

## Supplementary Material

### Search strategies used in the systematic review of disease activity indices in celiac disease

#### *Medline (Ovid 1946-present)*

- 1 exp celiac disease/
- 2 celiac.ti.
- 3 coeliac.ti.
- 4 gluten.ti.
- 5 sprue.ti.
- 6 or/1-5
- 7 biomark\*.ab,ti.
- 8 IgA\*.ab,ti.
- 9 REG 1a.ab,ti.
- 10 HLA\*.ab,ti.
- 11 CTLA-4.ab,ti.
- 12 IL-2.ab,ti.
- 13 IL-21.ab,ti.
- 14 CCR\*.ab,ti.
- 15 IL-12A.ab,ti.
- 16 IL-18R1.ab,ti.
- 17 IL-18RAP.ab,ti.
- 18 RGS1.ab,ti.
- 19 or/7-18
- 20 exp pathology/
- 21 histopath\*.ab,ti.
- 22 histol\*.ab,ti.
- 23 biops\*.ab,ti.
- 24 or/20-23
- 25 Marsh.ab,ti.
- 26 Ensari.ab,ti.
- 27 classification.ab,ti.
- 28 score\*.ab,ti.
- 29 scale\*.ab,ti.
- 30 scali\*.ab,ti.
- 31 index.ab,ti.
- 32 indice\*.ab,ti.
- 33 grade\*.ab,ti.
- 34 gradin\*.ab,ti.
- 35 or/25-34
- 36 Celiac Disease Questionnaire.ab,ti.
- 37 Quality of life.ab,ti.
- 38 HRQL.ab,ti.
- 39 QOL.ab,ti.
- 40 Celiac Symptom Index.ab,ti.
- 41 or/36-40
- 42 19 or 24 or 35 or 41
- 43 6 and 42

*Embase (Ovid 1984-present)*

- 1 exp celiac disease/
- 2 celiac.ti.
- 3 coeliac.ti.
- 4 gluten.ti.
- 5 sprue.ti.
- 6 or/1-5
- 7 biomark\*.ab,ti.
- 8 IgA\*.ab,ti.
- 9 REG 1a.ab,ti.
- 10 HLA\*.ab,ti.
- 11 CTLA-4.ab,ti.
- 12 IL-2.ab,ti.
- 13 IL-21.ab,ti.
- 14 CCR\*.ab,ti.
- 15 IL-12A.ab,ti.
- 16 IL-18R1.ab,ti.
- 17 IL-18RAP.ab,ti.
- 18 RGS1.ab,ti.
- 19 or/7-18
- 20 exp pathology/
- 21 histopath\*.ab,ti.
- 22 histol\*.ab,ti.
- 23 biops\*.ab,ti.
- 24 or/20-23
- 25 Marsh.ab,ti.
- 26 Ensari.ab,ti.
- 27 classification.ab,ti.
- 28 score\*.ab,ti.
- 29 scale\*.ab,ti.
- 30 scali\*.ab,ti.
- 31 index.ab,ti.
- 32 indice\*.ab,ti.
- 33 grade\*.ab,ti.
- 34 gradin\*.ab,ti.
- 35 or/25-34
- 36 Celiac Disease Questionnaire.ab,ti.
- 37 Quality of life.ab,ti.
- 38 HRQL.ab,ti.
- 39 QOL.ab,ti.
- 40 Celiac Symptom Index.ab,ti.
- 41 or/36-40
- 42 19 or 24 or 35 or 41
- 43 6 and 42

*CENTRAL (The Cochrane Library)*

#1 - MeSH descriptor: [Celiac Disease] explode all trees

## Complete list of references corresponding to studies meeting eligibility criteria (N=286)

1. Abid N, McGlone O, Cardwell C, McCallion W, Carson D. Clinical and metabolic effects of gluten free diet in children with type 1 diabetes and coeliac disease. *Pediatric Diabetes*. 2011;12(4 Pt 1):322-5.
2. Acerini CL, Ahmed ML, Ross KM, Sullivan PB, Bird G, Dunger DB. Coeliac disease in children and adolescents with IDDM: Clinical characteristics and response to Gluten-free diet. *Diabetic Medicine*. 1998;15(1):38-44.
3. Adelman D, Essenmacher K, Garber M, Marcantonio A, Wu TT, Brantner TL, et al. The gluten-free diet alone does not control symptoms and mucosal injury in many patients with celiac disease. *Gastroenterology*. 2015;1):S280.
4. Adelman D, Gribben DJ, Marcantonio A, Wu TT, Murray JA. Celiac disease patients attempting adherence to a gluten-free diet who continue to have moderate or severe symptoms have clinically significant mucosal injury. *Gastroenterology*. 2014;1):S-351.
5. Adelman D, Lahdeaho ML, Kaukinen K, Laurila K, Marcantonio A, Maki M. Modulation of gluten-induced duodenal mucosal injury in celiac disease: Results of a randomized controlled phase 2 clinical trial of oral administered gluten-specific proteases in seronegative celiac disease patients (clinicaltrials.gov nct01255696). *Gastroenterology*. 2012;1):S277-S8.
6. Adelman D, Leffler D, Lebwohl B, Nehra V, Hansen J, Minaya MT, et al. Celiac disease symptom frequency and severity using a disease-specific patient-reported outcome diary: Observations from a psychometric validation study in 202 patients. *American Journal of Gastroenterology*. 2012;107:S603.
7. Agardh D, Lee HS, Kurppa K, Simell V, Aronsson CA, Jorneus O, et al. Clinical features of celiac disease: A prospective birth cohort. *Pediatrics*. 2015;135(4):627-34.
8. Agardh D, Lynch K, Brundin C, Ivarsson SA, Lernmark A, Cilio CM. Reduction of tissue transglutaminase autoantibody levels by gluten-free diet is associated with changes in subsets of peripheral blood lymphocytes in children with newly diagnosed coeliac disease. *Clinical & Experimental Immunology*. 2006;144(1):67-75.
9. Aggarwal A, Bhadada S, Rastogi A, Bhansali A, Kochhar R. Comparison of outcomes in patients with celiac disease alone with those of celiac disease and type 1 diabetes mellitus. *American Journal of Gastroenterology*. 2012;107:S123.
10. Aitoro R, Tosco A, Ponticelli D, Primario M, Paccone M, Gagliardi S, et al. Celiac mucosa still produces anti-tissue transglutaminase2 antibodies after two years of a gluten free diet. *Digestive and Liver Disease*. 2013;45:e276.
11. Al-Toma A, Goerres MS, Meijer JW, von Blomberg BM, Wahab PJ, Kerckhaert JA, et al. Cladribine therapy in refractory celiac disease with aberrant T cells. *Clinical Gastroenterology & Hepatology*. 2006;4(11):1322-7; quiz 00.
12. Annibale B, Severi C, Chistolini A, Antonelli G, Lahner E, Marcheggiano A, et al. Efficacy of gluten-free diet alone on recovery from iron deficiency anemia in adult celiac patients. *American Journal of Gastroenterology*. 2001;96(1):132-7.
13. Ashkenazi A, Levin S, Miskin A. Immunoglobulin levels in children with celiac disease: variations with age and diet. *Israel Journal of Medical Sciences*. 1980;16(12):843-6.
14. Ashworth CT, Chears WC, Jr. Follow-up of intestinal biopsy in nontropical sprue after gluten-free diet and remission. *Federation Proceedings*. 1962;21:880-90.
15. Azam M. Normalization of duodenal histology after treatment with gluten-free diet in adults with celiac sprue: An irish experience. *Gastroenterology*. 2009;1):A471-A2.
16. Bai JC, Sambuelli A, Niveloni S, Sugai E, Mazure R, Kogan Z, et al. Alpha 1-antitrypsin clearance as an aid in the management of patients with celiac disease. *American Journal of Gastroenterology*. 1991;86(8):986-91.

17. Bai JC, Sambuelli A, Sugai E, Pedreira S, Kogan Z, Boerr LA, et al. Gluten challenge in patients with celiac disease: evaluation of alpha 1-antitrypsin clearance. *American Journal of Gastroenterology*. 1991;86(3):312-6.
18. Baker PG, Barry RE, Read AE. Detection of continuing gluten ingestion in treated coeliac patients. *British Medical Journal*. 1975;1(5956):486-8.
19. Balamtekin N, Baysoy G, Uslu N, Orhan D, Akcoren Z, Ozen H, et al. Fecal calprotectin concentration is increased in children with celiac disease: relation with histopathological findings. *Turkish Journal of Gastroenterology*. 2012;23(5):503-8.
20. Balamtekin N, Demir H, Uslu N, Demir G, Orhan D, Akcoren Z, et al. Fecal calprotectin concentrations in children with untreated coeliac disease. *Journal of Pediatric Gastroenterology and Nutrition*. 2009;48:E95-E6.
21. Bannister E, Cameron DJ, Oliver MR, Alex G, Webb A, Catto-Smith AG, et al. Accuracy of coeliac serology as a marker of duodenal mucosal recovery in children with coeliac disease on a gluten-free diet. *Journal of Gastroenterology and Hepatology*. 2011;26:91-2.
22. Bannister EG, Cameron DJ, Ng J, Chow CW, Oliver MR, Alex G, et al. Can celiac serology alone be used as a marker of duodenal mucosal recovery in children with celiac disease on a gluten-free diet? *American Journal of Gastroenterology*. 2014;109(9):1478-83.
23. Bardella MT, Fredella C, Prampolini L, Molteni N, Giunta AM, Bianchi PA. Body composition and dietary intakes in adult celiac disease patients consuming a strict gluten-free diet. *American Journal of Clinical Nutrition*. 2000;72(4):937-9.
24. Bardella MT, Molteni N, Quatrini M. Clinical, biochemical and histological abnormalities in adult celiac patients on gluten-free diet. *Gastroenterologie Clinique et Biologique*. 1985;9(11):787-9.
25. Barratt SM, Leeds JS, Sanders DS. Factors influencing the type, timing and severity of symptomatic responses to dietary gluten in patients with biopsy-proven coeliac disease. *Journal of Gastrointestinal & Liver Diseases*. 2013;22(4):391-6.
26. Basha J, Appasani S, Khaliq A, Kant Sinha S, Prasad KK, Dutta U, et al. Reliability of anti-transglutaminase antibodies as predictors of gluten-free diet compliance in adult celiac disease. *Journal of Gastroenterology and Hepatology*. 2012;27:401.
27. Basha J, Appasani S, Khaliq A, Kant Sinha S, Prasad KK, Nain CK, et al. Correlation of anti-tTG antibodies with clinical, laboratory, endoscopic, histological features and response to treatment in patients with adult celiac disease. *Journal of Gastroenterology and Hepatology*. 2012;27:401.
28. Basile JM, Hammerle C, Crowe SE. A 10-year retrospective study of non-responsive and refractory celiac disease at a tertiary care center. *Gastroenterology*. 2011;1):S36.
29. Basso D, Guariso G, Fogar P, Meneghel A, Zambon CF, Navaglia F, et al. Antibodies against synthetic deamidated gliadin peptides for celiac disease diagnosis and follow-up in children. *Clinical Chemistry*. 2009;55(1):150-7.
30. Bazzigaluppi E, Roggero P, Parma B, Brambillasca MF, Meroni F, Mora S, et al. Antibodies to recombinant human tissue-transglutaminase in coeliac disease: diagnostic effectiveness and decline pattern after gluten-free diet. *Digestive & Liver Disease*. 2006;38(2):98-102.
31. Belei O, Simedrea I, Daescu C, Marcovici T, Antonie F, Brad G. Quality of life and gluten free diet compliance at celiac disease Romanian children. *Journal of Pediatric Gastroenterology and Nutrition*. 2010;50:E58.
32. Beltran L, Koenig M, Egner W, Howard M, Butt A, Austin MR, et al. High-titre circulating tissue transglutaminase-2 antibodies predict small bowel villous atrophy, but decision cut-off limits must be locally validated. *Clinical & Experimental Immunology*. 2014;176(2):190-8.

