ti,ab,rn,tn OR 'autologous hematopoietic stem cell transplantation'/de OR 'stem cell transplant\*':ti,ab OR 'hemopoetic stem cell\*':ti,ab OR 'haemopoetic stem cell\*':ti,ab OR 'apheresis'/de OR 'leukocyte apheresis':ti,ab OR 'thalidomide'/de OR 'thalidomide derivative'/de OR thalidomide\*:ti,ab,rn,tn OR immunoprin\*:ti,ab,rn,tn OR 'mesenchymal stem cell'/de OR 'mesencymal stem cell\*':ti,ab OR 'allopurinol'/de OR 'allopurinol plus benzbromarone'/de OR 'allopurinol riboside'/de OR allopurinol\*:ti,ab,rn,tn OR 'psychotherapy'/exp OR 'psychological therap\*':ti,ab OR 'psychological treatment\*':ti,ab OR psychotherap\*:ti,ab OR hypnotherap\*:ti,ab OR hypnosis:ti,ab OR hypnoses:ti,ab OR 'cognitive behavioral therap\*':ti,ab OR 'cognitive behavioural therap\*':ti,ab OR cbt:ti,ab OR 'talking therap\*':ti,ab OR mindfulness\*:ti,ab OR 'alternative medicine'/de OR 'aromatherapy'/de OR 'acupuncture'/exp OR 'chinese medicine'/de OR 'herbal medicine'/de OR 'reflexology'/de OR 'homeopathy'/de OR 'osteopathic medicine'/de OR 'chiropractic'/de OR acupuncture\*:ti,ab OR 'herbal therap\*':ti,ab OR herbalism:ti,ab OR 'herbal medicine':ti,ab OR phytotherap\*:ti,ab OR reflexolog\*:ti,ab OR aromatherap\*:ti,ab OR homeopath\*:ti,ab OR osteopath\*:ti,ab OR chiropract\*:ti,ab OR 'chinese medicine\*':ti,ab OR ((complementary OR alternative) NEAR/3 (medicine\* OR therap\* OR treatment\*)):ti,ab OR 'curcumin'/de OR 'turmeric'/de OR curcumin:ti,ab OR turmeric:ti,ab OR 'cannabinoid'/de OR 'cannabinoid derivative'/de OR cannabinoid\*:ti,ab OR medipen\*:ti,ab OR 'aloe vera'/de OR ('cattle'/de OR 'bovine'/de AND 'colostrum'/de) OR 'boswellia serrata'/de OR 'elm'/de OR 'plant medicinal product'/de OR aloe:ti,ab OR wheatgrass\*:ti,ab OR 'wheat grass\*':ti,ab OR 'bovine colostrum':ti,ab OR 'boswellia serrata':ti,ab OR 'slippery elm':ti,ab OR kefin:ti,ab OR kefir:ti,ab OR kephir:ti,ab OR marshmallow:ti,ab OR 'agents used in inflammatory bowel disease'/exp) NOT ('animal'/de OR 'animal tissue'/de OR 'animal cell'/de OR 'animal model'/de OR 'animal experiment'/de OR 'nonhuman'/de NOT 'human'/exp) NOT ('editorial':it OR 'letter':it OR 'note':it) NOT ('conference paper'/exp OR 'conference abstract':it OR 'conference proceeding':it OR 'conference review':it) AND (english)/lim 33128

#115 'inflammatory bowel disease'/de OR 'Crohn disease'/exp OR 'ulcerative Colitis'/de OR 'inflammatory bowel disease\*':ti,ab OR ibd:ti,ab OR ibdu:ti,ab OR 'ibd u':ti,ab OR Crohn\*:ti,ab OR 'regional enteritis':ti,ab OR 'granulomatous enteritis':ti,ab OR 'granulomatous Colitis':ti,ab OR ileoColitis:ti,ab OR 'terminal ileitis':ti,ab OR 'regional ileitis':ti,ab OR 'ulcerative Colitis':ti,ab OR 'indeterminate Colitis':ti,ab OR asuc:ti,ab OR 'idiopathic proctoColitis':ti,ab OR 'Colitis gravis':ti,ab OR proctitis:ti,ab OR 'proctitis'/exp OR 'pouchitis'/de OR 'ileitis'/de OR pouchitis:ti,ab OR 'orofacial granulomatosis'/de OR 'orofacial granulomatos\*':ti,ab OR 'granulomatous cheilitis':ti,ab OR 'cheilitis granulomatosa':ti,ab OR 'cheilitis granulomatosis':ti,ab OR 'oral granulomatosis':ti,ab AND ('steroid'/exp OR steroid\*:ti,ab,rn,tn OR corticosteroid\*:ti,ab,rn,tn OR glucocorticoid\*:ti,ab,rn,tn OR prednisolone\*:ti,ab,rn,tn OR prednisone\*:ti,ab,rn,tn OR methylprednisolone\*:ti,ab,rn,tn OR hydrocortisone\*:ti,ab,rn,tn OR cortisone\*:ti,ab,rn,tn OR dexamethasone\*:ti,ab,rn,tn OR beclomethasone\*:ti,ab,rn,tn OR betametasone\*:ti,ab,rn,tn OR budesonide\*:ti,ab,rn,tn OR clipper\*:ti,ab,rn,tn OR 'mercaptapurine'/de OR 'azathioprine derivative'/de OR 'azathioprine'/de OR 'tioguanine'/de OR thiopurine\*:ti,ab,rn,tn OR azathioprine\*:ti,ab,rn,tn OR mercaptopurine\*:ti,ab,rn,tn OR thioguanine\*:ti,ab,rn,tn OR 'salazosulfapyridine'/de OR 'mesalazine'/de OR 'balsalazide'/de OR 'olsalazine'/de OR '5 asa\*':ti,ab,rn,tn OR 5asa\*:ti,ab,rn,tn OR 'aminosalicylic acid\*':ti,ab,rn,tn OR aminosalicylate\*:ti,ab,rn,tn OR sulfasalazine\*:ti,ab,rn,tn OR sulphasalazine\*:ti,ab,rn,tn OR mesalazine\*:ti,ab,rn,tn OR mesalamine\*:ti,ab,rn,tn OR balsalazide\*:ti,ab,rn,tn OR olsalazine\*:ti,ab,rn,tn OR 'probiotic agent'/de OR 'prebiotic agent'/de OR 'mutaflor'/de OR 'synbiotic agent'/de OR 'vsl3'/de OR prebiotic\*:ti,ab,rn,tn OR probiotic\*:ti,ab,rn,tn OR 'nissle 1917':ti,ab,rn,tn OR 'vsl 3':ti,ab,rn,tn OR 'anti tnf\*':ti,ab,rn,tn OR antitnf\*:ti,ab,rn,tn OR 'antitumor\*r necrosis factor\*':ti,ab,rn,tn OR 'tumo\*r necrosis factor\*':ti,ab,rn,tn OR infliximab\*:ti,ab,rn,tn OR certolizumab\*:ti,ab,rn,tn OR adalimumab\*:ti,ab,rn,tn OR golimumab\*:ti,ab,rn,tn OR 'tumor necrosis factor inhibitor'/de OR 'infliximab'/de OR 'certolizumab pegol'/de OR 'adalimumab'/de OR 'golimumab'/de OR 'cyclosporin'/de OR 'cyclosporin a'/de OR ciclosporin\*:ti,ab,rn,tn OR cyclosporin\*:ti,ab,rn,tn OR 'salvage therapy'/de OR 'salvage therapy':ti,ab OR 'vedolizumab'/de OR vedolizu\*:ti,ab,rn,tn OR 'anti integrin\*':ti,ab,rn,tn OR antiintegrin\*:ti,ab,rn,tn OR alpha4beta7:ti,ab,rn,tn OR 'maintenance therapy'/de OR 'drug maintenance':ti,ab OR 'maintenance therap\*':ti,ab OR 'maintenance treatment\*':ti,ab OR een:ti,ab OR 'exclusive enteral nutrition':ti,ab OR fodmap:ti,ab OR

