

How long is a piece of string?

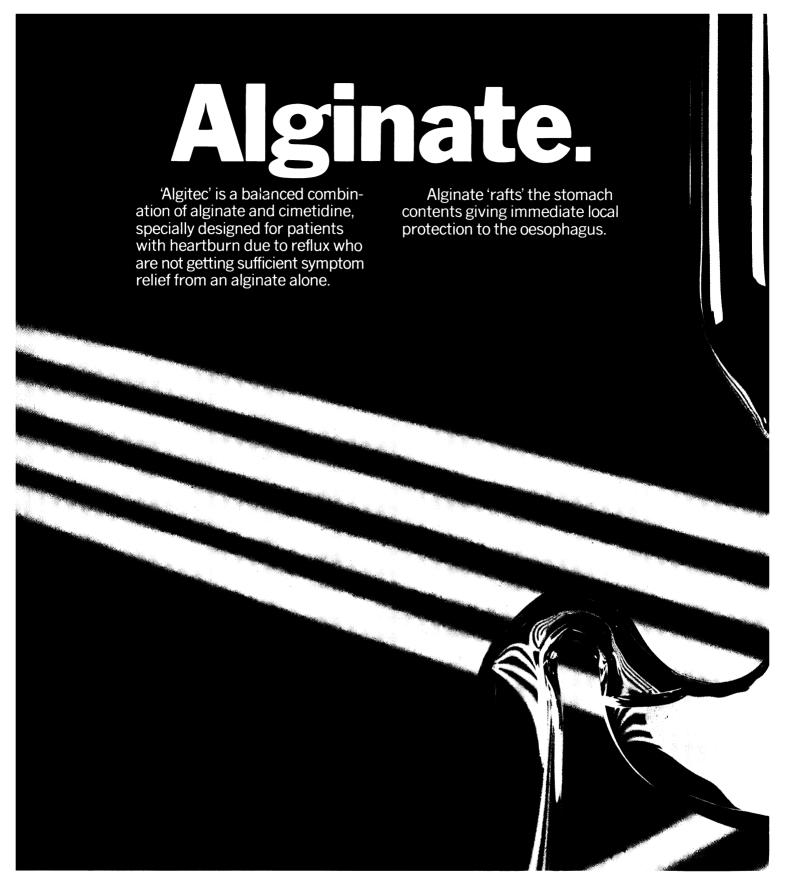
Zantac

For the lifetime of the disease

PRESCRIBING INFORMATION: INDICATIONS: DUODENAL ULCER, BENIGN GASTRIC ULCER, ULCERS ASSOCIATED WITH NON-STEROIDAL ANTI-INFLAMMATORY DRUGS (NSAIDA), REFLUX OESOPHAGITIS, CHRONIC EPISODIC DYSPEPSIA. DOSAGE: ADULTS: THE USUAL DOSAGE IS 150MG TWICE DAILY IN THE MORNING AND EVENING. ALTERNATIVELY, PATIENTS WITH DUODENAL ULCERATION, GASTRIC ULCERATION OR REFLUX OESOPHAGITIS MAY BE TREATED WITH A SINGLE BEDTIME DOSE OF 300MG. IN ULCERS FOLLOWING NON-STEROIDAL ANTI-INFLAMMATORY DRUG THERAPY, OR ASSOCIATED WITH CONTINUED NON-STEROIDAL ANTI-INFLAMMATORY DRUGS OR IN THEMANAGEMENT OF REFLUX OESOPHAGITIS UP TO EIGHT WEEKS "TREATMENT MAY BE NECESSARY. CHRONIC EPISODIC DYSPEPSIA: 150MG TWICE DAILY FOR SIX WEEKS, INVESTIGATE EARLY RELAPSERS AND NON-RESPONDERS. (SEE DATA SHEET FOR FULL DOSAGE INSTRUCTIONS). CONTRA-INDICATIONS: PATIENTS WITH KNOWN HYPER-SENSITIVITY TO RANITIDINE. PRECAUTIONS; EXCLUDE THE POSSIBILITY OF MALIGNANCY IN GASTRIC ULCER BEFORE INSTITUTING THERAPY, ESPECIALLY IN MIDDLE AGED PATIENTS WITH RECENTLY CHANGED DYSPEPTIC SYMPTOMS. SUPERVISION OF PATIENTS WITH RECENTLY CHANGED DYSPEPTIC SYMPTOMS. SUPERVISION OF PATIENTS WITH REPUTC ULCERS ANDON NASID THERAPY IS RECOMMENDED ESPECIALLY IF ELDERLY. REDUCE DOSAGE IN THE PRESENCE OF SEVERE RENAL FAILURE (SEE DATA SHEET). LIKE OTHER DRUGS, USE DURING PREGNANCY AND LACTATION ONLY IF STRICTLY NECESSARY. SIDE EFFECTS: HEADACHE, DIZZINESS, SKIN RASH, OCCASIONAL STRICTLY NECESSARY. SIDE EFFECTS: HEADACHE, DIZZINESS, SKIN RASH, OCCASIONAL