33. Bhasin TS, Mannan R, Malhotra V, Sood N, Sood A, Bhatia PK. Histological recovery profiles of patients with celiac disease- An Indian perspective. *Journal of Clinical and Diagnostic Research*. 2010;4(2):2217-25.
34. Bhinder V, Basha J, Appasani S, Khaliq A, Devi Th S, Sinha SK, et al. Can BMI predict severity of adult celiac disease? *Indian Journal of Gastroenterology*. 2012;1):A33.
35. Biagetti C, Naspi G, Catassi C. Health-related quality of life in children with celiac disease: a study based on the Critical Incident Technique. *Nutrients*. 2013;5(11):4476-85.
36. Biagi F, Vattiato C, Agazzi S, Balduzzi D, Schiepatti A, Gobbi P, et al. A second duodenal biopsy is necessary in the follow-up of adult coeliac patients. *Annals of Medicine*. 2014;46(6):430-3.
37. Bianchi P, Biagi F, Marchese A, Trotta L, Vattiato C, Brusco G, et al. The gluten-free diet questionnaire: A prospective evaluation. *Digestive and Liver Disease*. 2010;42:S117-S8.
38. Biasioli F. Application of PTR-TOF-MS to investigate metabolites in exhaled breath of patients affected by coeliac disease under gluten free diet. *Journal of chromatography*. 2014;B, Analytical technologies in the biomedical and life sciences. 966:208-13.
39. Bode S, Hassager C, Gudmand-Hoyer E, Christiansen C. Body composition and calcium metabolism in adult treated coeliac disease. *Gut*. 1991;32(11):1342-5.
40. Bolt RJ, Parrish JA, French AB, Pollard HM. Adult Coeliac Disease. Histologic Results of Long-Term Low Gluten Diet. *Annals of Internal Medicine*. 1964;60:581-6.
41. Bonamico M, Culasso F, Pitzalis G, Mariani P, Morellini M, Procopio A, et al. Beta 2-microglobulin levels in celiac disease. *Journal of Pediatric Gastroenterology & Nutrition*. 1990;11(3):330-6.
42. Bosio L, Barera G, Mistura L, Sassi G, Bianchi C. Growth acceleration and final height after treatment for delayed diagnosis of celiac disease. *Journal of Pediatric Gastroenterology & Nutrition*. 1990;11(3):324-9.
43. Bragde H, Jansson U, Jarlsfelt I, Soderman J. Gene expression profiling of duodenal biopsies discriminates celiac disease mucosa from normal mucosa. *Pediatric Research*. 2011;69(6):530-7.
44. Brambilla P, Picca M, Dilillo D, Meneghin F, Cravidi C, Tischer MC, et al. Changes of body mass index in celiac children on a gluten-free diet. *Nutrition Metabolism & Cardiovascular Diseases*. 2013;23(3):177-82.
45. Bramble MG, Watson AJ, Scott J, Peters TJ, Record CO. Clinical, biochemical and morphological responses of patients with villous atrophy to oral betamethasone valerate and clobetasone butyrate. *Digestion* [Internet]. 1981; 22(6):[281-8 pp.]. Available from: <http://onlinelibrary.wiley.com/o/cochrane/clcentral/articles/267/CN-00027267/frame.html>.
46. Bramble MG, Zucoloto S, Wright NA, Record CO. Acute gluten challenge in treated adult coeliac disease: a morphometric and enzymatic study. *Gut*. 1985;26(2):169-74.
47. Brar P, Lee S, Lewis S, Egbuna I, Bhagat G, Green PHR. Budesonide in the treatment of refractory celiac disease. *American Journal of Gastroenterology*. 2007;102(10):2265-9.
48. Burgin-Wolff A, Dahlbom I, Hadziselimovic F, Petersson CJ. Antibodies against human tissue transglutaminase and endomysium in diagnosing and monitoring coeliac disease. *Scandinavian Journal of Gastroenterology*. 2002;37(6):685-91.
49. Burrows R, Leiva L, Burgueno M, Lillo R, Pumarino H, Rios G, et al. Bone mineral density (BMD) in children with celiac disease (CD): Its relation to puberty and calcium intake. *Nutrition Research*. 1999;19(4):493-9.
50. Bystrom IM, Hollen E, Falth-Magnusson K, Johansson A. Health-related quality of life in children and adolescents with celiac disease: from the perspectives of children and parents. *Gastroenterology research & practice*. 2012;2012:986475.
51. Cammarota G, Cuoco L, Cesaro P, Santoro L, Cazzato A, Montalto M, et al. A highly accurate method for monitoring histological recovery in patients with celiac disease on a

gluten-free diet using an endoscopic approach that avoids need for biopsy: A double-center study. *Endoscopy*. 2007;39(1):46-51.

52. Campanella J, Biagi F, Bianchi PI, Zanellati G, Marchese A, Corazza GR. Clinical response to gluten withdrawal is not an indicator of coeliac disease. *Scandinavian Journal of Gastroenterology*. 2008;43(11):1311-4.

53. Canepa M, Buffa D, Rossi P, Vignola G, Marengo G. Ultrastructural aspects of the jejunal mucosa in malabsorption syndromes. [Italian]

Aspetti ultrastrutturali della mucosa digiunale nel corso di sindromi da malassorbimento. *Minerva pediatrica*. 1969;21(19):849-66.

54. Carbone MC, Pitzalis G, Ferri M, Nenna R, Thanasi E, Andreoli A, et al. Body composition in coeliac disease adolescents on a gluten-free diet: a longitudinal study. *Acta diabetologica [Internet]*. 2003; 40 Suppl 1:[S171-3 pp.].

55. Carroccio A, Ambrosiano G, Di Prima L, Pirrone G, Iacono G, Florena AM, et al. Clinical symptoms in celiac patients on a gluten-free diet. *Scandinavian Journal of Gastroenterology*. 2008;43(11):1315-21.

56. Carroccio A, Brusca I, Iacono G, Alessio MG, Sonzogni A, Di Prima L, et al. IgA anti-actin antibodies ELISA in coeliac disease: a multicentre study. *Digestive & Liver Disease*. 2007;39(9):818-23.

57. Casella S, Zanini B, Lanzarotto F, Magni A, Caselani F, Romanelli G, et al. Cognitive impairment during gluten free diet (GFD) in elderly coeliac patients. *Gastroenterology*. 2011;1):S440.

58. Casella S, Zanini B, Lanzarotto F, Villanacci V, Magni A, Caselani F, et al. Clinical characteristics of celiac disease and response to gluten free diet are different in elderly and in younger patients. *Digestive and Liver Disease*. 2011;43:S234.

59. Casella S, Zanini B, Lanzarotto F, Villanacci V, Magni A, Caselani F, et al. Coeliac disease (CD) in the elderly: Clinical, serological and histological characteristics, and effect of gluten free diet. *Gastroenterology*. 2011;1):S442.

60. Casella S, Zanini B, Lanzarotto F, Villanacci V, Ricci C, Lanzini A. Celiac disease in elderly adults: clinical, serological, and histological characteristics and the effect of a gluten-free diet. *Journal of the American Geriatrics Society*. 2012;60(6):1064-9.

61. Casellas F, De Torres I, Malagelada JR. Follow-up of celiac disease with D-xylose breath test. *Digestive Diseases & Sciences*. 1996;41(10):2106-11.

62. Casellas F, Rodrigo L, Lucendo AJ, Molina-Infante J, Vivas S, Fernandez-Banares F, et al. Effects of adherence to gluten-free diet on quality of life in adult celiac disease patients. *Gastroenterology*. 2015;1):S282.

63. Castellaneta S, Piccinno E, Frezza E, Oliva M, Fontana C, Capriari T, et al. Natural history of celiac disease in a large cohort of 419 prospectively enrolled type one diabetes children: A single centre experience. *Digestive and Liver Disease*. 2012;44:S284-S5.

64. Catassi C, Fabiani E, Iacono G, D'Agate C, Francavilla R, Biagi F, et al. A prospective, double-blind, placebo-controlled trial to establish a safe gluten threshold for patients with celiac disease. *American Journal of Clinical Nutrition*. 2007;85(1):160-6.

65. Catassi C, Rossini M, Ratsch IM, Bearzi I, Santinelli A, Castagnani R, et al. Dose dependent effects of protracted ingestion of small amounts of gliadin in coeliac disease children: a clinical and jejunal morphometric study. *Gut*. 1993;34(11):1515-9.

66. Cecere F, Pollio G, Mangione A, Pisano P, De Anseris AG, Albano R, et al. Efficacy of gluten free diet in coeliac patients with associated idiopathic thrombocytopenic purpura (ITP). *Haematologica*. 2009;94:225.