lofflex:ti,ab OR ((elemental OR 'semi elemental' OR polymeric) NEAR/3 (diet\* OR nutrition)):ti,ab OR 'enteric feeding'/de OR 'elemental diet'/de OR 'diet therapy'/de OR antimicrob\*:ti,ab,rn,tn OR 'anti microb\*':ti,ab,rn,tn OR rifaximin\*:ti,ab,rn,tn OR tetracycline\*:ti,ab,rn,tn OR clarithromycin\*:ti,ab,rn,tn OR amoxicillin\*:ti,ab,rn,tn OR 'clavulanic acid\*':ti,ab,rn,tn OR doxycycline\*:ti,ab,rn,tn OR antibiotic\*:ti,ab,rn,tn OR antimicrobial\*:ti,ab,rn,tn OR metronidazole\*:ti,ab,rn,tn OR ciprofloxacin\*:ti,ab,rn,tn OR imidazole\*:ti,ab,rn,tn OR augmentin\*:ti,ab,rn,tn OR 'co amoxiclav\*':ti,ab,rn,tn OR coamoxiclav\*:ti,ab,rn,tn OR 'anti tuberculous\*':ti,ab,rn,tn OR 'anti map\*':ti,ab,rn,tn OR 'anti mycobacterium\*':ti,ab,rn,tn OR 'antibiotic agent'/exp OR 'tuberculostatic agent'/exp OR 'alicaforsen'/de OR alicaforsen:ti,ab,rn,tn OR isis2302:ti,ab,rn,tn OR 'isis 2302':ti,ab,rn,tn OR (icam\* NEAR/3 (antisense OR 'anti sense')):ti,ab,rn,tn OR 'ast 120'/de OR kremezin\*:ti,ab,rn,tn OR ast120:ti,ab,rn,tn OR 'ast 120':ti,ab,rn,tn OR 'methotrexate derivative'/de OR 'methotrexate'/de OR amethopterin\*:ti,ab,rn,tn OR methotrexate\*:ti,ab,rn,tn OR 'tacrolimus'/de OR tacrolimus\*:ti,ab,rn,tn OR 'fk 506':ti,ab,rn,tn OR fk506:ti,ab,rn,tn OR fujimycin\*:ti,ab,rn,tn OR 'nonsteroid antiinflammatory agent'/exp OR 'nonsteroid\* antiinflammatory':ti,ab,rn,tn OR 'non-steroid\* anti-inflammatory':ti,ab,rn,tn OR nsaid\*:ti,ab,rn,tn OR ibuprofen\*:ti,ab,rn,tn OR diclofenac\*:ti,ab,rn,tn OR naproxen\*:ti,ab,rn,tn OR aspirin\*:ti,ab,rn,tn OR 'cyclooxygenase 2 inhibitor'/exp OR ((cox2 OR 'cox 2' OR cyclooxygenase) NEAR/3 inhibitor\*):ti,ab,rn,tn OR etoricoxib:ti,ab,rn,tn OR celecoxib:ti,ab,rn,tn OR 'fecal microbiota transplantation'/de OR ((fecal OR faecal OR stool) NEAR/3 transplant\*):ti,ab OR 'ustekinumab'/de OR cnto1275:ti,ab,rn,tn OR 'cnto 1275':ti,ab,rn,tn OR ustekinumab:ti,ab,rn,tn OR 'autologous hematopoietic stem cell transplantation'/de OR 'stem cell transplant\*':ti,ab OR 'hemopoetic stem cell\*':ti,ab OR 'haemopoetic stem cell\*':ti,ab OR 'apheresis'/de OR 'leukocyte apheresis':ti,ab OR 'thalidomide'/de OR 'thalidomide derivative'/de OR thalidomide\*:ti,ab,rn,tn OR immunoprin\*:ti,ab,rn,tn OR 'mesenchymal stem cell'/de OR 'mesencymal stem cell\*':ti,ab OR 'allopurinol'/de OR 'allopurinol plus benzbromarone'/de OR 'allopurinol riboside'/de OR allopurinol\*:ti,ab,rn,tn OR 'psychotherapy'/exp OR 'psychological therap\*':ti,ab OR 'psychological treatment\*':ti,ab OR psychotherap\*:ti,ab OR hypnotherap\*:ti,ab OR hypnosis:ti,ab OR hypnoses:ti,ab OR 'cognitive behavioral therap\*':ti,ab OR 'cognitive behavioural therap\*':ti,ab OR cbt:ti,ab OR 'talking therap\*':ti,ab OR mindfulness\*:ti,ab OR 'alternative medicine'/de OR 'aromatherapy'/de OR 'acupuncture'/exp OR 'chinese medicine'/de OR 'herbal medicine'/de OR 'reflexology'/de OR 'homeopathy'/de OR 'osteopathic medicine'/de OR 'chiropractic'/de OR acupuncture\*:ti,ab OR 'herbal therap\*':ti,ab OR herbalism:ti,ab OR 'herbal medicine':ti,ab OR phytotherap\*:ti,ab OR reflexolog\*:ti,ab OR aromatherap\*:ti,ab OR homeopath\*:ti,ab OR osteopath\*:ti,ab OR chiropract\*:ti,ab OR 'chinese medicine\*':ti,ab OR ((complementary OR alternative) NEAR/3 (medicine\* OR therap\* OR treatment\*)):ti,ab OR 'curcumin'/de OR 'turmeric'/de OR curcumin:ti,ab OR turmeric:ti,ab OR 'cannabinoid'/de OR 'cannabinoid derivative'/de OR cannabinoid\*:ti,ab OR medipen\*:ti,ab OR 'aloe vera'/de OR ('cattle'/de OR 'bovine'/de AND 'colostrum'/de) OR 'boswellia serrata'/de OR 'elm'/de OR 'plant medicinal product'/de OR aloe:ti,ab OR wheatgrass\*:ti,ab OR 'wheat grass\*':ti,ab OR 'bovine colostrum':ti,ab OR 'boswellia serrata':ti,ab OR 'slippery elm':ti,ab OR kefir:ti,ab OR kefir:ti,ab OR kephir:ti,ab OR marshmallow:ti,ab OR 'agents used in inflammatory bowel disease'/exp) NOT ('animal'/de OR 'animal tissue'/de OR 'animal cell'/de OR 'animal model'/de OR 'animal experiment'/de OR 'nonhuman'/de NOT 'human'/exp) NOT ('editorial':it OR 'letter':it OR 'note':it) NOT ('conference paper'/exp OR 'conference abstract':it OR 'conference proceeding':it OR 'conference review':it) 39150

#114 'conference paper'/exp OR 'conference abstract':it OR 'conference proceeding':it OR 'conference review':it 3224377

#113 'inflammatory bowel disease'/de OR 'Crohn disease'/exp OR 'ulcerative Colitis'/de OR 'inflammatory bowel disease\*':ti,ab OR ibd:ti,ab OR ibdu:ti,ab OR 'ibd u':ti,ab OR Crohn\*:ti,ab OR 'regional enteritis':ti,ab OR 'granulomatous enteritis':ti,ab OR 'granulomatous Colitis':ti,ab OR ileoColitis:ti,ab OR 'terminal ileitis':ti,ab OR 'regional ileitis':ti,ab OR 'ulcerative Colitis':ti,ab OR 'indeterminate Colitis':ti,ab OR asuc:ti,ab OR 'idiopathic proctoColitis':ti,ab OR 'Colitis gravis':ti,ab OR proctitis:ti,ab OR 'proctitis'/exp OR 'pouchitis'/de OR 'ileitis'/de OR pouchitis:ti,ab OR 'orofacial granulomatosis'/de OR 'orofacial granulomatos\*':ti,ab OR 'granulomatous cheilitis':ti,ab OR 'cheilitis granulomatosa':ti,ab OR 'cheilitis granulomatosis':ti,ab OR 'oral granulomatosis':ti,ab AND ('steroid'/exp OR steroid\*:ti,ab,rn,tn OR corticosteroid\*:ti,ab,rn,tn OR glucocorticoid\*:ti,ab,rn,tn OR prednisolone\*:ti,ab,rn,tn OR prednisone\*:ti,ab,rn,tn OR methylprednisolone\*:ti,ab,rn,tn OR hydrocortisone\*:ti,ab,rn,tn OR cortisone\*:ti,ab,rn,tn OR dexamethasone\*:ti,ab,rn,tn OR beclomethasone\*:ti,ab,rn,tn OR betametasone\*:ti,ab,rn,tn OR budesonide\*:ti,ab,rn,tn OR clipper\*:ti,ab,rn,tn OR 'mercaptapurine'/de OR 'azathioprine derivative'/de OR 'azathioprine'/de OR

'tioguanine'/de OR thiopurine\*:ti,ab,rn,tn OR azathioprine\*:ti,ab,rn,tn OR mercaptopurine\*:ti,ab,rn,tn OR thioguanine\*:ti,ab,rn,tn OR 'salazosulfapyridine'/de OR 'mesalazine'/de OR 'balsalazide'/de OR 'olsalazine'/de OR '5 asa\*':ti,ab,rn,tn OR 5asa\*:ti,ab,rn,tn OR 'aminosalicylic acid\*':ti,ab,rn,tn OR aminosalicylate\*:ti,ab,rn,tn OR sulfasalazine\*:ti,ab,rn,tn OR sulphasalazine\*:ti,ab,rn,tn OR mesalazine\*:ti,ab,rn,tn OR mesalamine\*:ti,ab,rn,tn OR balsalazide\*:ti,ab,rn,tn OR olsalazine\*:ti,ab,rn,tn OR 'probiotic agent'/de OR 'prebiotic agent'/de OR 'mutaflor'/de OR 'synbiotic agent'/de OR 'vsl3'/de OR prebiotic\*:ti,ab,rn,tn OR probiotic\*:ti,ab,rn,tn OR 'nissle 1917':ti,ab,rn,tn OR 'vsl 3':ti,ab,rn,tn OR 'anti tnf\*':ti,ab,rn,tn OR antitnf\*:ti,ab,rn,tn OR 'antitumor\*r necrosis factor\*':ti,ab,rn,tn OR 'tumo\*r necrosis factor\*':ti,ab,rn,tn OR infliximab\*:ti,ab,rn,tn OR certolizumab\*:ti,ab,rn,tn OR adalimumab\*:ti,ab,rn,tn OR golimumab\*:ti,ab,rn,tn OR 'tumor necrosis factor inhibitor'/de OR 'infliximab'/de OR 'certolizumab pegol'/de OR 'adalimumab'/de OR 'golimumab'/de OR 'cyclosporin'/de OR 'cyclosporin a'/de OR ciclosporin\*:ti,ab,rn,tn OR cyclosporin\*:ti,ab,rn,tn OR 'salvage therapy'/de OR 'salvage therapy':ti,ab OR 'vedolizumab'/de OR vedolizu\*:ti,ab,rn,tn OR 'anti integrin\*':ti,ab,rn,tn OR antiintegrin\*:ti,ab,rn,tn OR alpha4beta7:ti,ab,rn,tn OR 'maintenance therapy'/de OR 'drug maintenance':ti,ab OR 'maintenance therap\*':ti,ab OR 'maintenance treatment\*':ti,ab OR een:ti,ab OR 'exclusive enteral nutrition':ti,ab OR fodmap:ti,ab OR lofflex:ti,ab OR ((elemental OR 'semi elemental' OR polymeric) NEAR/3 (diet\* OR nutrition)):ti,ab OR 'enteric feeding'/de OR 'elemental diet'/de OR 'diet therapy'/de OR antimicrob\*:ti,ab,rn,tn OR 'anti microb\*':ti,ab,rn,tn OR rifaximin\*:ti,ab,rn,tn OR tetracycline\*:ti,ab,rn,tn OR clarithromycin\*:ti,ab,rn,tn OR amoxicillin\*:ti,ab,rn,tn OR 'clavulanic acid\*':ti,ab,rn,tn OR doxycycline\*:ti,ab,rn,tn OR antibiotic\*:ti,ab,rn,tn OR antimicrobial\*:ti,ab,rn,tn OR metronidazole\*:ti,ab,rn,tn OR ciprofloxacin\*:ti,ab,rn,tn OR imidazole\*:ti,ab,rn,tn OR augmentin\*:ti,ab,rn,tn OR 'co amoxiclav\*':ti,ab,rn,tn OR coamoxiclav\*:ti,ab,rn,tn OR 'anti tuberculous':ti,ab,rn,tn OR 'anti map':ti,ab,rn,tn OR 'anti mycobacterium':ti,ab,rn,tn OR 'antibiotic agent'/exp OR 'tuberculostatic agent'/exp OR 'alicaforsen'/de OR alicaforsen:ti,ab,rn,tn OR isis2302:ti,ab,rn,tn OR 'isis 2302':ti,ab,rn,tn OR (icam\* NEAR/3 (antisense OR 'anti sense')):ti,ab,rn,tn OR 'ast 120'/de OR kremezin\*:ti,ab,rn,tn OR ast120:ti,ab,rn,tn OR 'ast 120':ti,ab,rn,tn OR 'methotrexate derivative'/de OR 'methotrexate'/de OR amethopterin\*:ti,ab,rn,tn OR methotrexate\*:ti,ab,rn,tn OR 'tacrolimus'/de OR tacrolimus\*:ti,ab,rn,tn OR 'fk 506':ti,ab,rn,tn OR fk506:ti,ab,rn,tn OR fujimycin\*:ti,ab,rn,tn OR 'nonsteroid antiinflammatory agent'/exp OR 'nonsteroid\* antiinflammatory':ti,ab,rn,tn OR 'non-steroid\* anti-inflammatory':ti,ab,rn,tn OR nsaid\*:ti,ab,rn,tn OR ibuprofen\*:ti,ab,rn,tn OR diclofenac\*:ti,ab,rn,tn OR naproxen\*:ti,ab,rn,tn OR aspirin\*:ti,ab,rn,tn OR 'cyclooxygenase 2 inhibitor'/exp OR ((cox2 OR 'cox 2' OR cyclooxygenase) NEAR/3 inhibitor\*):ti,ab,rn,tn OR etoricoxib:ti,ab,rn,tn OR celecoxib:ti,ab,rn,tn OR 'fecal microbiota transplantation'/de OR ((fecal OR faecal OR stool) NEAR/3 transplant\*):ti,ab OR 'ustekinumab'/de OR cnto1275:ti,ab,rn,tn OR 'cnto 1275':ti,ab,rn,tn OR ustekinumab:ti,ab,rn,tn OR 'autologous hematopoietic stem cell transplantation'/de OR 'stem cell transplant\*':ti,ab OR 'hemopoetic stem cell\*':ti,ab OR 'haemopoetic stem cell\*':ti,ab OR 'apheresis'/de OR 'leukocyte apheresis':ti,ab OR 'thalidomide'/de OR 'thalidomide derivative'/de OR thalidomide\*:ti,ab,rn,tn OR immunoprin\*:ti,ab,rn,tn OR 'mesenchymal stem cell'/de OR 'mesencymal stem cell\*':ti,ab OR 'allopurinol'/de OR 'allopurinol plus benzbromarone'/de OR 'allopurinol riboside'/de OR allopurinol\*:ti,ab,rn,tn OR 'psychotherapy'/exp OR 'psychological therap\*':ti,ab OR 'psychological treatment\*':ti,ab OR psychotherap\*:ti,ab OR hypnotherap\*:ti,ab OR hypnosis:ti,ab OR hypnoses:ti,ab OR 'cognitive behavioral therap\*':ti,ab OR 'cognitive behavioural therap\*':ti,ab OR cbt:ti,ab OR 'talking therap\*':ti,ab OR mindfulness\*:ti,ab OR 'alternative medicine'/de OR 'aromatherapy'/de OR 'acupuncture'/exp OR 'chinese medicine'/de OR 'herbal medicine'/de OR 'reflexology'/de OR 'homeopathy'/de OR 'osteopathic medicine'/de OR 'chiropractic'/de OR acupuncture\*:ti,ab OR 'herbal therap\*':ti,ab OR herbalism:ti,ab OR 'herbal medicine':ti,ab OR phytotherap\*:ti,ab OR reflexolog\*:ti,ab OR aromatherap\*:ti,ab OR homeopath\*:ti,ab OR osteopath\*:ti,ab OR chiropract\*:ti,ab OR 'chinese medicine\*':ti,ab OR ((complementary OR alternative) NEAR/3 (medicine\* OR therap\* OR treatment\*)):ti,ab OR 'curcumin'/de OR 'turmeric'/de OR curcumin:ti,ab OR turmeric:ti,ab OR 'cannabinoid'/de OR 'cannabinoid derivative'/de OR cannabinoid\*:ti,ab OR medipen\*:ti,ab OR 'aloe vera'/de OR ('cattle'/de OR 'bovine'/de AND 'colostrum'/de) OR 'boswellia serrata'/de OR 'elm'/de OR 'plant medicinal product'/de OR aloe:ti,ab OR wheatgrass\*:ti,ab OR 'wheat grass\*':ti,ab OR 'bovine colostrum':ti,ab OR 'boswellia serrata':ti,ab OR 'slippery elm':ti,ab OR kefir:ti,ab OR kefir:ti,ab OR kefir:ti,ab OR kefir:ti,ab OR marshmallow:ti,ab OR 'agents used in inflammatory bowel disease'/exp) NOT ('animal'/de OR 'animal tissue'/de OR 'animal cell'/de OR 'animal model'/de OR 'animal experiment'/de OR 'nonhuman'/de NOT 'human'/exp) NOT ('editorial':it OR 'letter':it OR 'note':it) 56273