HEPATITIS. RARELY, REVERSIBLE MENTAL CONFUSION STATES, USUALLY IN VERY ILL OR ELDERLY PATIENTS. RARE CASES OF LEUCOPENIA AND THROMBOCYTOPENIA, USUALLY REVERSIBLE, AGRANULOCYTOSIS AND PANCYTOPENIA. HYPERSENSITIVITY REACTIONS, ANAPHYLACTIC SHOCK. RARE CASES OF BREAST SYMPTOMS IN MEN. AS WITH OTHER H., RECEPTOR ANTAGONISTS RARE CASES OF BRADYCARDIA AND AV BLOCK (SEE DATA SHEET). PRESENTATIONS: ZANTAC 150 TABLETS EACH CONTAINING 150MG RANITIDINE (PRODUCT LICENCE NUMBER 0004/0279, 60 TABLETS £129-76); ZANTAC 300 TABLETS EACH CONTAINING 300MG RANITIDINE (PRODUCT LICENCE NUMBER 0004/0298, 60 TABLETS £31-25); ZANTAC SYRUP EACH 10ML DOSE CONTAINING 150MG RANITIDINE (PRODUCT LICENCE NUMBER 0004/0298, 60 TABLETS £31-25); ZANTAC SYRUP EACH 10ML DOSE CONTAINING 150MG RANITIDINE (PRODUCT LICENCE NUMBER 0004/0310, 300ML BOTTLE £12:31). PRODUCT LICENCE HOLDER: GLAXO OPERATIONS U.K. LIMITED, GREENFORD, MIDDLESEX UB6 0HE ZANTAC IS A GLAXO TRADE MARK FURTHER INFORMATION IS AVAILABLE ON REQUEST FROM:
GLAXO LABORATORIES LIMITED GREENFORD, MIDDLESEX UB6 0HE
TEL: 01-422 3434 HEPATITIS. RARELY, REVERSIBLE MENTAL CONFUSION STATES, USUALLY IN VERY ILL OF





Reference: 1. Lennox B, Snell C, Lamb Y. Br J Clin Pract 1988;42:503-5.

Prescribing information. Presentation Algitec' Suspension, PL 0002/0176, containing 500 mg sodium alginate BPC and 200 mg cimetidine in 10 ml. 600 ml, £17.25. 'Algitec' Tablets, PL 0002/0149, each containing 500 mg alginic acid BPC and 200 mg cimetidine. 120 (6 tubes of 20 'Chewtab' tablets) £29.85. Uses Treatment of gastro-oesophageal reflux disease. Dosage and administration Adults only: 10 ml suspension or 1 tablet 4 times a day, after meals and at bedtime for 4 to 8 weeks. If response is inadequate increase to 20 ml suspension or 2 tablets 4 times a day. Chew tablets thoroughly

and follow by a drink of water. Contraindication Hypersensitivity to cimetidine. Precautions Not recommended where renal function impaired. Potentiation of oral anticoagulants, phenytoin and theophylline (see Data Sheet). Prolonged treatment: observe patients periodically. Potential delay in diagnosis of gastric cancer (see Data Sheet). Care in patients with compromised bone marrow (see Data Sheet). Avoid during pregnancy and lactation. Adverse reactions Diarrhoea, dizziness, rash, tiredness. Gynaecomastia, occasional reversible liver damage, confusional states (usually in the elderly

or very ill). Very rarely interstitial nephritis, acute pancreatitis, thrombocytopenia, agranulocytosis, headache, myalgia. arthralgia, sinus bradycardia, tachycardia, heart block, aplastic anaemia; very rare reports of alopecia, reversible impotence but no causal relationship established at usual therapeutic doses.

Legal category POM. 31.8.89.
Smith Kline & French Laboratories Limited
Welwyn Garden City, Hertfordshire AL7 1EY
1989 Smith Kline & French
Laboratories Limited
Algitec' and 'Chewtab' Tablets
are trade marks.

Plus.

Cimetidine systemically controls gastric acid secretion providing continued protection from acid reflux.