67. Chang MS, Minaya MT, Cheng J, Connor BA, Lewis SK, Green PHR. Double-blind randomized controlled trial of rifaximin for persistent symptoms in patients with celiac disease. *Digestive Diseases and Sciences*. 2011;56(10):2939-46.
68. Chapman BL, Henry K, Paice F, Coghill NF, Stewart JS. Measuring the response of the jejunal mucosa in adult coeliac disease to treatment with a gluten-free diet. *Gut*. 1974;15(11):870-4.
69. Cheng J, Brar PS, Lee AR, Green PHR. Body mass index in celiac disease: Beneficial effect of a gluten-free diet. *Journal of clinical gastroenterology*. 2010;44(4):267-71.
70. Chouliaras G, Margoni D, Ducas G, Voskaki I, Voutsas N, Papadopoulou A, et al. Bone health in children with celiac disease assessed by dual x-ray absorptiometry: Effect of gluten-free diet and predictive value of serum biochemical indices. *Journal of Pediatric Gastroenterology and Nutrition*. 2011;52:E129-E30.
71. Choung RS, Murray JA, Marietta E, Van Dyke CT, Brantner TL, Ross AB. Alkylresorcinols, indicator for gluten consumption in celiac disease patients. *Gastroenterology*. 2015;1):S327.
72. Ciacci C, Iovino P, Amoroso D, Siniscalchi M, Tortora R, Di Gilio A, et al. Grown-up coeliac children: the effects of only a few years on a gluten-free diet in childhood. *Alimentary Pharmacology & Therapeutics*. 2005;21(4):421-9.
73. Ciacci C, Maiuri L, Russo I, Tortora R, Bucci C, Cappello C, et al. Efficacy of budesonide therapy in the early phase of treatment of adult coeliac disease patients with malabsorption: an in vivo/in vitro pilot study. *Clinical & Experimental Pharmacology & Physiology*. 2009;36(12):1170-6.
74. Ciacci C, Peluso G, Iannoni E, Siniscalchi M, Iovino P, Rispo A, et al. L-Carnitine in the treatment of fatigue in adult celiac disease patients. A pilot study. *Digestive and Liver Disease*. 2007;39(10):922-8.
75. Ciclitira PJ, Cerio R, Ellis HJ. Evaluation of a gliadin-containing gluten-free product in coeliac patients. *Human Nutrition: Clinical Nutrition*. 1985;39(4):303-8.
76. Corazza GR, Di Sario A, Cecchetti L, Tarozzi C, Corrao G, Bernardi M, et al. Bone mass and metabolism in patients with celiac disease. *Gastroenterology*. 1995;109(1):122-8.
77. Cornell HJ, Macrae FA, Melny J, Pizzey CJ, Cook F, Mason S, et al. Enzyme therapy for management of coeliac disease. *Scandinavian Journal of Gastroenterology*. 2005;40(11):1304-12.
78. Cummins AG, Alexander BG, Chung A, Teo E, Woenig JA, Field JB, et al. Morphometric evaluation of duodenal biopsies in celiac disease. *American Journal of Gastroenterology*. 2011;106(1):145-50.
79. Damen GM, Boersma B, Wit JM, Heymans HS. Catch-up growth in 60 children with celiac disease. *Journal of Pediatric Gastroenterology & Nutrition*. 1994;19(4):394-400.
80. Daveson AJ, Jones DM, Gaze S, McSorley H, Clouston A, Pascoe A, et al. Effect of hookworm infection on wheat challenge in celiac disease--a randomised double-blinded placebo controlled trial. *PloS one [Internet]*. 2011; 6(3):[e17366 p.].
81. Daveson AJM, Jones D, McSorley H, Gaze S, McCarthy J, Clouston A, et al. A phase 2A randomized double blinded placebo controlled study evaluating immunity and gluten sensitivity by inoculating coeliac disease patients with the human hookworm necator americanus. *Journal of Gastroenterology and Hepatology*. 2009;24:A221-A2.
82. Daveson AJM, Jones D, McSorley H, Gaze S, McCarthy J, Clouston AD, et al. A randomized, double blinded, placebo controlled, study evaluating immunity and gluten-sensitivity by inoculating coeliac disease patients with the human hookworm necator americanus. *Gastroenterology*. 2009;1):A471.

83. Davies-Shaw J, Marcon MA, Assor E, Cutz E, Noordin K, Sahota K, et al. A randomized controlled trial to evaluate the efficacy and safety of a gluten-free diet in patients with asymptomatic celiac disease and type 1 diabetes. *Celiac disease and diabetes-dietary intervention and evaluation trial (CD-DIET)*. *Pediatric Diabetes*. 2014;15:114.
  84. De Lorenzo A, Di Campli C, Andreoli A, Sasso GF, Bonamico M, Gasbarrini A. Assessment of body composition by bioelectrical impedance in adolescent patients with celiac disease. *American Journal of Gastroenterology*. 1999;94(10):2951-5.
  85. de Rosa A, Troncone A, Vacca M, Ciacci C. Characteristics and quality of illness behavior in celiac disease. *Psychosomatics*. 2004;45(4):336-42.
  86. Della Valle N, Prencipe S, De Francesco V, Trotta A, Giorgio F, Falco S, et al. Body composition and dietary intakes in adult coeliac disease patients from Southern Italy consuming a strict gluten-free diet. *Digestive and Liver Disease*. 2010;42:S175.
  87. Dewar DH, Donnelly SC, McLaughlin SD, Johnson MW, Ellis HJ, Ciclitira PJ. Celiac disease: management of persistent symptoms in patients on a gluten-free diet. *World Journal of Gastroenterology*. 2012;18(12):1348-56.
  88. Dhooria G, Goyal N, Sobti PC, Jain BK. Impact of gluten free diet on clinical profiles and anthropometry in different age groups of children with celiac disease. *Archives of Disease in Childhood*. 2014;99:A284.
  89. Di Domenico MR, Annalisa S, Pluvio R, Iovine C, Rea F. [The role of anti-endomysium and anti-transglutaminase antibodies in the diagnosis and follow-up of celiac disease]. *Pediatria Medica e Chirurgica*. 2002;24(3):208-12.
  90. Di Stefano M, Mengoli C, Bergonzi M, Corazza GR. Bone mass and mineral metabolism alterations in adult celiac disease: pathophysiology and clinical approach. *Nutrients*. 2013;5(11):4786-99.
  91. Di Tola M, Marino M, Casale R, Borghini R, Donato G, Vitolo D, et al. Anti-actin antibodies, fatty acid-binding proteins, and calprotectin as new serological markers in the diagnosis and monitoring of celiac disease. *Gastroenterology*. 2012;1):S276.
  92. Dickey W, Kearney N. Overweight in celiac disease: prevalence, clinical characteristics, and effect of a gluten-free diet. *American Journal of Gastroenterology*. 2006;101(10):2356-9.
  93. Dinari G, Rosenbach Y, Marcus H, Nitzan M, Zahavi I. IgA antigliadin antibodies in childhood celiac disease. *Israel Journal of Medical Sciences*. 1988;24(6):286-90.
  94. Dipper CR, Maitra S, Thomas R, Lamb CA, McLean-Tooke AP, Ward R, et al. Anti-tissue transglutaminase antibodies in the follow-up of adult coeliac disease. *Alimentary Pharmacology & Therapeutics*. 2009;30(3):236-44.
  95. Dorn SD, Hernandez L, Minaya MT, Morris CB, Hu Y, Leserman J, et al. The development and validation of a new coeliac disease quality of life survey (CD-QOL). *Alimentary Pharmacology & Therapeutics*. 2010;31(6):666-75.
  96. Duerksen DR, Wilhelm-Boyles C, Veitch R, Kryszak D, Parry DM. A comparison of antibody testing, permeability testing, and zonulin levels with small-bowel biopsy in celiac disease patients on a gluten-free diet. *Digestive Diseases & Sciences*. 2010;55(4):1026-31.
  97. Dyduch A, Karczewska K, Grzybek H. Morphologic appearance of intestinal microvilli in children with coeliac disease and secondary malabsorption syndromes after gluten-free diet and gluten challenge. [Polish]
- Obraz morfologiczny mikrokosmkow jelitowych u dzieci z celiakia i wtornymi zespolami zaburzen wchlaniania po diecie bezglutenowej i prowokacji glutenem. *Wiadomosci lekarskie (Warsaw, Poland : 1960)*. 1992;45(3-4):94-8.
98. Efthymakis K, Milano A, Laterza F, Serio M, Neri M. Anti-tissue transglutaminase autoantibody levels predict histology in celiac disease: A prospective application of the ESPGHAN guidelines in a symptomatic adult population. *Gastroenterology*. 2015;1):S170.



99. Ertekin V, Selimoglu MA, Turgut A, Bakan N. Fecal calprotectin concentration in celiac disease. *Journal of clinical gastroenterology*. 2010;44(8):544-6.
100. Esposito G, Galli G, Lahner E, Corleto VD, Piloizzi M, Di Giulio E, et al. A validated dietary questionnaire and histological evaluation after 1 yr of GFD are reliable tools to follow-up patients with celiac disease. *Digestive and Liver Disease*. 2013;45:S120.
101. Fabiani E, Catassi C, Villari A, Gismondi P, Pierdomenico R, Ratsch IM, et al. Dietary compliance in screening-detected coeliac disease adolescents. *Acta Paediatrica Supplement*. 1996;412:65-7.
102. Fagundes-Neto U, Stump MV, Wehba J. Catch-up growth after the introduction of a gluten-free diet in children with celiac disease. *Arquivos de Gastroenterologia*. 1981;18(1):30-4.
103. Federico G, Favilli T, Cinquanta L, Ughi C, Saggese G. Effect of celiac disease and gluten-free diet on growth hormone-binding protein, insulin-like growth factor-I, and insulin-like growth factor-binding proteins. *Hormone Research*. 1997;48(3):108-14.
104. Fera T, Cascio B, Angelini G, Martini S, Guidetti CS. Affective disorders and quality of life in adult coeliac disease patients on a gluten-free diet. *European journal of gastroenterology & hepatology*. 2003;15(12):1287-92.
105. Fiore CE, Pennisi P, Ferro G, Ximenes B, Privitelli L, Mangiafico RA, et al. Altered osteoprotegerin/RANKL ratio and low bone mineral density in celiac patients on long-term treatment with gluten-free diet. *Hormone and metabolic research = Hormon- und Stoffwechselforschung = Hormones et métabolisme [Internet]*. 2006; 38(6):[417-22 pp.].
106. Galli G, Esposito G, Lahner E, Piloizzi E, Corleto VD, Di Giulio E, et al. Histological recovery and gluten-free diet adherence: a prospective 1-year follow-up study of adult patients with coeliac disease. *Alimentary Pharmacology & Therapeutics*. 2014;40(6):639-47.
107. Garber M, Siegel M, Pratha V, Spencer A, Kumar P, Botwick WA, et al. ALV003, a combination Oral protease, Is active, safe and tolerable in healthy volunteers and subjects with celiac disease in phase 1 trials. *Gastroenterology*. 2009;1):A35.
108. Garcia-Manzanares A, Tenias JM, Lucendo AJ. Bone mineral density directly correlates with duodenal Marsh stage in newly diagnosed adult celiac patients. *Scandinavian Journal of Gastroenterology*. 2012;47(8-9):927-36.
109. Gatti S, Caporelli N, Galeazzi T, Francavilla R, Barbato M, Roggero P, et al. Oats in the diet of children with celiac disease: preliminary results of a double-blind, randomized, placebo-controlled multicenter Italian study. *Nutrients*. 2013;5(11):4653-64.
110. Gatti S, Romagnoli V, Galeazzi T, Catassi C. Intestinal permeability in celiac disease: Correlations with gluten free diet. *Digestive and Liver Disease*. 2012;44:S263.
111. Goerres MS, Meijer JWR, Wahab PJ, Kerckhaert JAM, Groenen PJTA, Van Krieken JHJM, et al. Azathioprine and prednisone combination therapy in refractory coeliac disease. *Alimentary Pharmacology and Therapeutics*. 2003;18(5):487-94.
112. Goldberg A, Leffler DA, Tariq S, Pallav K, Shah S, Hansen J, et al. Changes in body mass index on the gluten free diet: Risk of obesity. *Gastroenterology*. 2011;1):S439.
113. Gottardi F, Monfredini C, Bolognini S, Martinazzi S, Villanacci V, Ravelli A. How patchy is patchy villous atrophy? Distribution pattern of histological lesions in the duodenum of children with celiac disease. *Digestive and Liver Disease*. 2009;41S (S3):S229.
114. Greco L, D'Adamo G, Truscilli A, Parrilli G, Mayer M, Budillon G. Intestinal permeability after single dose gluten challenge in coeliac disease. *Archives of Disease in Childhood*. 1991;66(7):870-2.
115. Grodzinsky E, Falth-Magnusson K, Hogberg L, Jansson G, Laurin P, Stenhammar L. IgA endomysium antibodies--an early predictor for celiac disease in children without villous atrophy. *Acta Paediatrica*. 2008;97(7):972-6.