#112 'editorial':it OR 'letter':it OR 'note':it 2141274

#111 'inflammatory bowel disease'/de OR 'Crohn disease'/exp OR 'ulcerative Colitis'/de OR 'inflammatory bowel disease\*':ti,ab OR ibd:ti,ab OR ibdu.ti,ab OR 'ibd u':ti,ab OR Crohn\*:ti,ab OR 'regional enteritis':ti,ab OR 'granulomatous enteritis':ti,ab OR 'granulomatous Colitis':ti,ab OR ileoColitis:ti,ab OR 'terminal ileitis':ti,ab OR 'regional ileitis':ti,ab OR 'ulcerative Colitis':ti,ab OR 'indeterminate Colitis':ti,ab OR asuc:ti,ab OR 'idiopathic proctoColitis':ti,ab OR 'Colitis gravis':ti,ab OR proctitis:ti,ab OR 'proctitis'/exp OR 'pouchitis'/de OR 'ileitis'/de OR pouchitis:ti,ab OR 'orofacial granulomatosis'/de OR 'orofacial granulomatos\*':ti,ab OR 'granulomatous cheilitis':ti,ab OR 'cheilitis granulomatosa':ti,ab OR 'cheilitis granulomatosis':ti,ab OR 'oral granulomatosis':ti,ab AND ('steroid'/exp OR steroid\*:ti,ab,rn,tn OR corticosteroid\*:ti,ab,rn,tn OR glucocorticoid\*:ti,ab,rn,tn OR prednisolone\*:ti,ab,rn,tn OR prednisone\*:ti,ab,rn,tn OR methylprednisolone\*:ti,ab,rn,tn OR hydrocortisone\*:ti,ab,rn,tn OR cortisone\*:ti,ab,rn,tn OR dexamethasone\*:ti,ab,rn,tn OR beclomethasone\*:ti,ab,rn,tn OR betametasone\*:ti,ab,rn,tn OR budesonide\*:ti,ab,rn,tn OR clipper\*:ti,ab,rn,tn OR 'mercaptopurine'/de OR 'azathioprine derivative'/de OR 'azathioprine'/de OR 'tioguanine'/de OR thiopurine\*:ti,ab,rn,tn OR azathioprine\*:ti,ab,rn,tn OR mercaptopurine\*:ti,ab,rn,tn OR thioguanine\*:ti,ab,rn,tn OR 'salazosulfapyridine'/de OR 'mesalazine'/de OR 'balsalazide'/de OR 'olsalazine'/de OR '5 asa\*':ti,ab,rn,tn OR 5asa\*:ti,ab,rn,tn OR 'aminosalicylic acid\*':ti,ab,rn,tn OR aminosalicylate\*:ti,ab,rn,tn OR sulfasalazine\*:ti,ab,rn,tn OR sulphasalazine\*:ti,ab,rn,tn OR mesalazine\*:ti,ab,rn,tn OR mesalamine\*:ti,ab,rn,tn OR balsalazide\*:ti,ab,rn,tn OR olsalazine\*:ti,ab,rn,tn OR 'probiotic agent'/de OR 'prebiotic agent'/de OR 'mutaflor'/de OR 'synbiotic agent'/de OR 'vsl3'/de OR prebiotic\*:ti,ab,rn,tn OR probiotic\*:ti,ab,rn,tn OR 'nissle 1917':ti,ab,rn,tn OR 'vsl 3':ti,ab,rn,tn OR 'anti tnf\*':ti,ab,rn,tn OR antitnf\*:ti,ab,rn,tn OR 'antitumor\* r necrosis factor\*':ti,ab,rn,tn OR 'tumo\* r necrosis factor\*':ti,ab,rn,tn OR infliximab\*:ti,ab,rn,tn OR certolizumab\*:ti,ab,rn,tn OR adalimumab\*:ti,ab,rn,tn OR golimumab\*:ti,ab,rn,tn OR 'tumor necrosis factor inhibitor'/de OR 'infliximab'/de OR 'certolizumab pegol'/de OR 'adalimumab'/de OR 'golimumab'/de OR 'cyclosporin'/de OR 'cyclosporin a'/de OR ciclosporin\*:ti,ab,rn,tn OR cyclosporin\*:ti,ab,rn,tn OR 'salvage therapy'/de OR 'salvage therapy':ti,ab OR 'vedolizumab'/de OR vedolizu\*:ti,ab,rn,tn OR 'anti integrin\*':ti,ab,rn,tn OR antiintegrin\*:ti,ab,rn,tn OR alpha4beta7:ti,ab,rn,tn OR 'maintenance therapy'/de OR 'drug maintenance':ti,ab OR 'maintenance therap\*':ti,ab OR 'maintenance treatment\*':ti,ab OR een:ti,ab OR 'exclusive enteral nutrition':ti,ab OR fodmap:ti,ab OR lofflex:ti,ab OR ((elemental OR 'semi elemental' OR polymeric) NEAR/3 (diet\* OR nutrition)):ti,ab OR 'enteric feeding'/de OR 'elemental diet'/de OR 'diet therapy'/de OR antimicrob\*:ti,ab,rn,tn OR 'anti microb\*':ti,ab,rn,tn OR rifaximin\*:ti,ab,rn,tn OR tetracycline\*:ti,ab,rn,tn OR clarithromycin\*:ti,ab,rn,tn OR amoxicillin\*:ti,ab,rn,tn OR 'clavulanic acid\*':ti,ab,rn,tn OR doxycycline\*:ti,ab,rn,tn OR antibiotic\*:ti,ab,rn,tn OR antimicrobial\*:ti,ab,rn,tn OR metronidazole\*:ti,ab,rn,tn OR ciprofloxacin\*:ti,ab,rn,tn OR imidazole\*:ti,ab,rn,tn OR augmentin\*:ti,ab,rn,tn OR 'co amoxiclav\*':ti,ab,rn,tn OR coamoxiclav\*:ti,ab,rn,tn OR 'anti tuberculous':ti,ab,rn,tn OR 'anti map':ti,ab,rn,tn OR 'anti mycobacterium':ti,ab,rn,tn OR 'antibiotic agent'/exp OR 'tuberculostatic agent'/exp OR 'alicaforsen'/de OR alicaforsen:ti,ab,rn,tn OR isis2302:ti,ab,rn,tn OR 'isis 2302':ti,ab,rn,tn OR (icam\* NEAR/3 (antisense OR 'anti sense')):ti,ab,rn,tn OR 'ast 120'/de OR kremezin\*:ti,ab,rn,tn OR ast120:ti,ab,rn,tn OR 'ast 120':ti,ab,rn,tn OR 'methotrexate derivative'/de OR 'methotrexate'/de OR amethopterin\*:ti,ab,rn,tn OR methotrexate\*:ti,ab,rn,tn OR 'tacrolimus'/de OR tacrolimus\*:ti,ab,rn,tn OR 'fk 506':ti,ab,rn,tn OR fk506:ti,ab,rn,tn OR fujimycin\*:ti,ab,rn,tn OR 'nonsteroid antiinflammatory agent'/exp OR 'nonsteroid\* antiinflammatory':ti,ab,rn,tn OR 'non-steroid\* anti-inflammatory':ti,ab,rn,tn OR nsaid\*:ti,ab,rn,tn OR ibuprofen\*:ti,ab,rn,tn OR diclofenac\*:ti,ab,rn,tn OR naproxen\*:ti,ab,rn,tn OR aspirin\*:ti,ab,rn,tn OR 'cyclooxygenase 2 inhibitor'/exp OR ((cox2 OR 'cox 2' OR cyclooxygenase) NEAR/3 inhibitor\*):ti,ab,rn,tn OR etoricoxib:ti,ab,rn,tn OR celecoxib:ti,ab,rn,tn OR 'fecal microbiota transplantation'/de OR ((fecal OR faecal OR stool) NEAR/3 transplant\*):ti,ab OR 'ustekinumab'/de OR cnto1275:ti,ab,rn,tn OR 'cnto 1275':ti,ab,rn,tn OR ustekinumab:ti,ab,rn,tn OR 'autologous hematopoietic stem cell transplantation'/de OR 'stem cell transplant\*':ti,ab OR 'hemopoetic stem cell\*':ti,ab OR 'haemopoetic stem cell\*':ti,ab OR 'apheresis'/de OR 'leukocyte apheresis':ti,ab OR 'thalidomide'/de OR 'thalidomide derivative'/de OR thalidomide\*:ti,ab,rn,tn OR immunoprin\*:ti,ab,rn,tn OR 'mesenchymal stem cell'/de OR 'mesencymal stem cell\*':ti,ab OR 'allopurinol'/de OR 'allopurinol plus benzbromarone'/de OR 'allopurinol riboside'/de OR allopurinol\*:ti,ab,rn,tn OR 'psychotherapy'/exp OR 'psychological therap\*':ti,ab OR 'psychological treatment\*':ti,ab OR psychotherap\*:ti,ab OR hypnotherap\*:ti,ab OR hypnosis:ti,ab OR hypnoses:ti,ab OR 'cognitive behavioral therap\*':ti,ab OR 'cognitive behavioural therap\*':ti,ab OR cbt:ti,ab OR 'talking therap\*':ti,ab OR