116. Hallert C, Grant C, Grehn S, Granno C, Hulten S, Midhagen G, et al. Evidence of poor vitamin status in coeliac patients on a gluten-free diet for 10 years. *Alimentary Pharmacology & Therapeutics*. 2002;16(7):1333-9.
117. Hallert C, Svensson M, Tholstrup J, Hultberg B. Clinical trial: B vitamins improve health in patients with coeliac disease living on a gluten-free diet. *Alimentary pharmacology & therapeutics* [Internet]. 2009; 29(8):[811-6 pp.].
118. Hamilton I, Cobden I, Rothwell J, Axon ATR. Intestinal permeability in coeliac disease: The response to gluten withdrawal and single-dose gluten challenge. *Gut*. 1982;23(3):202-10.
119. Hamilton JR, McNeill LK. Childhood celiac disease: response of treated patients to a small uniform daily dose of wheat gluten. *The Journal of pediatrics*. 1972;81(5):885-93.
120. Haser W, Gold J, Stallmach A, Caspary WF, Stein J. Development and validation of the Celiac Disease Questionnaire (CDQ), a disease-specific health-related quality of life measure for adult patients with celiac disease. *Journal of clinical gastroenterology*. 2007;41(2):157-66.
121. Hauser W, Gold J, Stallmach A, Caspary WF, Stein J. Development and validation of the Celiac Disease Questionnaire (CDQ), a disease-specific health-related quality of life measure for adult patients with celiac disease. *Journal of clinical gastroenterology*. 2007;41(2):157-66.
122. Hauser W, Gold J, Stein J, Caspary WF, Stallmach A. Health-related quality of life in adult coeliac disease in Germany: results of a national survey. *European journal of gastroenterology & hepatology*. 2006;18(7):747-54.
123. Hauser W, Janke KH, Klump B, Gregor M, Hinz A. Anxiety and depression in adult patients with celiac disease on a gluten-free diet. *World Journal of Gastroenterology*. 2010;16(22):2780-7.
124. Hdo De Larramendi C, Jimenez J, Pais T, Campos ML, Barbosa N. Free light chains: Activity marker in celiac disease? *Clinical Chemistry and Laboratory Medicine*. 2014;52:S287.
125. Hermann G, Sandbank J, Kimchi AN, Broide E. Celiac disease heterogeneity versus homogeneity in duodenal biopsies and clinical correlation to Marsh and descriptive pathologic classifications. *Journal of Pediatric Gastroenterology and Nutrition*. 2011;52:E128-E9.
126. Heyman R, Guggenbuhl P, Corbel A, Bridoux-Henno L, Tourtelier Y, Balencon-Morival M, et al. Effect of a gluten-free diet on bone mineral density in children with celiac disease. *Gastroenterologie Clinique et Biologique*. 2009;33(2):109-14.
127. Hoffenberg EJ, Haas J, Drescher A, Barnhurst R, Osberg I, Bao F, et al. A trial of oats in children with newly diagnosed celiac disease. *Journal of Pediatrics*. 2000;137(3):361-6.
128. Hogberg L, Laurin P, Falth-Magnusson K, Grant C, Grodzinsky E, Jansson G, et al. Oats to children with newly diagnosed coeliac disease: a randomised double blind study. *Gut*. 2004;53(5):649-54.
129. Hollen E, Holmgren Peterson K, Sundqvist T, Grodzinsky E, Hogberg L, Laurin P, et al. Coeliac children on a gluten-free diet with or without oats display equal anti-avenin antibody titres. *Scandinavian Journal of Gastroenterology*. 2006;41(1):42-7.
130. Hollon JR, Cureton PA, Martin ML, Puppa EL, Fasano A. Trace gluten contamination may play a role in mucosal and clinical recovery in a subgroup of diet-adherent non-responsive celiac disease patients. *BMC Gastroenterology*. 2013;13:40.
131. Holm K, Maki M, Vuolteenaho N, Mustalahti K, Ashorn M, Ruuska T, et al. Oats in the treatment of childhood coeliac disease: a 2-year controlled trial and a long-term clinical follow-up study. *Alimentary Pharmacology & Therapeutics*. 2006;23(10):1463-72.
132. Holmes GK, Asquith P, Stokes PL, Cooke WT. Cellular infiltrate of jejunal biopsies in adult coeliac disease (ACD) in relation to gluten withdrawal. *Gut*. 1973;14(5):429.

133. Holmes GK, Stokes PL, Sorahan TM, Prior P, Waterhouse JA, Cooke WT. Coeliac disease, gluten-free diet, and malignancy. *Gut*. 1976;17(8):612-9.
134. Hong YY, Kiat C, Byrnes V. Anti-deamidated gliadin peptides rapid test (simtomax) as a simple and quick measure of compliance to gluten free diet in patients with celiac disease. *Gut*. 2013;62:A31.
135. Hopman EGD, Koopman HM, Wit JM, Mearin ML. Dietary compliance and health-related quality of life in patients with coeliac disease. *European Journal of Gastroenterology and Hepatology*. 2009;21(9):1056-61.
136. Hutchinson JM, West NP, Robins GG, Howdle PD. Long-term histological follow-up of people with coeliac disease in a UK teaching hospital. *Qjm*. 2010;103(7):511-7.
137. Hwang HJ, Nachman F, Sugai E, Cabanne A, Vazquez H, Moreno ML, et al. Duodenal histology vs. celiac disease-specific serology: Which is the best tool for assessing compliance with the gluten-free diet at one year after diagnosis? *Acta Gastroenterologica Latinoamericana*. 2013;43 (2):164.
138. Iacucci M, Gui X, Poon T, Love JR, Ghosh S. Patchy histologic changes in symptomatic celiac disease despite gluten free diet is accurately reflected by confocal laser endomicroscopy. *Gastroenterology*. 2014;1):S-9.
139. Ioannou HP, Fotoulaki M, Pavlitou A, Efstratiou I, Augoustides-Savvopoulou P. Plasma citrulline levels in paediatric patients with celiac disease and the effect of a gluten-free diet. *European journal of gastroenterology & hepatology*. 2011;23(3):245-9.
140. Jacobs JD, Stier MW, Semrad CE, Kupfer S. Endoscopic appearance correlates poorly with serology and histology in celiac patients on a gluten free-diet. *Gastroenterology*. 2015;1):S284.
141. Jacobsson LR, Friedrichsen M, Goransson A, Hallert C. Impact of an active patient education program on gastrointestinal symptoms in women with celiac disease following a gluten-free diet: a randomized controlled trial. *Gastroenterology Nursing*. 2012;35(3):200-6.
142. Jahangeer B, Appasani S, Khaliq A, Devi Th S, Sinha SK, Prasad KK, et al. Reliability of anti-transglutaminase antibodies as predictors of gluten-free diet compliance in adult celiac disease. *Indian Journal of Gastroenterology*. 2012;1):A32.
143. Janatuinen EK, Kempainen TA, Julkunen RJ, Kosma VM, Maki M, Heikkinen M, et al. No harm from five year ingestion of oats in coeliac disease. *Gut*. 2002;50(3):332-5.
144. Janatuinen EK, Pikkarainen PH, Kempainen TA, Kosma VM, Jarvinen RM, Uusitupa MI, et al. A comparison of diets with and without oats in adults with celiac disease. *New England Journal of Medicine*. 1995;333(16):1033-7.
145. Jatla M, Bokhari A, Bierly P, Russo P, Verma R. Anthropometric, serologic, and laboratory correlation with villous blunting in pediatric celiac disease: diabetics are different. *Journal of clinical gastroenterology*. 2009;43(7):622-6.
146. Jer HH, Nachman F, Sugai E, Smecuol E, Vazquez H, Moreno ML, et al. Duodenal histology vs. Celiac disease-specific serology: Which is the best tool for assessing compliance with the gluten-free diet at one year after diagnosis? *Gastroenterology*. 2013;1):S202.
147. Jordan NE, Li Y, Magrini D, Simpson S, Reilly NR, Defelice AR, et al. Development and validation of a celiac disease quality of life instrument for North American children. *Journal of Pediatric Gastroenterology & Nutrition*. 2013;57(4):477-86.
148. Kapoor A, Patwari AK, Kumar P, Jain A, Narayan S. Serum soluble interleukin-2 receptor, interleukin-6 and tumor necrosis factor alpha as markers of celiac disease activity. *Indian Journal of Pediatrics*. 2013;80(2):108-13.
149. Kaukinen K, Collin P, Huhtala H, Maki M. Long-term consumption of oats in adult celiac disease patients. *Nutrients*. 2013;5(11):4380-9.
150. Kelly CP, Green PH, Murray JA, Dimarino A, Colatrella A, Leffler DA, et al. Larazotide acetate in patients with coeliac disease undergoing a gluten challenge: a

randomised placebo-controlled study. *Alimentary Pharmacology & Therapeutics*. 2013;37(2):252-62.

151. Kelly CP, Green PH, Murray JA, DiMarino AJ, Arsenescu RI, Colatrella AM, et al. Safety, tolerability and effects on intestinal permeability of larazotide acetate in celiac disease: Results of a phase IIB 6-week gluten-challenge clinical trial. *Gastroenterology*. 2009;1):A474.