mindfulness\*:ti,ab OR 'alternative medicine'/de OR 'aromatherapy'/de OR 'acupuncture'/exp OR 'chinese medicine'/de OR 'herbal medicine'/de OR 'reflexology'/de OR 'homeopathy'/de OR 'osteopathic medicine'/de OR 'chiropractic'/de OR acupuncture\*:ti,ab OR 'herbal therap\*':ti,ab OR herbalism:ti,ab OR 'herbal medicine':ti,ab OR phytotherap\*:ti,ab OR reflexolog\*:ti,ab OR aromatherap\*:ti,ab OR homeopath\*:ti,ab OR osteopath\*:ti,ab OR chiropract\*:ti,ab OR 'chinese medicine\*':ti,ab OR ((complementary OR alternative) NEAR/3 (medicine\* OR therap\* OR treatment\*)):ti,ab OR 'curcumin'/de OR 'turmeric'/de OR curcumin:ti,ab OR turmeric:ti,ab OR 'cannabinoid'/de OR 'cannabinoid derivative'/de OR cannabinoid\*:ti,ab OR medipen\*:ti,ab OR 'aloe vera'/de OR ('cattle'/de OR 'bovine'/de AND 'colostrum'/de) OR 'boswellia serrata'/de OR 'elm'/de OR 'plant medicinal product'/de OR aloe:ti,ab OR wheatgrass\*:ti,ab OR 'wheat grass\*':ti,ab OR 'bovine colostrum':ti,ab OR 'boswellia serrata':ti,ab OR 'slippery elm':ti,ab OR kefir:ti,ab OR kefir:ti,ab OR kefir:ti,ab OR marshmallow:ti,ab OR 'agents used in inflammatory bowel disease'/exp) NOT ('animal'/de OR 'animal tissue'/de OR 'animal cell'/de OR 'animal model'/de OR 'animal experiment'/de OR 'nonhuman'/de NOT 'human'/exp) 62290

#110 'animal'/de OR 'animal tissue'/de OR 'animal cell'/de OR 'animal model'/de OR 'animal experiment'/de OR 'nonhuman'/de NOT 'human'/exp 5530900

#109 'human'/exp 17935664

#108 'animal'/de OR 'animal tissue'/de OR 'animal cell'/de OR 'animal model'/de OR 'animal experiment'/de OR 'nonhuman'/de 7127281

#107 'inflammatory bowel disease'/de OR 'Crohn disease'/exp OR 'ulcerative Colitis'/de OR 'inflammatory bowel disease\*':ti,ab OR ibd:ti,ab OR ibdu:ti,ab OR 'ibd u':ti,ab OR Crohn\*:ti,ab OR 'regional enteritis':ti,ab OR 'granulomatous enteritis':ti,ab OR 'granulomatous Colitis':ti,ab OR ileoColitis:ti,ab OR 'terminal ileitis':ti,ab OR 'regional ileitis':ti,ab OR 'ulcerative Colitis':ti,ab OR 'indeterminate Colitis':ti,ab OR asuc:ti,ab OR 'idiopathic proctoColitis':ti,ab OR 'Colitis gravis':ti,ab OR proctitis:ti,ab OR 'proctitis'/exp OR 'pouchitis'/de OR 'ileitis'/de OR pouchitis:ti,ab OR 'orofacial granulomatosis'/de OR 'orofacial granulomatos\*':ti,ab OR 'granulomatous cheilitis':ti,ab OR 'cheilitis granulomatos\*':ti,ab OR 'cheilitis granulomatosis':ti,ab OR 'oral granulomatosis':ti,ab AND ('steroid'/exp OR steroid\*:ti,ab,rn,tn OR corticosteroid\*:ti,ab,rn,tn OR glucocorticoid\*:ti,ab,rn,tn OR prednisolone\*:ti,ab,rn,tn OR prednisone\*:ti,ab,rn,tn OR methylprednisolone\*:ti,ab,rn,tn OR hydrocortisone\*:ti,ab,rn,tn OR cortisone\*:ti,ab,rn,tn OR dexamethasone\*:ti,ab,rn,tn OR beclomethasone\*:ti,ab,rn,tn OR betametasone\*:ti,ab,rn,tn OR budesonide\*:ti,ab,rn,tn OR clipper\*:ti,ab,rn,tn OR 'mercaptipurine'/de OR 'azathioprine derivative'/de OR 'azathioprine'/de OR 'tioguanine'/de OR thiopurine\*:ti,ab,rn,tn OR azathioprine\*:ti,ab,rn,tn OR mercaptopurine\*:ti,ab,rn,tn OR thioguanine\*:ti,ab,rn,tn OR 'salazosulapyridine'/de OR 'mesalazine'/de OR 'balsalazide'/de OR 'olsalazine'/de OR '5 asa\*':ti,ab,rn,tn OR 5asa\*:ti,ab,rn,tn OR 'aminosalicylic acid\*':ti,ab,rn,tn OR aminosalicylate\*:ti,ab,rn,tn OR sulfasalazine\*:ti,ab,rn,tn OR sulphasalazine\*:ti,ab,rn,tn OR mesalazine\*:ti,ab,rn,tn OR mesalamine\*:ti,ab,rn,tn OR balsalazide\*:ti,ab,rn,tn OR olsalazine\*:ti,ab,rn,tn OR 'probiotic agent'/de OR 'prebiotic agent'/de OR 'mutaflor'/de OR 'synbiotic agent'/de OR 'vsl3'/de OR prebiotic\*:ti,ab,rn,tn OR probiotic\*:ti,ab,rn,tn OR 'nissle 1917':ti,ab,rn,tn OR 'vsl 3':ti,ab,rn,tn OR 'anti tnf\*':ti,ab,rn,tn OR antitnf\*:ti,ab,rn,tn OR 'antitumor\*r necrosis factor\*':ti,ab,rn,tn OR 'tumor\*r necrosis factor\*':ti,ab,rn,tn OR infliximab\*:ti,ab,rn,tn OR certolizumab\*:ti,ab,rn,tn OR adalimumab\*:ti,ab,rn,tn OR golimumab\*:ti,ab,rn,tn OR 'tumor necrosis factor inhibitor'/de OR 'infliximab'/de OR 'certolizumab pegol'/de OR 'adalimumab'/de OR 'golimumab'/de OR 'cyclosporin'/de OR 'cyclosporin a'/de OR ciclosporin\*:ti,ab,rn,tn OR cyclosporin\*:ti,ab,rn,tn OR 'salvage therapy'/de OR 'salvage therapy':ti,ab OR 'vedolizumab'/de OR vedolizu\*:ti,ab,rn,tn OR 'anti integrin\*':ti,ab,rn,tn OR antiintegrin\*:ti,ab,rn,tn OR alpha4beta7:ti,ab,rn,tn OR 'maintenance therapy'/de OR 'drug maintenance':ti,ab OR 'maintenance therap\*':ti,ab OR 'maintenance treatment\*':ti,ab OR een:ti,ab OR 'exclusive enteral nutrition':ti,ab OR fodmap:ti,ab OR lofflex:ti,ab OR ((elemental OR 'semi elemental' OR polymeric) NEAR/3 (diet\* OR nutrition)):ti,ab OR 'enteric feeding'/de OR 'elemental diet'/de OR 'diet therapy'/de OR antimicrob\*:ti,ab,rn,tn OR 'anti microb\*':ti,ab,rn,tn OR rifaximin\*:ti,ab,rn,tn OR tetracycline\*:ti,ab,rn,tn OR clarithromycin\*:ti,ab,rn,tn OR amoxicillin\*:ti,ab,rn,tn OR 'clavulanic acid\*':ti,ab,rn,tn OR doxycycline\*:ti,ab,rn,tn OR antibiotic\*:ti,ab,rn,tn OR antimicrobial\*:ti,ab,rn,tn OR metronidazole\*:ti,ab,rn,tn OR ciprofloxacin\*:ti,ab,rn,tn OR imidazole\*:ti,ab,rn,tn OR augmentin\*:ti,ab,rn,tn OR 'co amoxiclav\*':ti,ab,rn,tn OR coamoxiclav\*:ti,ab,rn,tn OR 'anti tuberculous':ti,ab,rn,tn OR 'anti map':ti,ab,rn,tn OR 'anti mycobacterium':ti,ab,rn,tn OR 'antibiotic agent'/exp OR 'tuberculostatic agent'/exp OR 'alicaforsten'/de OR alicaforsten:ti,ab,rn,tn OR isis2302:ti,ab,rn,tn OR 'isis 2302':ti,ab,rn,tn OR (icam\* NEAR/3 (antisense OR 'anti sense')):ti,ab,rn,tn