152. Kempainen TA, Heikkinen MT, Ristikankare MK, Kosma VM, Sontag-Strohm TS, Brinck O, et al. Unkilned and large amounts of oats in the coeliac disease diet: a randomized, controlled study. *Scandinavian Journal of Gastroenterology*. 2008;43(9):1094-101.

153. Kempainen TA, Kosma VM, Janatuinen EK, Julkunen RJ, Pikkarainen PH, Uusitupa MI. Nutritional status of newly diagnosed celiac disease patients before and after the institution of a celiac disease diet - Association with the grade of mucosal villous atrophy. *American Journal of Clinical Nutrition*. 1998;67(3):482-7.

154. Kluge F, Koch HK, Grosse-Wilde H. Follow-up of treated adult celiac disease: Clinical and morphological studies. *Hepato-Gastroenterology*. 1982;29(1):17-23.

155. Kohout P. Small bowel permeability in diagnosis of celiac disease and monitoring of compliance of a gluten-free diet (gut permeability in celiac disease). *Acta Medica (Hradec Kralove)*. 2001;44(3):101-4.

156. Korponay-Szabo I, Gyimesi J, Castillejo G, Hogen Esch C, Troncone R, Szajewska H, et al. Prospective evaluation of a symptom-antibody-genetics-endoscopy (SAGE) score for coeliac disease diagnosis in a risk cohort. *Journal of Pediatric Gastroenterology and Nutrition*. 2011;52:E34-E5.

157. Korponay-Szabo I, Gyimesi J, Tumpek J, Nemes E, Maki M, Kovacs JB. Development and validation of a simple diagnostic score for coeliac disease (SAGE) based on symptoms, antibodies, HLA genotypes, and biopsy RESULTS. *Journal of Pediatric Gastroenterology and Nutrition*. 2011;52:E35.

158. Korponay-Szabo IR, Tumpek J, Gyimesi J, Laurila K, Papp M, Maki M, et al. Food-grade gluten degrading enzymes to treat dietary transgressions in coeliac adolescents. *Journal of Pediatric Gastroenterology and Nutrition*. 2010;50:E68.

159. Kotze LM, Utiyama SR, Nisihara RM, de Camargo VF, Ioshii SO. IgA class anti-endomysial and anti-tissue transglutaminase antibodies in relation to duodenal mucosa changes in coeliac disease. *Pathology*. 2003;35(1):56-60.

160. Kuitunen M, Savilahti E. Gut permeability to human alpha-lactalbumin, beta-lactoglobulin, mannitol, and lactulose in celiac disease. *Journal of Pediatric Gastroenterology & Nutrition*. 1996;22(2):197-204.

161. Kurien M, Evans KE, Drew K, McAlindon ME, Sidhu RH, Sanders DS. Coeliac disease and persisting symptoms: Should capsule be the next investigation? *Gut*. 2012;61:A34.

162. Kurien M, Evans KE, Sidhu R, Drew K, McAlindon ME, Sanders DS. Evaluating the role of capsule endoscopy in equivocal coeliac disease? *Gut*. 2012;61:A280.

163. Kurochkina OK, Smotrova IA. Late treatment results with a gluten-free diet in celiac disease in adults. [Russian]

Otdalennye rezul'taty lecheniia agliutenovoi dietoi bol'nykh tseliakiei vzroslykh. *Voprosy pitaniia*. 1982(6):43-6.

164. Kurppa K, Ashorn M, Iltanen S, Koskinen LL, Saavalainen P, Koskinen O, et al. Celiac disease without villous atrophy in children: a prospective study. *The Journal of pediatrics*. 2010;157(3):380.e1-.

165. Kurppa K, Collin P, Viljamaa M, Haimila K, Saavalainen P, Partanen J, et al. Diagnosing mild enteropathy celiac disease: a randomized, controlled clinical study. *Gastroenterology*. 2009;136(3):816-23.

166. Kurppa K, Mäki M, Saavalainen P, Partanen J, Collin P, Kaukinen K. Antibodies against deamidated gliadin peptides in the diagnosis and follow-up of mild enteropathy coeliac disease. *Journal of Pediatric Gastroenterology and Nutrition*. 2009;48:E27-E8.
167. Lahdeaho ML, Kaukinen K, Laurila K, Vuotikka P, Koivurova OP, Karja-Lahdensuu T, et al. Glutenase ALV003 attenuates gluten-induced mucosal injury in patients with celiac disease. *Gastroenterology*. 2014;146(7):1649-58.
168. Lanzini A, Lanzarotto F, Villanacci V, Mora A, Bertolazzi S, Turini D, et al. Complete recovery of intestinal mucosa occurs very rarely in adult coeliac patients despite adherence to gluten-free diet. *Alimentary Pharmacology & Therapeutics*. 2009;29(12):1299-308.
169. Lee SK, Lo W, Memeo L, Rotterdam H, Green PH. Duodenal histology in patients with celiac disease after treatment with a gluten-free diet. *Gastrointestinal Endoscopy*. 2003;57(2):187-91.
170. Leffler DA, Edwards George JB, Dennis M, Cook EF, Schuppan D, Kelly CP. A prospective comparative study of five measures of gluten-free diet adherence in adults with coeliac disease. *Alimentary Pharmacology & Therapeutics*. 2007;26(9):1227-35.
171. Leffler DA, Kelly CP, Abdallah HZ, Colatrella AM, Harris LA, Leon F, et al. A randomized, double-blind study of larazotide acetate to prevent the activation of celiac disease during gluten challenge. *American Journal of Gastroenterology*. 2012;107(10):1554-62.
172. Leffler DA, Kelly CP, Green PH, Fedorak RN, DiMarino A, Perrow W, et al. Larazotide acetate for persistent symptoms of celiac disease despite a gluten-free diet: a randomized controlled trial. *Gastroenterology*. 2015;148(7):1311-9.e6.
173. Leffler DA, Schuppan D, Pallav K, Najarian RM, Goldsmith JD, Hansen J, et al. Histologic and serologic kinetics in adults with celiac disease undergoing gluten challenge. *Gastroenterology*. 2012;122(1):S271.
174. Limbach A, Hoepffner W, Tannapfel A, Müller DM, Mothes T, Richter T. Long-term study of patients with coeliac disease in childhood and adolescence: Latent and transient coeliac disease. [German] Verlaufsbeobachtung von zöliakiepatienten im kindes- und jungen erwachsenenalter: Latente oder transiente zöliakie? *Klinische Padiatrie*. 2003;215(2):76-81.
175. Lohiniemi S, Mäki M, Kaukinen K, Laippala P, Collin P. Gastrointestinal symptoms rating scale in coeliac disease patients on wheat starch-based gluten-free diets. *Scandinavian Journal of Gastroenterology*. 2000;35(9):947-9.
176. Maiden L, Elliott T, McLaughlin SD, Ciclitira P. A blinded pilot comparison of capsule endoscopy and small bowel histology in unresponsive celiac disease. *Digestive Diseases & Sciences*. 2009;54(6):1280-3.
177. Malamut G, Matysiak-Budnik T, Grosdider E, Jais JP, Morales E, Damotte D, et al. Adult celiac disease with severe or partial villous atrophy: a comparative study. *Gastroenterologie Clinique et Biologique*. 2008;32(3):236-42.
178. Maurino E, Niveloni S, Chernavsky A, Pedreira S, Mazure R, Vazquez H, et al. Azathioprine in refractory sprue: results from a prospective, open-label study. *American Journal of Gastroenterology*. 2002;97(10):2595-602.
179. Mayer M, Greco L, Troncone R, Auricchio S, Marsh MN. Compliance of adolescents with coeliac disease with a gluten free diet. *Gut*. 1991;32(8):881-5.
180. McMillan SA, Dickey W, Douglas JP, Hughes DF. Transthyretin values correlate with mucosal recovery in patients with coeliac disease taking a gluten free diet. *Journal of clinical pathology*. 2001;54(10):783-6.
181. Midhagen G, Aberg AK, Olcen P, Jarnerot G, Valdimarsson T, Dahlbom I, et al. Antibody levels in adult patients with coeliac disease during gluten-free diet: a rapid initial decrease of clinical importance. *Journal of Internal Medicine*. 2004;256(6):519-24.

182. Midhagen G, Hallert C. High rate of gastrointestinal symptoms in celiac patients living on a gluten-free diet: controlled study. *American Journal of Gastroenterology*. 2003;98(9):2023-6.
183. Mirzaei H, Fung C, Chang J, Leong RWL. Confocal laser endomicroscopy is equivalent to histology in the detection of gluten-free diet efficacy in coeliac disease. *Journal of Gastroenterology and Hepatology (Australia)*. 2014;29:53-4.
184. Misak Z, Jaklin Kekez A, Jadresin O, Hojsak I, Percl M, Kolacek S. Combination of Marsh IIIC mucosal lesion on the first small bowel biopsy and positive antiendomysium antibodies is sufficient for the diagnosis of coeliac disease in patients younger than age 2 years. *Journal of Pediatric Gastroenterology and Nutrition*. 2010;50:E70-E1.
185. Mones RL, Yankah A, Duelfer D, Bustami R, Mercer G. Disaccharidase deficiency in pediatric patients with celiac disease and intact villi. *Scandinavian Journal of Gastroenterology*. 2011;46(12):1429-34.
186. Monfredini C, Gottardi F, Bolognini S, Martinazzi S, Villanacci V, Ravelli A. How patchy is patchy villous atrophy? Distribution pattern of histological lesions in the duodenum of children with celiac disease. *Journal of Pediatric Gastroenterology and Nutrition*. 2009;48:E100.
187. Montalto M, Santoro L, Curigliano V, D'Onofrio F, Cammarota G, Panunzi S, et al. Faecal calprotectin concentrations in untreated coeliac patients. *Scandinavian Journal of Gastroenterology*. 2007;42(8):957-61.
188. Montgomery AMP, Goka AKJ, Kumar PJ, Farthing MJG, Clark ML. Low gluten diet in the treatment of adult coeliac disease: Effect on jejunal morphology and serum anti-gluten antibodies. *Gut*. 1988;29(11):1564-8.
189. Mooney PD, Tomba C, Branchi F, Sanders DS, Sidhu R, Locatelli M, et al. Coeliac disease and double-balloon enteroscopy: What can we achieve? The experience of two European tertiary referral centres. *Gut*. 2014;63:A264.
190. Mooney PD, Wong SH, Burden M, Kurien M, Sanders DS. Predicting histological remission in patients with celiac disease on a gluten-free diet. *Gastroenterology*. 2015;1):S288.
191. Mooney PD, Wong SH, Kurien M, Burden M, Sanders DS. Comparison of three commercially available point of care tests for celiac disease. *Gastroenterology*. 2015;1):S287-S8.
192. Mozo L, Gomez J, Escanlar E, Bousono C, Gutierrez C. Diagnostic value of anti-deamidated gliadin peptide IgG antibodies for celiac disease in children and IgA-deficient patients. *Journal of Pediatric Gastroenterology & Nutrition*. 2012;55(1):50-5.
193. Muir R, Smith I, Daveson AJM. An assessment of the diagnostic utility of coeliac serology in an australian referral centre. *Gastroenterology*. 2014;1):S-474.
194. Murray JA, Moore SB, van Dyke CT, Lahr BD, Dierkhising RA, Zinsmeister AR, et al. HLA DQ Gene Dosage and Risk and Severity of Celiac Disease. *Clinical Gastroenterology and Hepatology*. 2007;5(12):1406-12.
195. Murray JA, Watson T, Clearman B, Mitros F. Effect of a gluten-free diet on gastrointestinal symptoms in celiac disease. *American Journal of Clinical Nutrition*. 2004;79(4):669-73.
196. Nachman F, del Campo MP, Gonzalez A, Corzo L, Vazquez H, Sfoggia C, et al. Long-term deterioration of quality of life in adult patients with celiac disease is associated with treatment noncompliance. *Digestive & Liver Disease*. 2010;42(10):685-91.
197. Newnham ED, Shepherd SJ, Hosking P, Gibson PR. Lack of mucosal healing after 5 years of strict compliance to a gluten free diet (GFD)Time to consider adjunctive therapy. *Journal of Gastroenterology and Hepatology*. 2011;26:78-9.