OR 'ast 120'/de OR kremezin\*:ti,ab,rn,tn OR ast120:ti,ab,rn,tn OR 'ast 120':ti,ab,rn,tn OR 'methotrexate derivative'/de OR 'methotrexate'/de OR amethopterin\*:ti,ab,rn,tn OR methotrexate\*:ti,ab,rn,tn OR 'tacrolimus'/de OR tacrolimus\*:ti,ab,rn,tn OR 'fk 506':ti,ab,rn,tn OR fk506:ti,ab,rn,tn OR fujimycin\*:ti,ab,rn,tn OR 'nonsteroid antiinflammatory agent'/exp OR 'nonsteroid\* antiinflammatory':ti,ab,rn,tn OR 'non-steroid\* anti-inflammatory':ti,ab,rn,tn OR nsaid\*:ti,ab,rn,tn OR ibuprofen\*:ti,ab,rn,tn OR diclofenac\*:ti,ab,rn,tn OR naproxen\*:ti,ab,rn,tn OR aspirin\*:ti,ab,rn,tn OR 'cyclooxygenase 2 inhibitor'/exp OR ((cox2 OR 'cox 2' OR cyclooxygenase) NEAR/3 inhibitor\*):ti,ab,rn,tn OR etoricoxib:ti,ab,rn,tn OR celecoxib:ti,ab,rn,tn OR 'fecal microbiota transplantation'/de OR ((fecal OR faecal OR stool) NEAR/3 transplant\*):ti,ab OR 'ustekinumab'/de OR cnto1275:ti,ab,rn,tn OR 'cnto 1275':ti,ab,rn,tn OR ustekinumab:ti,ab,rn,tn OR 'autologous hematopoietic stem cell transplantation'/de OR 'stem cell transplant\*':ti,ab OR 'hemopoetic stem cell\*':ti,ab OR 'haemopoetic stem cell\*':ti,ab OR 'apheresis'/de OR 'leukocyte apheresis':ti,ab OR 'thalidomide'/de OR 'thalidomide derivative'/de OR thalidomide\*:ti,ab,rn,tn OR immunoprin\*:ti,ab,rn,tn OR 'mesenchymal stem cell'/de OR 'mesencymal stem cell\*':ti,ab OR 'allopurinol'/de OR 'allopurinol plus benzbromarone'/de OR 'allopurinol riboside'/de OR allopurinol\*:ti,ab,rn,tn OR 'psychotherapy'/exp OR 'psychological therap\*':ti,ab OR 'psychological treatment\*':ti,ab OR psychotherap\*:ti,ab OR hypnotherap\*:ti,ab OR hypnosis:ti,ab OR hypnos:ti,ab OR 'cognitive behavioral therap\*':ti,ab OR 'cognitive behavioural therap\*':ti,ab OR cbt:ti,ab OR 'talking therap\*':ti,ab OR 'mindfulness\*':ti,ab OR 'alternative medicine'/de OR 'aromatherapy'/de OR 'acupuncture'/exp OR 'chinese medicine'/de OR 'herbal medicine'/de OR 'reflexology'/de OR 'homeopathy'/de OR 'osteopathic medicine'/de OR 'chiropractic'/de OR acupuncture\*:ti,ab OR 'herbal therap\*':ti,ab OR herbalism:ti,ab OR 'herbal medicine':ti,ab OR phytotherap\*:ti,ab OR reflexolog\*:ti,ab OR aromatherap\*:ti,ab OR homeopath\*:ti,ab OR osteopath\*:ti,ab OR chiropract\*:ti,ab OR 'chinese medicine\*':ti,ab OR ((complementary OR alternative) NEAR/3 (medicine\* OR therap\* OR treatment\*)):ti,ab OR 'curcumin'/de OR 'turmeric'/de OR curcumin:ti,ab OR turmeric:ti,ab OR 'cannabinoid'/de OR 'cannabinoid derivative'/de OR cannabinoid\*:ti,ab OR medipen\*:ti,ab OR 'aloe vera'/de OR ('cattle'/de OR 'bovine'/de AND 'colostrum'/de) OR 'boswellia serrata'/de OR 'elm'/de OR 'plant medicinal product'/de OR aloe:ti,ab OR wheatgrass\*:ti,ab OR 'wheat grass\*':ti,ab OR 'bovine colostrum':ti,ab OR 'boswellia serrata':ti,ab OR 'slippery elm':ti,ab OR kefir:ti,ab OR kefir:ti,ab OR kefir:ti,ab OR kefir:ti,ab OR kefir:ti,ab OR 'agents used in inflammatory bowel disease'/exp) 65432

#106 'steroid'/exp OR steroid\*:ti,ab,rn,tn OR corticosteroid\*:ti,ab,rn,tn OR glucocorticoid\*:ti,ab,rn,tn OR prednisolone\*:ti,ab,rn,tn OR prednisone\*:ti,ab,rn,tn OR methylprednisolone\*:ti,ab,rn,tn OR hydrocortisone\*:ti,ab,rn,tn OR cortisone\*:ti,ab,rn,tn OR dexamethasone\*:ti,ab,rn,tn OR beclomethasone\*:ti,ab,rn,tn OR betametasone\*:ti,ab,rn,tn OR budesonide\*:ti,ab,rn,tn OR clipper\*:ti,ab,rn,tn OR 'mercaptopurine'/de OR 'azathioprine derivative'/de OR 'azathioprine'/de OR 'tioguanine'/de OR thiopurine\*:ti,ab,rn,tn OR azathioprine\*:ti,ab,rn,tn OR mercaptopurine\*:ti,ab,rn,tn OR thioguanine\*:ti,ab,rn,tn OR 'salazosulfapyridine'/de OR 'mesalazine'/de OR 'balsalazide'/de OR 'olsalazine'/de OR '5 asa\*':ti,ab,rn,tn OR 5asa\*:ti,ab,rn,tn OR 'aminosalicylic acid\*':ti,ab,rn,tn OR aminosalicylate\*:ti,ab,rn,tn OR sulfasalazine\*:ti,ab,rn,tn OR sulphasalazine\*:ti,ab,rn,tn OR mesalazine\*:ti,ab,rn,tn OR mesalamine\*:ti,ab,rn,tn OR balsalazide\*:ti,ab,rn,tn OR olsalazine\*:ti,ab,rn,tn OR 'probiotic agent'/de OR 'prebiotic agent'/de OR 'mutaflor'/de OR 'synbiotic agent'/de OR 'vsl3'/de OR prebiotic\*:ti,ab,rn,tn OR probiotic\*:ti,ab,rn,tn OR 'nissle 1917':ti,ab,rn,tn OR 'vsl 3':ti,ab,rn,tn OR 'anti tnf\*':ti,ab,rn,tn OR antitnf\*:ti,ab,rn,tn OR 'antitumor\* r necrosis factor\*':ti,ab,rn,tn OR 'tumo\* r necrosis factor\*':ti,ab,rn,tn OR infliximab\*:ti,ab,rn,tn OR certolizumab\*:ti,ab,rn,tn OR adalimumab\*:ti,ab,rn,tn OR golimumab\*:ti,ab,rn,tn OR 'tumor necrosis factor inhibitor'/de OR 'infliximab'/de OR 'certolizumab pegol'/de OR 'adalimumab'/de OR 'golimumab'/de OR 'cyclosporin'/de OR 'cyclosporin a'/de OR ciclosporin\*:ti,ab,rn,tn OR cyclosporin\*:ti,ab,rn,tn OR 'salvage therapy'/de OR 'salvage therapy':ti,ab OR 'vedolizumab'/de OR vedolizu\*:ti,ab,rn,tn OR 'anti integrin\*':ti,ab,rn,tn OR antiintegrin\*:ti,ab,rn,tn OR alpha4beta7:ti,ab,rn,tn OR 'maintenance therapy'/de OR 'drug maintenance':ti,ab OR 'maintenance therap\*':ti,ab OR 'maintenance treatment\*':ti,ab OR een:ti,ab OR 'exclusive enteral nutrition':ti,ab OR fodmap:ti,ab OR lofflex:ti,ab OR ((elemental OR 'semi elemental' OR polymeric) NEAR/3 (diet\* OR nutrition)):ti,ab OR 'enteric feeding'/de OR 'elemental diet'/de OR 'diet therapy'/de OR antimicrob\*:ti,ab,rn,tn OR 'anti microb\*':ti,ab,rn,tn OR rifaximin\*:ti,ab,rn,tn OR tetracycline\*:ti,ab,rn,tn OR clarithromycin\*:ti,ab,rn,tn OR amoxicillin\*:ti,ab,rn,tn OR 'clavulanic acid\*':ti,ab,rn,tn OR doxycycline\*:ti,ab,rn,tn OR antibiotic\*:ti,ab,rn,tn OR antimicrobial\*:ti,ab,rn,tn OR metronidazole\*:ti,ab,rn,tn OR ciprofloxacin\*:ti,ab,rn,tn OR imidazole\*:ti,ab,rn,tn OR augmentin\*:ti,ab,rn,tn OR 'co amoxiclav\*':ti,ab,rn,tn OR

coamoxiclav\*:ti,ab,rn,tn OR 'anti tuberculous':ti,ab,rn,tn OR 'anti map':ti,ab,rn,tn OR 'anti mycobacterium':ti,ab,rn,tn OR 'antibiotic agent'/exp OR 'tuberculostatic agent'/exp OR 'alicaforsen'/de OR alicaforsen:ti,ab,rn,tn OR isis2302:ti,ab,rn,tn OR 'isis 2302':ti,ab,rn,tn OR (icam\* NEAR/3 (antisense OR 'anti sense')):ti,ab,rn,tn OR 'ast 120'/de OR kremezin\*:ti,ab,rn,tn OR ast120:ti,ab,rn,tn OR 'ast 120':ti,ab,rn,tn OR 'methotrexate derivative'/de OR 'methotrexate'/de OR amethopterin\*:ti,ab,rn,tn OR methotrexate\*:ti,ab,rn,tn OR 'tacrolimus'/de OR tacrolimus\*:ti,ab,rn,tn OR 'fk 506':ti,ab,rn,tn OR fk506:ti,ab,rn,tn OR fujimycin\*:ti,ab,rn,tn OR 'nonsteroid antiinflammatory agent'/exp OR 'nonsteroid\* antiinflammatory':ti,ab,rn,tn OR 'non-steroid\* anti-inflammatory':ti,ab,rn,tn OR nsaid\*:ti,ab,rn,tn OR ibuprofen\*:ti,ab,rn,tn OR diclofenac\*:ti,ab,rn,tn OR naproxen\*:ti,ab,rn,tn OR aspirin\*:ti,ab,rn,tn OR 'cyclooxygenase 2 inhibitor'/exp OR ((cox2 OR 'cox 2' OR cyclooxygenase) NEAR/3 inhibitor\*):ti,ab,rn,tn OR etoricoxib:ti,ab,rn,tn OR celecoxib:ti,ab,rn,tn OR 'fecal microbiota transplantation'/de OR ((fecal OR faecal OR stool) NEAR/3 transplant\*):ti,ab OR 'ustekinumab'/de OR cnto1275:ti,ab,rn,tn OR 'cnto 1275':ti,ab,rn,tn OR ustekinumab:ti,ab,rn,tn OR 'autologous hematopoietic stem cell transplantation'/de OR 'stem cell transplant\*':ti,ab OR 'hemopoetic stem cell\*':ti,ab OR 'haemopoetic stem cell\*':ti,ab OR 'apheresis'/de OR 'leukocyte apheresis':ti,ab OR 'thalidomide'/de OR 'thalidomide derivative'/de OR thalidomide\*:ti,ab,rn,tn OR immunoprin\*:ti,ab,rn,tn OR 'mesenchymal stem cell'/de OR 'mesencymal stem cell\*':ti,ab OR 'allopurinol'/de OR 'allopurinol plus benzbromarone'/de OR 'allopurinol riboside'/de OR allopurinol\*:ti,ab,rn,tn OR 'psychotherapy'/exp OR 'psychological therap\*':ti,ab OR 'psychological treatment\*':ti,ab OR psychotherap\*:ti,ab OR hypnotherap\*:ti,ab OR hypnosis:ti,ab OR hypnoses:ti,ab OR 'cognitive behavioral therap\*':ti,ab OR 'cognitive behavioural therap\*':ti,ab OR cbt:ti,ab OR 'talking therap\*':ti,ab OR mindfulness\*:ti,ab OR 'alternative medicine'/de OR 'aromatherapy'/de OR 'acupuncture'/exp OR 'chinese medicine'/de OR 'herbal medicine'/de OR 'reflexology'/de OR 'homeopathy'/de OR 'osteopathic medicine'/de OR 'chiropractic'/de OR acupuncture\*:ti,ab OR 'herbal therap\*':ti,ab OR herbalism:ti,ab OR 'herbal medicine':ti,ab OR phytotherap\*:ti,ab OR reflexolog\*:ti,ab OR aromatherap\*:ti,ab OR homeopath\*:ti,ab OR osteopath\*:ti,ab OR chiropract\*:ti,ab OR 'chinese medicine\*':ti,ab OR ((complementary OR alternative) NEAR/3 (medicine\* OR therap\* OR treatment\*)):ti,ab OR 'curcumin'/de OR 'turmeric'/de OR curcumin:ti,ab OR turmeric:ti,ab OR 'cannabinoid'/de OR 'cannabinoid derivative'/de OR cannabinoid\*:ti,ab OR medipen\*:ti,ab OR 'aloe vera'/de OR ('cattle'/de OR 'bovine'/de AND 'colostrum'/de) OR 'boswellia serrata'/de OR 'elm'/de OR 'plant medicinal product'/de OR aloe:ti,ab OR wheatgrass\*:ti,ab OR 'wheat grass\*':ti,ab OR 'bovine colostrum':ti,ab OR 'boswellia serrata':ti,ab OR 'slippery elm':ti,ab OR kefin:ti,ab OR kefir:ti,ab OR kephir:ti,ab OR marshmallow:ti,ab OR 'agents used in inflammatory bowel disease'/exp 4025475

#105 'agents used in inflammatory bowel disease'/exp 248456

#104 aloe:ti,ab OR wheatgrass\*:ti,ab OR 'wheat grass\*':ti,ab OR 'bovine colostrum':ti,ab OR 'boswellia serrata':ti,ab OR 'slippery elm':ti,ab OR kefin:ti,ab OR kefir:ti,ab OR kephir:ti,ab OR marshmallow:ti,ab 5081

#103 'plant medicinal product'/de 15998

#102 'elm'/de 349

#101 'boswellia serrata'/de 229

#100 'cattle'/de OR 'bovine'/de AND 'colostrum'/de 1804

#99 'aloe vera'/de 1527

#98 cannabinoid\*:ti,ab OR medipen\*:ti,ab 19522

#97 'cannabinoid'/de OR 'cannabinoid derivative'/de 10621

#96 curcumin:ti,ab OR turmeric:ti,ab 13018

#95 'turmeric'/de 1242

#94 'curcumin'/de 16297

#93 ((complementary OR alternative) NEAR/3 (medicine\* OR therap\* OR treatment\*)):ti,ab 77487

#92 acupuncture\*:ti,ab OR 'herbal therap\*':ti,ab OR herbalism:ti,ab OR 'herbal medicine':ti,ab OR phytotherap\*':ti,ab OR reflexolog\*':ti,ab OR aromatherap\*':ti,ab OR homeopath\*':ti,ab OR osteopath\*':ti,ab OR chiropract\*':ti,ab OR 'chinese medicine\*':ti,ab 77225

#91 'chiropractic'/de 4162

#90 'osteopathic medicine'/de 3869

#89 'homeopathy'/de 9310

#88 'reflexology'/de 554

#87 'chinese medicine'/de OR 'herbal medicine'/de 45897

#86 'acupuncture'/exp 39212

#85 'alternative medicine'/de OR 'aromatherapy'/de 38162

#84 'psychological therap\*':ti,ab OR 'psychological treatment\*':ti,ab OR psychotherap\*':ti,ab OR hypnotherap\*':ti,ab OR hypnosis:ti,ab OR hypnoses:ti,ab OR 'cognitive behavioral therap\*':ti,ab OR 'cognitive behavioural therap\*':ti,ab OR cbt:ti,ab OR 'talking therap\*':ti,ab OR mindfulness\*':ti,ab 87819

#83 'psychotherapy'/exp 229042

#82 allopurinol\*:ti,ab,rn,tn 8458

#81 'allopurinol'/de OR 'allopurinol plus benzbromarone'/de OR 'allopurinol riboside'/de 20274

#80 'mesenchymal stem cell\*':ti,ab 36

#79 'mesenchymal stem cell'/de 35581

#78 thalidomide\*':ti,ab,rn,tn OR immunoprin\*':ti,ab,rn,tn 11287

#77 'thalidomide'/de OR 'thalidomide derivative'/de 24780

#76 'leukocyte apheresis':ti,ab 49

#75 'apheresis'/de 11473

#74 'stem cell transplant\*':ti,ab OR 'hemopoetic stem cell\*':ti,ab OR 'haemopoetic stem cell\*':ti,ab 65260

#73 'autologous hematopoietic stem cell transplantation'/de 5321

#72 cnto1275:ti,ab,rn,tn OR 'cnto 1275':ti,ab,rn,tn OR ustekinumab:ti,ab,rn,tn 1830

#71 'ustekinumab'/de 3295

#70 ((fecal OR faecal OR stool) NEAR/3 transplant\*):ti,ab 1377

#69 'fecal microbiota transplantation'/de 867

#68 etoricoxib:ti,ab,rn,tn OR celecoxib:ti,ab,rn,tn 7796

#67 ((cox2 OR 'cox 2' OR cyclooxygenase) NEAR/3 inhibitor\*):ti,ab,rn,tn 19921

#66 'cyclooxygenase 2 inhibitor'/exp 44798

#65 ibuprofen\*':ti,ab,rn,tn OR diclofenac\*':ti,ab,rn,tn OR naproxen\*':ti,ab,rn,tn OR aspirin\*':ti,ab,rn,tn 134933

#64 'nonsteroid\* antiinflammatory':ti,ab,rn,tn OR 'non-steroid\* anti-inflammatory':ti,ab,rn,tn OR nsaid\*':ti,ab,rn,tn 47766

#63 'nonsteroid antiinflammatory agent'/exp 510300

#62 tacrolimus\*':ti,ab,rn,tn OR 'fk 506':ti,ab,rn,tn OR fk506:ti,ab,rn,tn OR fujimycin\*':ti,ab,rn,tn 36685

#61 'tacrolimus'/de 64764

#60 amethopterin\*':ti,ab,rn,tn OR methotrexate\*':ti,ab,rn,tn 54021

#59 'methotrexate derivative'/de OR 'methotrexate'/de 152494

#58	kremezin*:ti,ab,rn,tn OR ast120:ti,ab,rn,tn OR 'ast 120':ti,ab,rn,tn	340
#57	'ast 120'/de	318
#56	(icam* NEAR/3 (antisense OR 'anti sense')):ti,ab,rn,tn	83
#55	alicaforsen:ti,ab,rn,tn OR isis2302:ti,ab,rn,tn OR 'isis 2302':ti,ab,rn,tn	306
#54	'alicaforsen'/de	423
#53	'tuberculostatic agent'/exp	149479
#52	'antibiotic agent'/exp	1156941
#51	antibiotic*:ti,ab,rn,tn OR antimicrobial*:ti,ab,rn,tn OR metronidazole*:ti,ab,rn,tn OR ciprofloxacin*:ti,ab,rn,tn OR imidazole*:ti,ab,rn,tn OR augmentin*:ti,ab,rn,tn OR 'co amoxiclav*:ti,ab,rn,tn OR coamoxiclav*:ti,ab,rn,tn OR 'anti tuberculous':ti,ab,rn,tn OR 'anti map':ti,ab,rn,tn OR 'anti mycobacterium':ti,ab,rn,tn	522476
#50	antimicrob*:ti,ab,rn,tn OR 'anti microb*':ti,ab,rn,tn OR rifaximin*:ti,ab,rn,tn OR tetracycline*:ti,ab,rn,tn OR clarithromycin*:ti,ab,rn,tn OR amoxicillin*:ti,ab,rn,tn OR 'clavulanic acid*':ti,ab,rn,tn OR doxycycline*:ti,ab,rn,tn	221632
#49	'diet therapy'/de	49555
#48	'enteric feeding'/de OR 'elemental diet'/de	27679
#47	((elemental OR 'semi elemental' OR polymeric) NEAR/3 (diet* OR nutrition)):ti,ab	1666
#46	een:ti,ab OR 'exclusive enteral nutrition':ti,ab OR fodmap:ti,ab OR lofflex:ti,ab	19014
#45	'drug maintenance':ti,ab OR 'maintenance therap*':ti,ab OR 'maintenance treatment*':ti,ab	26799
#44	'maintenance therapy'/de	28858
#43	vedolizu*:ti,ab,rn,tn OR 'anti integrin*':ti,ab,rn,tn OR antiintegrin*:ti,ab,rn,tn OR alpha4beta7:ti,ab,rn,tn	1429
#42	'vedolizumab'/de	1164
#41	'salvage therapy':ti,ab	7161
#40	'salvage therapy'/de	16965
#39	ciclosporin*:ti,ab,rn,tn OR cyclosporin*:ti,ab,rn,tn	63228
#38	'cyclosporin'/de OR 'cyclosporin a'/de	134608
#37	'infliximab'/de OR 'certolizumab pegol'/de OR 'adalimumab'/de OR 'golimumab'/de	46754
#36	'tumor necrosis factor inhibitor'/de	13775
#35	infliximab*:ti,ab,rn,tn OR certolizumab*:ti,ab,rn,tn OR adalimumab*:ti,ab,rn,tn OR golimumab*:ti,ab,rn,tn	25080
#34	'anti tnf*':ti,ab,rn,tn OR antitnf*:ti,ab,rn,tn OR 'antitumor* r necrosis factor*':ti,ab,rn,tn OR 'tumo* r necrosis factor*':ti,ab,rn,tn	148025
#33	prebiotic*:ti,ab,rn,tn OR probiotic*:ti,ab,rn,tn OR 'nissle 1917':ti,ab,rn,tn OR 'vsl 3':ti,ab,rn,tn	23663
#32	'vsl3'/de	534
#31	'synbiotic agent'/de	922
#30	'mutaflor'/de	112
#29	'prebiotic agent'/de	4629
#28	'probiotic agent'/de	23742
#27	'5 asa*':ti,ab,rn,tn OR 5asa*:ti,ab,rn,tn OR 'aminosalicylic acid*':ti,ab,rn,tn OR aminosalicylate*:ti,ab,rn,tn OR sulfasalazine*:ti,ab,rn,tn OR sulphasalazine*:ti,ab,rn,tn OR mesalazine*:ti,ab,rn,tn OR mesalamine*:ti,ab,rn,tn OR balsalazide*:ti,ab,rn,tn OR olsalazine*:ti,ab,rn,tn	14357