198. Nieminen U, Kahri A, Savilahti E, Farkkila MA. Duodenal disaccharidase activities in the follow-up of villous atrophy in coeliac disease. *Scandinavian Journal of Gastroenterology*. 2001;36(5):507-10.
199. Olausson RW, Lovik A, Tollefsen S, Andresen PA, Vatn MH, De Lange T, et al. Effect of elemental diet on mucosal immunopathology and clinical symptoms in type 1 refractory celiac disease. *Clinical Gastroenterology & Hepatology*. 2005;3(9):875-85.
200. O'Leary C, Wieneke P, Healy M, Cronin C, O'Regan P, Shanahan F. Celiac disease and the transition from childhood to adulthood: a 28-year follow-up. *American Journal of Gastroenterology*. 2004;99(12):2437-41.
201. Papadatou B, Ferretti F, Colistro F, Castellucci G, Lucidi V, Ricci S, et al. IgA-class antigliadin antibodies in the screening and follow-up of celiac disease patients. [Italian] Gli anticorpi antigliadina della classe IgA nello screening e nel follow-up dei pazienti celiaci. *La Pediatria medica e chirurgica : Medical and surgical pediatrics*. 1992;14(5):517-9.
202. Papadia C, Fonaroli F, Lanzarotto F, Salemme M, Di Sabatino A, De'Angelis G, et al. Is plasma citrulline concentration a reliable marker for diagnosis and clinical management of coeliac disease ? *Gut*. 2013;62:A125.
203. Papadia C, Fornaroli F, Di Sabatino A, Salemme M, Lanzarotto F, Villanacci V, et al. Is plasma citrulline concentration a reliable marker in the long term management of coeliac disease? *Digestive and Liver Disease*. 2013;45:S123.
204. Paparo F, Petrone E, Tosco A, Maglio M, Borrelli M, Salvati VM, et al. Clinical, HLA, and small bowel immunohistochemical features of children with positive serum antiendomysium antibodies and architecturally normal small intestinal mucosa. *American Journal of Gastroenterology*. 2005;100(10):2294-8.
205. Pavanello P, Stefani C, Marzaro M, Da Dalt L. High positive predictive value of IGA anti-tissue transglutaminase antibodies in predicting histological marsh-oberhuber grade in pediatric patients with Celiac disease. *Digestive and Liver Disease*. 2011;43:S421-S2.
206. Pekki H, Kurppa K, Maki M, Huhtala H, Sievanen H, Laurila K, et al. Predictors and Significance of Incomplete Mucosal Recovery in Celiac Disease After 1 Year on a Gluten-Free Diet. *American Journal of Gastroenterology*. 2015;110(7):1078-85.
207. Peraaho M, Kaukinen K, Paasikivi K, Sievanen H, Lohiniemi S, Maki M, et al. Wheat-starch-based gluten-free products in the treatment of newly detected coeliac disease: prospective and randomized study. *Alimentary Pharmacology & Therapeutics*. 2003;17(4):587-94.
208. Petrarca L, Nenna R, Tiberti C, Luparia RPL, Lucantoni F, Montuori M, et al. Duodenal mucosa diffusion of the histological lesions in coeliac patients correlates with transglutaminase Ab titers and target domains immunoreactivity. *Journal of Pediatric Gastroenterology and Nutrition*. 2011;52:E131-E2.
209. Petroniene R, Dubcenco E, Baker JP, Ottaway CA, Tang SJ, Zanati SA, et al. Given capsule endoscopy in celiac disease: evaluation of diagnostic accuracy and interobserver agreement. *American Journal of Gastroenterology*. 2005;100(3):685-94.
210. Pettei M, Webster T. Pathologic findings on repeat biopsy in children with celiac disease on a gluten-free diet. *American Journal of Gastroenterology*. 2014;109:S597.
211. Piazzzi L, Zancanella L, Chilovi F, Merighi A, De Vitis I, Feliciangeli G, et al. Diagnostic value of endoscopic markers for celiac disease in adults: A multicentre prospective Italian study. *Minerva Gastroenterologica e Dietologica*. 2008;54(4):335-46.
212. Pizzuti D, Bortolami M, Mazzon E, Buda A, Guariso G, D'Odorico A, et al. Transcriptional downregulation of tight junction protein ZO-1 in active coeliac disease is reversed after a gluten-free diet. *Digestive & Liver Disease*. 2004;36(5):337-41.
213. Pohl H, Rosch T, Tanczos BT, Rudolph B, Schluns K, Baumgart DC. Endocytoscopy for the detection of microstructural features in adult patients with celiac sprue: a prospective,

blinded endocytoscopy-conventional histology correlation study. *Gastrointestinal Endoscopy*. 2009;70(5):933-41.

214. Proto M, Alvisi P, Barbera C, Cardile S, Romano C, Cozzali R, et al. Natural history of potential celiac disease: Multicenter study. *Digestive and Liver Disease*. 2013;45:e278.

215. Pulido O, Zarkadas M, Dubois S, Cantin I, Collins K, Switzer C, et al. Study of a Canadian celiac population following a Gluten-Free Diet (GFD). *Histopathology*. 2010;57:105.

216. Rashtak S, Ettore MW, Homburger HA, Murray JA. Comparative usefulness of deamidated gliadin antibodies in the diagnosis of celiac disease. *Clinical Gastroenterology & Hepatology*. 2008;6(4):426-32; quiz 370.

217. Ravelli A, Villanacci V, Monfredini C, Martinazzi S, Grassi V, Manenti S. How patchy is patchy villous atrophy?: distribution pattern of histological lesions in the duodenum of children with celiac disease. *American Journal of Gastroenterology*. 2010;105(9):2103-10.

218. Reims A, Redfors S, Ascher H, Strandvik B. Electrogenic ion transport in duodenal biopsies from children with coeliac disease. *Scandinavian Journal of Gastroenterology*. 2002;37(1):43-50.

219. Reims A, Strandvik B, Sjovall H. Epithelial electrical resistance as a measure of permeability changes in pediatric duodenal biopsies. *Journal of Pediatric Gastroenterology & Nutrition*. 2006;43(5):619-23.

220. Romaldini CC, Barbieri D, Okay TS, Raiz R, Jr., Cancado EL. Serum soluble interleukin-2 receptor, interleukin-6, and tumor necrosis factor-alpha levels in children with celiac disease: response to treatment. *Journal of Pediatric Gastroenterology & Nutrition*. 2002;35(4):513-7.

221. Rubinas TC, Weinstein LJ. Clinical significance and follow-up of Patients with duodenal biopsy revealing intraepithelial lymphocytosis with preserved villous architecture. *Laboratory Investigation*. 2009;89:147A.

222. Rubio-Tapia A, Rahim MN, Lahr B, Wu TT, Murray JA. Histologic recovery after a gluten-free diet in adults with celiac disease: Fact or fiction. *Gastroenterology*. 2009;1):A473.

223. Rubio-Tapia A, Rahim MW, See JA, Lahr BD, Wu TT, Murray JA. Mucosal recovery and mortality in adults with celiac disease after treatment with a gluten-free diet. *American Journal of Gastroenterology*. 2010;105(6):1412-20.

224. Russell RI, Atherton ST, Nelson LM, Robertson E, Lee FD. Effect of an elemental diet (Vivonex) on the absorption abnormalities and histological appearances of the jejunum in untreated adult coeliac disease. *Digestion*. 1979;19(5):335-9.

225. Russo PA, Chartrand LJ, Seidman E. Comparative analysis of serologic screening tests for the initial diagnosis of celiac disease. *Pediatrics*. 1999;104(1 Pt 1):75-8.

226. Salmaso C, Ocmant A, Pesce G, Altrinetti V, Montagna P, Descalzi D, et al. Comparison of ELISA for tissue transglutaminase autoantibodies with antiendomysium antibodies in pediatric and adult patients with celiac disease. *Allergy*. 2001;56(6):544-7.

227. Salunke SS, Priest M, Jackson R, Morris AJ. Long term follow up of patients with refractory coeliac disease: A single centre experience. *Gut*. 2009;58:A4-A5.

228. Sategna-Guidetti C, Grosso S, Bruno M, Grosso SB. Comparison of serum anti-gliadin, anti-endomysium, and anti-jejunum antibodies in adult celiac sprue. *Journal of clinical gastroenterology*. 1995;20(1):17-21.

229. Savilahti E, Viander M, Perkkio M, Vainio E, Kalimo K, Reunala T. IgA antigliadin antibodies: a marker of mucosal damage in childhood coeliac disease. *Lancet*. 1983;1(8320):320-2.