#26	'olsalazine'/de	1393
#25	'balsalazide'/de	845
#24	'mesalazine'/de	14864
#23	'salazosulfapyridine'/de	21966
#22	thiopurine*:ti,ab,rn,tn OR azathioprine*:ti,ab,rn,tn OR mercaptopurine*:ti,ab,rn,tn OR thioguanine*:ti,ab,rn,tn	29746
#21	'thioguanine'/de	8932
#20	'azathioprine derivative'/de OR 'azathioprine'/de	82404
#19	'mercaptopurine'/de	24702
#18	steroid*:ti,ab,rn,tn OR corticosteroid*:ti,ab,rn,tn OR glucocorticoid*:ti,ab,rn,tn OR prednisolone*:ti,ab,rn,tn OR prednisone*:ti,ab,rn,tn OR methylprednisolone*:ti,ab,rn,tn OR hydrocortisone*:ti,ab,rn,tn OR cortisone*:ti,ab,rn,tn OR dexamethasone*:ti,ab,rn,tn OR beclomethasone*:ti,ab,rn,tn OR betametasone*:ti,ab,rn,tn OR budesonide*:ti,ab,rn,tn OR clipper*:ti,ab,rn,tn	561837
#17	'steroid'/exp	1358919
#16	'inflammatory bowel disease'/de OR ' Crohn disease'/exp OR 'ulcerative Colitis'/de OR 'inflammatory bowel disease*':ti,ab OR ibd:ti,ab OR ibdu.ti,ab OR 'ibd u':ti,ab OR Crohn*:ti,ab OR 'regional enteritis':ti,ab OR 'granulomatous enteritis':ti,ab OR 'granulomatous Colitis':ti,ab OR ileoColitis:ti,ab OR 'terminal ileitis':ti,ab OR 'regional ileitis':ti,ab OR 'ulcerative Colitis':ti,ab OR 'indeterminate Colitis':ti,ab OR asuc:ti,ab OR 'idiopathic proctoColitis':ti,ab OR 'Colitis gravis':ti,ab OR proctitis:ti,ab OR 'proctitis'/exp OR 'pouchitis'/de OR 'ileitis'/de OR pouchitis:ti,ab OR 'orofacial granulomatosis'/de OR 'orofacial granulomatosis*':ti,ab OR 'granulomatous cheilitis':ti,ab OR 'cheilitis granulomatosa':ti,ab OR 'cheilitis granulomatosis':ti,ab OR 'oral granulomatosis':ti,ab	152006
#15	'oral granulomatosis':ti,ab	5
#14	'cheilitis granulomatosis':ti,ab	4
#13	'cheilitis granulomatosa':ti,ab	172
#12	'granulomatous cheilitis':ti,ab	147
#11	'orofacial granulomatosis*':ti,ab	248
#10	'orofacial granulomatosis'/de	396
#9	'ileitis'/de OR pouchitis:ti,ab	5242
#8	'pouchitis'/de	4852
#7	proctitis:ti,ab OR 'proctitis'/exp	6099
#6	'ulcerative Colitis':ti,ab OR 'indeterminate Colitis':ti,ab OR asuc:ti,ab OR 'idiopathic proctoColitis':ti,ab OR 'Colitis gravis':ti,ab	48244
#5	Crohn*:ti,ab OR 'regional enteritis':ti,ab OR 'granulomatous enteritis':ti,ab OR 'granulomatous Colitis':ti,ab OR ileoColitis:ti,ab OR 'terminal ileitis':ti,ab OR 'regional ileitis':ti,ab	63295
#4	'inflammatory bowel disease*':ti,ab OR ibd:ti,ab OR ibdu.ti,ab OR 'ibd u':ti,ab	62613
#3	'ulcerative Colitis'/de	60781
#2	' Crohn disease'/exp	73571
#1	'inflammatory bowel disease'/de	16970

**A.3: Source: MEDLINE (Update search)**

Interface/URL: Embase.com

Database coverage dates: 1940s to present.

Search date: 21/03/18

Retrieved records: 66472

Search strategy:

#23. #22 AND (medline)/lim 66,472

#22. #21 AND (english)/lim 117,289

#21. #12 NOT #20 136,754

#20. #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 5,545,365

#19. 'identity-by-descent':ti,ab 776

#18. 'inherited bleeding disorder\*':ti,ab 1,373

#17. 'isolation by distance':ti,ab 1,734

#16. 'infectious bursal disease\*':ti,ab 1,653

#15. news:pt OR comment:pt OR editorial:pt OR letter:pt OR 'case reports':pt OR 'case report':ti 261,855

#14. 'case reports' 136,734

#13. 'animals'/exp NOT 'humans'/de 5,160,245

#12. #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 151,762

#11. 'orofacial granulomatous\*':ti,ab OR 'granulomatous cheilitis':ti,ab OR 'cheilitis granulomatosa':ti,ab OR 'cheilitis granulomatosis':ti,ab OR 'oral granulomatosis':ti,ab 321

#10. 'granulomatosis, orofacial'/de 437

#9. 'extensive small bowel disease':ti,ab 19

#8. 'restorative coloproctectomy\*':ti,ab OR 'colonic pouch\*':ti,ab OR 'ileo-anal pouch\*':ti,ab OR 'ileal-anal pullthrough\*':ti,ab OR (('ileal pouch' NEAR/2 anastomos\*):ti,ab) OR (('ileal anal' NEAR/2 anastomos\*):ti,ab) OR (('ileo anal' NEAR/2 anastomos\*):ti,ab) OR ipaa:ti,ab OR 'restorative proctocolectomy':ti,ab 4,248

#7. 'proctocolectomy, restorative'/de OR 'colonic pouches'/de 5,821

#6. pouchitis:ti,ab OR 'pouchitis'/de 5,663

#5. proctitis:ti,ab OR 'proctitis'/de 6,541

#4. 'ulcerative Colitis':ti,ab OR 'indeterminate Colitis':ti,ab OR asuc:ti,ab OR 'idiopathic proctoColitis':ti,ab OR 'Colitis gravis':ti,ab 52,576

#3. Crohn\*:ti,ab OR 'regional enteritis':ti,ab OR 'granulomatous enteritis':ti,ab OR 'granulomatous Colitis':ti,ab OR 'ileoColitis':ti,ab OR 'terminal ileitis':ti,ab OR 'regional ileitis':ti,ab 68,770

#2. 'inflammatory bowel disease\*':ti,ab OR ibd:ti,ab OR ibdu:ti,ab OR 'ibd u':ti,ab 70,259

#1. 'inflammatory bowel diseases'/exp/mj 80,300

### A.3: Source: Embase (Update search)

Interface/URL: Embase.com

Database coverage dates: 1947 to current. Updated daily.

Search date: 21/03/18

Retrieved records: 21921

Search strategy:

```
#118.#113 OR #117          21,921
#117.#116 AND (2012-2018)/py 14,387
#116.#115 AND (english)/lim 19,691
#115.#110 AND #114         19,957
#114.#107 NOT (#108 OR #109) 61,944
#113.#112 NOT (medline)/lim 7,528
#112.#111 AND (english)/lim 35,907
#111.#107 NOT (#108 OR #109 OR #110) 41,987
#110.'conference paper'/exp OR 'conference abstract':it OR 'conference proceeding':it OR 'conference review':it 3,688,888
#109.'editorial':it OR 'letter':it OR 'note':it 2,261,263
#108.('animal'/de OR 'animal tissue'/de OR 'animal cell'/de OR 'animal model'/de OR 'animal experiment'/de OR 'nonhuman'/de) NOT 'human'/exp 5,816,281
#107.#16 AND #106          72,207
#106.#17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29 OR #30 OR #31 OR #32 OR #33 OR #34 OR #35 OR #36 OR
#37 OR #38 OR #39 OR #40 OR #41 OR #42 OR #43 OR #44 OR #45 OR #46 OR #47 OR #48 OR #49 OR #50 OR #51 OR #52 OR #53 OR #54 OR #55 OR #56 OR #57
OR #58 OR #59 OR #60 OR #61 OR #62 OR #63 OR #64 OR #65 OR #66 OR #67 OR #68 OR #69 OR #70 OR #71 OR #72 OR #73 OR #74 OR #75 OR #76 OR #77 OR
#78 OR #79 OR #80 OR #81 OR #82 OR #83 OR #84 OR #85 OR #86 OR #87 OR #88 OR #89 OR #90 OR #91 OR #92 OR #93 OR #94 OR #95 OR #96 OR #97 OR #98
OR #99 OR #100 OR #101 OR #102 OR #103 OR #104 OR #105 4,277,406
#105.'agents used in inflammatory bowel disease'/exp 266,506
#104.aloe:ti,ab OR wheatgrass*:ti,ab OR 'wheat grass':ti,ab OR 'bovine colostrum':ti,ab OR 'boswellia serrata':ti,ab OR 'slippery elm':ti,ab OR kefir:ti,ab OR
kefir:ti,ab OR kephir:ti,ab OR marshmallow:ti,ab 5,615
#103.'plant medicinal product'/de 18,229
#102.'elm'/de 400
#101.'boswellia serrata'/de 258
#100.('cattle'/de OR 'bovine'/de) AND 'colostrum'/de 1,905
#99. 'aloe vera'/de 1,735
#98. cannabinoid*:ti,ab OR medipen*:ti,ab 21,240
#97. 'cannabinoid'/de OR 'cannabinoid derivative'/de 11,435
#96. curcumin:ti,ab OR turmeric:ti,ab 15,022
#95. 'turmeric'/de 1,403
#94. 'curcumin'/de 18,691
#93. ((complementary OR alternative) NEAR/3 (medicine* OR therap* OR treatment*)):ti,ab 85,182
```

- #92. acupuncture\*:ti,ab OR 'herbal therap\*':ti,ab OR herbalism:ti,ab OR 'herbal medicine':ti,ab OR phytotherap\*':ti,ab OR reflexolog\*':ti,ab OR aromatherap\*':ti,ab OR homeopath\*':ti,ab OR osteopath\*':ti,ab OR chiropract\*':ti,ab OR 'chinese medicine\*':ti,ab 83,458
- #91. 'chiropractic'/de 4,372
- #90. 'osteopathic medicine'/de 4,097
- #89. 'homeopathy'/de 9,675
- #88. 'reflexology'/de 617
- #87. 'chinese medicine'/de OR 'herbal medicine'/de 49,200
- #86. 'acupuncture'/exp 41,474
- #85. 'alternative medicine'/de OR 'aromatherapy'/de 40,571
- #84. 'psychological therap\*':ti,ab OR 'psychological treatment\*':ti,ab OR psychotherap\*':ti,ab OR hypnotherap\*':ti,ab OR hypnosis:ti,ab OR hypnoses:ti,ab OR 'cognitive behavioral therap\*':ti,ab OR 'cognitive behavioural therap\*':ti,ab OR cbt:ti,ab OR 'talking therap\*':ti,ab OR mindfulness\*':ti,ab 93,835
- #83. 'psychotherapy'/exp 241,893
- #82. allopurinol\*':ti,ab,rn,tn 8,967
- #81. 'allopurinol'/de OR 'allopurinol plus benzbromarone'/de OR 'allopurinol riboside'/de 21,263
- #80. 'mesencymal stem cell\*':ti,ab 38
- #79. 'mesenchymal stem cell'/de 40,206
- #78. thalidomide\*':ti,ab,rn,tn OR immunoprin\*':ti,ab,rn,tn 11,955
- #77. 'thalidomide'/de OR 'thalidomide derivative'/de 26,040
- #76. 'leukocyte apheresis':ti,ab 52
- #75. 'apheresis'/de 12,507
- #74. 'stem cell transplant\*':ti,ab OR 'hemopoetic stem cell\*':ti,ab OR 'haemopoetic stem cell\*':ti,ab 72,762
- #73. 'autologous hematopoietic stem cell transplantation'/de 5,959
- #72. cnto1275:ti,ab,rn,tn OR 'cnto 1275':ti,ab,rn,tn OR ustekinumab:ti,ab,rn,tn 2,394
- #71. 'ustekinumab'/de 4,235
- #70. ((fecal OR faecal OR stool) NEAR/3 transplant\*):ti,ab 1,931
- #69. 'fecal microbiota transplantation'/de 1,502
- #68. etoricoxib:ti,ab,rn,tn OR celecoxib:ti,ab,rn,tn 8,443
- #67. ((cox2 OR 'cox 2' OR cyclooxygenase) NEAR/3 inhibitor\*):ti,ab,rn,tn 20,642
- #66. 'cyclooxygenase 2 inhibitor'/exp 47,452
- #65. ibuprofen\*':ti,ab,rn,tn OR diclofenac\*':ti,ab,rn,tn OR naproxen\*':ti,ab,rn,tn OR aspirin\*':ti,ab,rn,tn 141,164
- #64. 'nonsteroid\* antiinflammatory':ti,ab,rn,tn OR 51,128  
'non-steroid\* anti-inflammatory':ti,ab,rn,tn OR nsaid\*':ti,ab,rn,tn 141,164
- #63. 'nonsteroid antiinflammatory agent'/exp 675,413
- #62. tacrolimus\*':ti,ab,rn,tn OR 'fk 506':ti,ab,rn,tn OR fk506:ti,ab,rn,tn OR fujimycin\*':ti,ab,rn,tn 39,678
- #61. 'tacrolimus'/de 69,910
- #60. amethopterin\*':ti,ab,rn,tn OR methotrexate\*':ti,ab,rn,tn 58,056



- #59. 'methotrexate derivative'/de OR 'methotrexate'/de 160,882  
 #58. kremezin\*:ti,ab,rn,tn OR ast120:ti,ab,rn,tn OR 'ast 120':ti,ab,rn,tn 362  
 #57. 'ast 120'/de 340  
 #56. (icam\* NEAR/3 (antisense OR 'anti sense')):ti,ab,rn,tn 85  
 #55. alicaforsen:ti,ab,rn,tn OR isis2302:ti,ab,rn,tn OR 'isis 2302':ti,ab,rn,tn 312  
 #54. 'alicaforsen'/de 433  
 #53. 'tuberculostatic agent'/exp 152,857  
 #52. 'antibiotic agent'/exp 1,266,153  
 #51. antibiotic\*:ti,ab,rn,tn OR antimicrobial\*:ti,ab,rn,tn OR metronidazole\*:ti,ab,rn,tn OR ciprofloxacin\*:ti,ab,rn,tn OR imidazole\*:ti,ab,rn,tn OR augmentin\*:ti,ab,rn,tn OR 'co amoxiclav\*':ti,ab,rn,tn OR coamoxiclav\*:ti,ab,rn,tn OR 'anti tuberculous':ti,ab,rn,tn OR 'anti map':ti,ab,rn,tn OR 'anti mycobacterium':ti,ab,rn,tn 564,793  
 #50. antimicrob\*:ti,ab,rn,tn OR 'anti microb\*':ti,ab,rn,tn OR rifaximin\*:ti,ab,rn,tn OR tetracycline\*:ti,ab,rn,tn OR clarithromycin\*:ti,ab,rn,tn OR amoxicillin\*:ti,ab,rn,tn OR 'clavulanic acid\*':ti,ab,rn,tn OR doxycycline\*:ti,ab,rn,tn 242,361  
 #49. 'diet therapy'/de 52,283  
 #48. 'enteric feeding'/de OR 'elemental diet'/de 29,849  
 #47. ((elemental OR 'semi elemental' OR polymeric) NEAR/3 (diet\* OR nutrition)):ti,ab 1,729  
 #46. een:ti,ab OR 'exclusive enteral nutrition':ti,ab OR fodmap:ti,ab OR lofflex:ti,ab 1,717  
 #45. 'drug maintenance':ti,ab OR 'maintenance therap\*':ti,ab OR 'maintenance treatment\*':ti,ab 29,367  
 #44. 'maintenance therapy'/de 32,006  
 #43. vedolizu\*:ti,ab,rn,tn OR 'anti integrin\*':ti,ab,rn,tn OR antiintegrin\*:ti,ab,rn,tn OR alpha4beta7:ti,ab,rn,tn 1,900  
 #42. 'vedolizumab'/de 1,740  
 #41. 'salvage therapy':ti,ab 7,995  
 #40. 'salvage therapy'/de 18,764  
 #39. ciclosporin\*:ti,ab,rn,tn OR cyclosporin\*:ti,ab,rn,tn 65,777  
 #38. 'cyclosporin'/de OR 'cyclosporin a'/de 140,047  
 #37. 'infliximab'/de OR 'certolizumab pegol'/de OR 'adalimumab'/de OR 'golimumab'/de 51,910  
 #36. 'tumor necrosis factor inhibitor'/de 15,375  
 #35. infliximab\*:ti,ab,rn,tn OR certolizumab\*:ti,ab,rn,tn OR adalimumab\*:ti,ab,rn,tn OR golimumab\*:ti,ab,rn,tn 28,299  
 #34. 'anti tnf\*':ti,ab,rn,tn OR antitnf\*:ti,ab,rn,tn OR 'antitumor\*r necrosis factor\*':ti,ab,rn,tn OR 'tumo\*r necrosis factor\*':ti,ab,rn,tn 159,426  
 #33. prebiotic\*:ti,ab,rn,tn OR probiotic\*:ti,ab,rn,tn OR 'nissle 1917':ti,ab,rn,tn OR 'vsl 3':ti,ab,rn,tn 27,278  
 #32. 'vsl3'/de 584  
 #31. 'synbiotic agent'/de 1,133  
 #30. 'mutaflor'/de 114  
 #29. 'prebiotic agent'/de 5,407  
 #28. 'probiotic agent'/de 26,981

#27. '5 asa\*:ti,ab,rn,tn OR 5asa\*:ti,ab,rn,tn OR 'aminosalicylic acid\*:ti,ab,rn,tn OR aminosalicylate\*:ti,ab,rn,tn OR sulfasalazine\*:ti,ab,rn,tn OR sulphasalazine\*:ti,ab,rn,tn OR mesalazine\*:ti,ab,rn,tn OR mesalamine\*:ti,ab,rn,tn OR balsalazide\*:ti,ab,rn,tn OR olsalazine\*:ti,ab,rn,tn 15,366

#26. 'olsalazine'/de 1,411

#25. 'balsalazide'/de 864

#24. 'mesalazine'/de 15,861

#23. 'salazosulfapyridine'/de 23,063

#22. thiopurine\*:ti,ab,rn,tn OR azathioprine\*:ti,ab,rn,tn OR mercaptopurine\*:ti,ab,rn,tn OR thioguanine\*:ti,ab,rn,tn 31,812

#21. 'tioguanine'/de 9,110

#20. 'azathioprine derivative'/de OR 'azathioprine'/de 86,389

#19. 'mercaptopurine'/de 25,602

#18. steroid\*:ti,ab,rn,tn OR corticosteroid\*:ti,ab,rn,tn OR glucocorticoid\*:ti,ab,rn,tn OR prednisolone\*:ti,ab,rn,tn OR prednisone\*:ti,ab,rn,tn OR methylprednisolone\*:ti,ab,rn,tn OR hydrocortisone\*:ti,ab,rn,tn OR cortisone\*:ti,ab,rn,tn OR dexamethasone\*:ti,ab,rn,tn OR beclomethasone\*:ti,ab,rn,tn OR betametasone\*:ti,ab,rn,tn OR budesonide\*:ti,ab,rn,tn OR clipper\*:ti,ab,rn,tn 597,733

#17. 'steroid'/exp 1,430,581

#16. #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 165,834

#15. 'oral granulomatosis':ti,ab 5

#14. 'cheilitis granulomatosis':ti,ab 4

#13. 'cheilitis granulomatosa':ti,ab 166

#12. 'granulomatous cheilitis':ti,ab 153

#11. 'orofacial granulomatosis':ti,ab 261

#10. 'orofacial granulomatosis'/de 437

#9. 'ileitis'/de OR pouchitis:ti,ab 5,663

#8. 'pouchitis'/de 5,250

#7. proctitis:ti,ab OR 'proctitis'/exp 6,541

#6. 'ulcerative Colitis':ti,ab OR 'indeterminate Colitis':ti,ab OR asuc:ti,ab OR 'idiopathic proctoColitis':ti,ab OR 'Colitis gravis':ti,ab 52,576

#5. Crohn\*:ti,ab OR 'regional enteritis':ti,ab OR 'granulomatous enteritis':ti,ab OR 'granulomatous Colitis':ti,ab OR ileoColitis:ti,ab OR 'terminal ileitis':ti,ab OR 'regional ileitis':ti,ab 68,770

#4. 'inflammatory bowel disease\*':ti,ab OR ibd:ti,ab OR ibdu:ti,ab OR 'ibd u':ti,ab 70,219

#3. 'ulcerative Colitis'/de 65,542

#2. ' Crohn disease'/exp 79,459

#1. 'inflammatory bowel disease'/de 21,381

## Supplementary Appendix 3: Statements failing to reach 80% consensus agreement in final eDelphi voting round

### Crohn's disease:

- Combination immunomodulator therapy with adalimumab may be used to reduce immunogenicity (GRADE: weak recommendation, very low-quality evidence. Agreement:75%)
- Patients with severe Crohn's disease refractory to multiple therapies may be considered for haematopoietic stem cell transplantation in expert centres after full discussion of the potential toxicity and consideration of other alternative treatment options (GRADE: strong recommendation, very low-quality evidence. Agreement: 75%)
- Refractory complex perianal fistulizing Crohn's disease may be treated with expanded allogeneic adipose derived stem cell therapy (GRADE: weak recommendation, low-quality evidence. Agreement: 61.8%)
- Crohn's disease patients undergoing ileocolonic resection may be offered metronidazole for three months to reduce risk of recurrence, after discussion about potential side-effects particularly neuropathy (GRADE: weak recommendation, low-quality evidence. Agreement: 68.6%)

### Common disease considerations:

- Anti-TNF therapy for Crohn's patients should be discontinued where possible prior to elective surgery. If not appropriate to stop, then timing of injections should be arranged to have as long a gap as possible prior to the operation (GRADE: weak recommendation, low-quality evidence. Agreement: 77.8%)
- Vedolizumab and ustekinumab should be avoided during pregnancy. If no alternative therapeutic strategy exists, the benefits and risks should be discussed with the patient as part of pre-conception counselling (GRADE: weak recommendation, very low-quality evidence. Agreement: 79.1%)
- Serum anti-TNF drug and anti-drug antibody concentrations may be measured after induction therapy, once in a steady state, in order to optimise therapy (GRADE: weak recommendation, low-quality evidence. Agreement: 78.6%)