230. Shalimar, Das P, Sreenivas V, Datta Gupta S, Panda SK, Makharia GK. Effect of addition of short course of prednisolone to gluten-free diet on mucosal epithelial cell



- regeneration and apoptosis in celiac disease: a pilot randomized controlled trial. *Digestive Diseases & Sciences*. 2012;57(12):3116-25.
231. Shaveta B, Vandana M, Sandeep P. Impact of gluten free diet on health and nutritional status of adults with celiac disease. *Journal of Gastroenterology and Hepatology*. 2011;26:196.
232. Shepherd SJ, Burgell R, Hosking P, Gibson PR. HLA-DQ genotype predicts severity of the intestinal lesion, chance of healing on a gluten-free diet after 12 months and likelihood of systemic complications in newly coeliac disease. *Gastroenterology*. 2010;1):S722.
233. Shepherd SJ, Hosking P, Gibson PR. Gut symptoms in coeliac disease are a poor guide to judge the progress over the first 12 months on a gluten-free diet. *Journal of Gastroenterology and Hepatology*. 2011;26:73.
234. Shmerling DH, Franckx J. Childhood celiac disease: a long-term analysis of relapses in 91 patients. *Journal of Pediatric Gastroenterology & Nutrition*. 1986;5(4):565-9.
235. Sjoberg V, Hollen E, Pietz G, Magnusson KE, Falth-Magnusson K, Sundstrom M, et al. Noncontaminated dietary oats may hamper normalization of the intestinal immune status in childhood celiac disease. *Clinical and Translational Gastroenterology*. 2014;5:e58.
236. Smecuol E, Hwang HJ, Chernavsky AC, Vazquez H, Corzo LA, Sugai E, et al. Exploratory, randomized, double-blind, placebo-controlled trial on the effects of bifidobacterium infantis in untreated celiac disease. *Gastroenterology*. 2012;1):S79.
237. Spagnut G, Melli P, Robazza M, Celestino S, Tonutti E, Collarile P, et al. Celiac disease diagnosis on serological analysis rather than biopsy. *Digestive and Liver Disease*. 2011;43:S429-S30.
238. Spatola BN, Kaukinen K, Collin P, Maki M, Kagnoff MF, Daugherty PS. Persistence of elevated deamidated gliadin peptide antibodies on a gluten-free diet indicates nonresponsive coeliac disease. *Alimentary Pharmacology & Therapeutics*. 2014;39(4):407-17.
239. Stern M. Comparative evaluation of serologic tests for celiac disease: A European initiative toward standardization. *Journal of Pediatric Gastroenterology and Nutrition*. 2000;31(5):513-9.
240. Sugai E, Nachman F, Vaquez H, Gonzalez A, Andrenacci P, Czech A, et al. Dynamics of celiac disease-specific serology after initiation of a gluten-free diet and use in the assessment of compliance with treatment. *Digestive & Liver Disease*. 2010;42(5):352-8.
241. Taavela J, Kurppa K, Collin P, Lahdeaho M, Salmi T, Saavalainen P, et al. Degree of Damage to the Small Bowel and Serum Antibody Titers Correlate With Clinical Presentation of Patients With Celiac Disease. *Clinical Gastroenterology and Hepatology*. 2013;11(2):166-71.e1.
242. Tack GJ, van Asseldonk DP, van Wanrooij RL, van Bodegraven AA, Mulder CJ. Tioguanine in the treatment of refractory coeliac disease--a single centre experience. *Alimentary Pharmacology & Therapeutics*. 2012;36(3):274-81.
243. Tack GJ, van de Water JMW, Bruins MJ, Kooy-Winkelaar EMC, van Bergen J, Bonnet P, et al. Consumption of gluten with gluten-degrading enzyme by celiac patients: A pilot-study. *World Journal of Gastroenterology*. 2013;19(35):5837-47.
244. Tack GJ, Verbeek WH, Al-Toma A, Kuik DJ, Schreurs MW, Visser O, et al. Evaluation of Cladribine treatment in refractory celiac disease type II. *World Journal of Gastroenterology*. 2011;17(4):506-13.
245. Terrone G, Parente I, Romano A, Auricchio R, Greco L, Del Giudice E. The Pediatric Symptom Checklist as screening tool for neurological and psychosocial problems in a paediatric cohort of patients with coeliac disease. *Acta Paediatrica*. 2013;102(7):e325-8.

246. Thomas HJ, Rajaguru CS, Warren BF, Jewell DP, Ahmad T. Adult-onset coeliac disease: A retrospective analysis of phenotypic characteristics with histological and HLA correlation. *Gastroenterology*. 2009;1):A263.
247. Tontini GE, Rondonotti E, Saladino V, Saibeni S, de Franchis R, Vecchi M. Impact of gluten withdrawal on health-related quality of life in celiac subjects: an observational case-control study. *Digestion*. 2010;82(4):221-8.
248. Tortora R. Fecal calprotectin in coeliac disease. *World journal of gastroenterology : WJG*. 2014;20(2):611-2.
249. Tosco A, Paparo F, Maglio M, Granata V, Del Mastro A, Discepolo V, et al. A discriminant score based on immunohistochemistry of jejunal biopsies for the diagnosis of celiac disease. *Digestive and Liver Disease*. 2010;42:S342.
250. Tosco A, Salvati VM, Auricchio R, Maglio M, Borrelli M, Coruzzo A, et al. Natural history of potential celiac disease in children. *Clinical Gastroenterology & Hepatology*. 2011;9(4):320-5; quiz e36.
251. Toumi D, Mankai A, Belhadj R, Ghedira-Besbes L, Jeddi M, Ghedira I. Anti-*Saccharomyces cerevisiae* antibodies in coeliac disease. *Scandinavian Journal of Gastroenterology*. 2007;42(7):821-6.
252. Troncone R, Mayer M, Spagnuolo F, Maiuri L, Greco L. Endomysial antibodies as unreliable markers for slight dietary transgressions in adolescents with celiac disease. *Journal of Pediatric Gastroenterology & Nutrition*. 1995;21(1):69-72.
253. Troncone R, Starita A, Coletta S, Mayer M, Greco L. Antigliadin antibody, D-xylose, and cellobiose/mannitol permeability tests as indicators of mucosal damage in children with coeliac disease. *Scandinavian Journal of Gastroenterology*. 1992;27(8):703-6.
254. Tumpek J, Nemes E, Toth B, Vecsei Z, Kiraly R, Sipka S, et al. Antibodies against deamidated gliadin peptides in diagnosing and monitoring coeliac disease in selective IgA deficiency. *Journal of Pediatric Gastroenterology and Nutrition*. 2009;48:E22.
255. Tursi A, Brandimarte G, Giorgetti GM. Sorbitol H<sub>2</sub>-breath test versus anti-endomysium antibodies to assess histological recovery after gluten-free diet in coeliac disease. *Digestive & Liver Disease*. 2002;34(12):846-50.
256. Tursi A, Brandimarte G, Giorgetti GM. Lack of usefulness of anti-transglutaminase antibodies in assessing histologic recovery after gluten-free diet in celiac disease. *Journal of clinical gastroenterology*. 2003;37(5):387-91.
257. Tursi A, Brandimarte G, Giorgetti GM, Elisei W, Inchingolo CD, Monardo E, et al. Endoscopic and histological findings in the duodenum of adults with celiac disease before and after changing to a gluten-free diet: A 2-year prospective study. *Endoscopy*. 2006;38(7):702-7.
258. Tursi A, Brandimarte G, Giorgetti GM, Gigliobianco A. Endoscopic features of celiac disease in adults and their correlation with age, histological damage, and clinical form of the disease. *Endoscopy*. 2002;34(10):787-92.
259. Tveito K, Hetta AK, Askedal M, Brunborg C, Sandvik L, Loberg EM, et al. Follow-up of coeliac disease with the novel one-hour <sup>13</sup>C- sorbitol breath test versus the H<sub>2</sub>-sorbitol breath test. *Scandinavian Journal of Gastroenterology*. 2011;46(7-8):837-43.
260. Uil JJ, van Elburg RM, van Overbeek FM, Meyer JW, Mulder CJ, Heymans HS. Follow-up of treated coeliac patients: sugar absorption test and intestinal biopsies compared. *European journal of gastroenterology & hepatology*. 1996;8(3):219-23.
261. Ukabam SO, Cooper BT. Small intestinal permeability as an indicator of jejunal mucosal recovery in patients with celiac sprue on a gluten-free diet. *Journal of clinical gastroenterology*. 1985;7(3):232-6.

262. Unsworth DJ, Kieffer M, Holborow EJ, Coombs RR, Walker-Smith JA. IgA anti-gliadin antibodies in coeliac disease. *Clinical & Experimental Immunology*. 1981;46(2):286-93.
263. Vahedi K, Mascart F, Mary JY, Laberrenne JE, Bouhnik Y, Morin MC, et al. Reliability of antitransglutaminase antibodies as predictors of gluten-free diet compliance in adult celiac disease. *American Journal of Gastroenterology*. 2003;98(5):1079-87.
264. Valletta EA, Trevisiol D, Mastella G. IgA anti-gliadin antibodies in the monitoring of gluten challenge in celiac disease. *Journal of Pediatric Gastroenterology & Nutrition*. 1990;10(2):169-73.
265. van den Bosch HC, Tjon a Tham RT, Gooszen AW, Fauquenot-Nollen JM, Lamers CB. Celiac disease: small-bowel enteroclysis findings in adult patients treated with a gluten-free diet. *Radiology*. 1996;201(3):803-8.
266. van Koppen EJ, Schweizer JJ, Csizmadia CG, Krom Y, Hylkema HB, van Geel AM, et al. Long-term health and quality-of-life consequences of mass screening for childhood celiac disease: a 10-year follow-up study. *Pediatrics*. 2009;123(4):e582-8.
267. Verma A, Singh P, Kurray L, Agnihotri A, Das P, Sreenivas V, et al. Correlation between anti-tissue transglutaminase titres and villous abnormalities in celiac disease. *Journal of Gastroenterology and Hepatology*. 2013;28:599.
268. Vilela EG, de Abreu Ferrari Mde L, de Gama Torres HO, Martins FP, Goulart EM, Lima AS, et al. Intestinal permeability and antigliadin antibody test for monitoring adult patients with celiac disease. *Digestive Diseases & Sciences*. 2007;52(5):1304-9.
269. Villanacci V, Magazzu G, Pellegrino S, Gambarotti M, Sferlazzas C, Tuccari G, et al. Comparison of the Marsh-Oberhuber classification with a new grading system in identifying patients with latent celiac disease. *Minerva Gastroenterologica e Dietologica*. 2010;56(4):371-5.
270. Volta U, Bonazzi C, Lazzari R, Baldoni AM, Collina A, Bianchi FB, et al. Immunoglobulin A antigliadin antibodies in jejunal juice: markers of severe intestinal damage in coeliac children. *Digestion*. 1988;39(1):35-9.
271. Vreugdenhil A, Wolters VM, Van Den Neucker A, Derikx J, Houwen R, Buurman W. Enhanced I-FABP levels in children with celiac disease rapidly recover after gluten free diet; potential marker for diagnosis and follow-up of celiac disease. *Gastroenterology*. 2009;1):A36.
272. Vreugdenhil AC, Wolters VM, Adriaanse MP, Van den Neucker AM, van Bijnen AA, Houwen R, et al. Additional value of serum I-FABP levels for evaluating celiac disease activity in children. *Scandinavian Journal of Gastroenterology*. 2011;46(12):1435-41.
273. Wahab PJ, Crusius JB, Meijer JW, Uil JJ, Mulder CJ. Cyclosporin in the treatment of adults with refractory coeliac disease--an open pilot study. *Alimentary Pharmacology & Therapeutics*. 2000;14(6):767-74.
274. Wahab PJ, Meijer JW, Mulder CJ. Histologic follow-up of people with celiac disease on a gluten-free diet: slow and incomplete recovery. *American Journal of Clinical Pathology*. 2002;118(3):459-63.
275. Wang C, Rasmussen H, Perrow W, Kelly CP, Leffler D, Green P, et al. Larazotide acetate, a first in-class, novel tight junction regulator, meets primary endpoint and significantly reduces signs and symptoms of celiac disease in patients on a gluten-free diet: Results of a multicenter, randomized, placebo controlled trial. *Gastroenterology*. 2014;1):S-159.
276. Weizman Z, Ben-Zion YZ, Binsztok M, Maor E, Porath A. Correlation of clinical characteristics and small bowel histopathology in celiac disease. *Journal of Pediatric Gastroenterology & Nutrition*. 1997;24(5):555-8.

277. Yachha SK, Srivastava A, Mohindra S, Krishnani N, Aggarwal R, Saxena A. Effect of a gluten-free diet on growth and small-bowel histology in children with celiac disease in India. *Journal of Gastroenterology & Hepatology*. 2007;22(8):1300-5.
278. Zanchi C, Martelossi S, Orzes N, Not T, Ventura A. Compliance to gluten-free diet in adults and children with celiac disease: Comparison between different measures of evaluation. *Journal of Pediatric Gastroenterology and Nutrition*. 2011;52:E128.
279. Zanini B, Bertolazzi S, Mora A, Turini D, Lanzarotto F, Ricci C, et al. Correlation of histological villous atrophy with tissue transglutaminase antibody level in patients with diagnosis of celiac disease: Retrospective analysis of a cohort of 187 celiac patients. *Gastroenterology*. 2009;1):A475-A6.
280. Zanini B, Caselani F, Lanzarotto F, Turini D, Villanacci V, Ricci C, et al. Is potential celiac disease (CD) an innocent disease? Results of a cohort study of 1140 patients. *Digestive and Liver Disease*. 2010;42:S91.
281. Zanini B, Mora A, Bertolazzi S, Turini D, Lanzarotto F, Ricci C, et al. Clinical, serological and histopathological features of celiac disease at diagnosis in an Italian community based cohort of 605 patients: An age-related analysis. *Gastroenterology*. 2009;1):A474.
282. Zanini B, Petroboni B, Not T, Pogna N, Lanzini A. Effect of acute administration of triticum monococcum on small intestinal permeability in patients with coeliac disease. *Digestive and Liver Disease*. 2011;43:S262.
283. Zanini B, Petroboni B, Not T, Pogna N, Lanzini A. A phase II, single blind, cross-over study of acute administration of Triticum Monococcum (cultivar monlis) in patients with coeliac disease (CD). *Gastroenterology*. 2011;1):S444.
284. Zarkadas M, Cranney A, Case S, Molloy M, Switzer C, Graham ID, et al. The impact of a gluten-free diet on adults with coeliac disease: results of a national survey. *Journal of Human Nutrition & Dietetics*. 2006;19(1):41-9.
285. Zarkadas M, Pulido O, Dubois S, Cantin I, Collins K, Godefroy S, et al. Clinical features and symptom recovery on a gluten-free diet in a canadian celiac population. *Gastroenterology*. 2010;1):S304.
286. Zevallos VF, Herencia LI, Chang F, Donnelly S, Ellis HJ, Ciclitira PJ. Gastrointestinal effects of eating quinoa (*Chenopodium quinoa* Willd.) in celiac patients. *American Journal of Gastroenterology*. 2014;109(2):270-8.

**Table 1.** Outcome Measures in Published Coeliac Disease Randomized-controlled Trials

<b>Reference</b>	<b>Investigational product</b>	<b>Number and type of patients</b>	<b>Study duration</b>	<b><u>Design</u></b>	<b>Primary outcome measure(s)</b>	<b>Other outcome measures</b>	<b>Primary endpoint reached?</b>	<b><u>Primary outcome rates</u></b>
Peraaho 2003	Wheat/starch-based/gluten-free diet	57 adults	12 months	<u>Non-placebo RCT</u>	<u>Not specified</u>	<u>Morphometric histology (VH:CrD, IEL count); GSRs; Mucosal HLA-DR expression; serology (anti-gliadin, anti-tTG and EMA)</u>	No	<u>Not applicable</u>
Hogberg 2004	Oats	116 children	1 year	<u>Non-placebo RCT</u>	Not specified	Marsh classification + morphometric histology (IEL count); serology (anti-tTG and EMA)	Not applicable	<u>Not applicable</u>
Cornell 2005	Encapsulated enzyme extract	21 adults	24 weeks	<u>RCT with placebo and with a gluten challenge</u>	Not specified	Symptoms (fatigue, nausea, vomiting, stomach pain, bloating, cramps, loss of appetite and flatulence; serology (anti-tTG and antigliadin antibodies); morphometric histology (VH:CrD, IEL count, ES, LPLI, vacuolation of epithelium)	Not applicable	<u>Not applicable</u>

Holm 2006	Oats	32 children	2 years	<u>Non-placebo RCT with a gluten challenge</u>	Not specified	Symptoms (not specified); morphometric histology (VH:CrD, IEL count); serology (anti-tTG and EMA)	Not applicable	<u>Not applicable</u>
Catassi 2007	Gluten-containing capsules (10 or 50 mg gluten/day)	49 adults	90 days	<u>RCT with placebo</u>	<u>Change in morphometric histology (VH:CrD and IEL count)</u>	Symptoms (not specified); serology (anti-tTG and antigliadin antibodies)	Partially: Yes for VH:CrD No for IEL count	<b><u>VH/CrD</u></b> <u>Placebo: 9%</u> <u>10 mg: -1%</u> <u>50 mg: -20%</u> <b><u>IELcount</u></b> <u>Placebo: -4%</u> <u>10 mg: 0%</u> <u>50 mg: 12%</u>
Ciacchi 2009	Budesonide	20 adults	4 weeks	<u>Non-placebo RCT</u>	Not specified	Clinical evaluation (body weight, stool weight/day); serology (anti-tTG antibodies); laboratory indices (serum albumin, plasma cholesterol)	Not applicable	<u>Not applicable</u>
Hallert 2009	Poly-vitamin B	57 adults	6 months	<u>RCT with placebo</u>	Not specified	Plasma total homocysteine level; PGWBI	Not applicable	<u>Not applicable</u>
Daveson 2011	Hookworm Necator americanus	20 adults	21 weeks	<u>RCT with placebo and with a gluten challenge</u>	Marsh classification; systemic IFN- $\gamma$	Symptoms (not specified); morphometric histology (VH:CrD,	No	<u>No information provided</u>

									IEL count); laboratory indices (WBC count, eosinophil count, hemoglobin)
Kelly 2013	Larazotide acetate	184 adults	6 weeks	<u>RCT with placebo gluten run-in phase and gluten challenge</u>	Urinary LAMA fractional excretion ratio	GSRs; PGWBI; serology (anti-tTG antibodies)	No	<u>Placebo: 2.3</u> <u>1 mg: 1.4</u> <u>4 mg: 2.3</u> <u>10 mg: 2.4</u>	
Leffler 2012	Larazotide acetate	86 adults	3 weeks	<u>RCT with placebo and with a gluten challenge</u>	Urinary LAMA fractional excretion ratio	GSRs and CeD-GSRs; PGWBI; serology (anti-tTG antibodies)	No	<u>Placebo: 1.5</u> <u>0.25 mg: 1.7</u> <u>1 mg: 1.2</u> <u>4 mg: 1.4</u> <u>8 mg: 1.6</u>	
Shalimar 2012	Prednisolone	33 adults and children	8 weeks	<u>Non-placebo RCT</u>	Not specified	Symptoms (not specified); upper GI endoscopy; Modified Marsh classification; serology (anti-tTG antibodies); IEC apoptosis markers	Not applicable	<u>Not applicable</u>	
Tack 2013	Aspergillus niger prolyl endoprotease (AN-PEP)	14 adults	2 weeks	<u>RCT with placebo and with a gluten challenge</u>	Modified Marsh classification	CD-QOL survey; serology (anti-tTG and antigliadin antibodies)	No	<b><u>Placebo</u></b> <u>0 (n=2)</u> <u>1 (n=3)</u> <u>3a (n=2)</u> <b><u>AN-PEP</u></b> <u>0 (n=2)</u> <u>1 (n=4)</u> <u>3a (n=1)</u>	

Lahdeaho 2014	ALV003	41 adults	6 weeks	<u>RCT with placebo and with a gluten challenge</u>	Morphometric histology (VH:CrD, IEL count)	GSRs; quality of life (VAS, CD-QOL and SF-36); serology (anti-gliadin, anti-tTG and EMA); mucosal IgA deposits	Yes	<b><u>VH/CrD</u></b> <u>Placebo: -0.8</u> <u>ALV003: -0.1</u> <b><u>IEL count</u></b> <u>Placebo: 19</u> <u>cells/mm</u> <u>increase</u> <u>ALV003: 3</u> <u>cells/mm</u> <u>increase</u>
Leffler 2015	Larazotide acetate	342 adults	20 weeks	<u>RCT with placebo and a placebo run-in phase</u>	CeD-GSRs	CeD PRO - GI and abdominal domain score; serology (anti-tTG and anti-DGP antibodies)	Yes	<u>No information provided</u>

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AN-PEP, Aspergillus niger prolyl endoprotease; CD-QOL, Celiac Disease Quality of Life; CeD-GSRs, Celiac Disease Gastrointestinal Symptom Rating Scale; CeD PRO, Celiac Disease Patient-Reported Outcome; DGP, deamidated gliadin peptide; EMA, endomysial antibodies; ES, epithelial stunting; GSRs, Gastrointestinal Symptom Rating Scale; HLA-DR, human leukocyte antigen-D related; IEC, intestinal epithelial cell; IEL, intra-epithelial lymphocytosis; IgA, immunoglobulin A; LAMA, lactulose/mannitol; LPLI, lamina propria lymphoplasmocytic infiltrate; PGWBI, Psychological General Well-being Index; RCT, randomized controlled trial; SF-36, 36-Item Short Form Health Survey; tTG, tissue transglutaminase; VAS, Visual Analogue Scale; VH:CrD, villous height-to-crypt-depth ratio