This combination has been shown to be superior to a commonly prescribed alginate in the relief of heartburn due to reflux!

So, for those patients who need more than an alginate try an alginate plus — 'Algitec'.



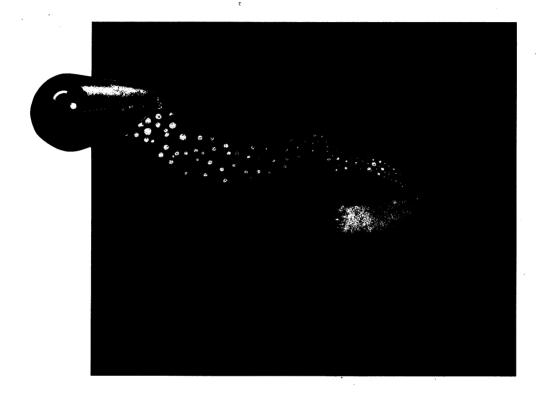
In heartburn due to reflux...

...when an alginate is not enough



PROGRESS

In The Control Of Pancreatic Insufficiency





RIGHT ON TARGET - RIGHT FROM THE START

Prescribing Information - Presentation: Brown-yellow capsules containing enteric coated granules of pancreatin equivalent to: 9,000 BP units of amylase, 8,000 BP units of lipase, 210 BP units of protease. Available in packs of 100. Basic NHS price £13.33. Indication: Pancreatic exocrine insufficiency. Dosage and administration: Adults and children: Initially one or two capsules with meals, then adjust according to response. The capsules can be swallowed whole, or for ease of administration they may be opened and the granules taken with fluid or soft food, but without chewing. If the granules are mixed with food, it is important that they are taken immediately, otherwise dissolution of the enteric coating may result.

Contra-indications, Warnings, etc: Contra-indications: Substitution with pancreatic enzymes is contra-indicated in the early stages of acute pancreatitis. Warnings: Use in pregnancy: There is inadequate evidence of safety in use during pregnancy. The product is of porcine origin. Rarely cases of hyper-uricosuria and hyper-uricaemia have been reported with high doses of pancreatin. Overdosage could precipitate meconium ileus equivalent. Perianal irritation could occur, and, rarely, inflammation when large doses are used. Product Licence Number: 5727/0001. Name and address of Licence Holder: Kali Chemie Pharma GmbH, Postfach 220, D-3000, Hannover 1, West Germany.



Losec is an entirely new class of acid-suppressing agent, one that works in a fundamentally different way from current therapies.

For example, H₂-antagonists can only inhibit one type of receptor responsible for acid secretion, still leaving others available for stimulation.1

Losec, the first proton pump inhibitor, acts on the final step of acid production and therefore controls intragastric acidity irrespective of stimulus.1

Clinical studies have consistently shown that once daily Losec is highly effective in the healing of erosive oesophagitis.2-8

In just 4 weeks Losec can heal about 30% more patients than conventional doses of ranitidine or cimetidine, also achieving more rapid and effective symptom relief.2-4

ONCE DAILY



omeprazole-Astra

A superior choice to H₂-antagonists²⁻⁴

*Conventional healing courses of ranitidine or cimetidine in erosive oesophagitis.(December 1989)

Abbreviated Prescribing Information. SPECIAL REPORTING TO CSM REQUIRED Presentation: Losec capsules containing 20mg omeprazole. Indications: Healing of erosive reflux oesophagitis. Symptom relief is rapid, and the majority of patients are healed after 4 weeks. Treatment of patients with benign peptic ulcers unresponsive to an adequate dose and duration of conventional therapy. Zollinger-Ellison syndrome. Dosage and Administration: Adults (including elderly). For erosive merapy, zoninger-anison syndrome, rossage and administration, admiss through criefly. For distributions of the recommended dosage is 20 mg Losec once daily given for 4 weeks. For those patients not fully healed after the initial course, healing usually occurs during a further 4 weeks treatment. Losec has also been used in a dose of 40 mg once daily in patients with reflux ocsophagitis refractory to other therapy. Healing usually occurred within 8 weeks. For duodenal ulcer the usual dose is refractory to other therapy. Healing usually occurred within 8 weeks. For duodenal ulcer the usual dose is 20mg Losec once daily for 8 weeks. For gastric ulcer the usual dose is 20mg Losec once daily for 8 weeks. In severe cases, the dose may be increased to 40mg Losec once daily Long-term maintenance treatment with Losec is not recommended. Zollinger-Ellison syndrome The recommended initial dosage is 60mg Losec once daily. Adjust individually and continue as long as clinically indicated. Patients are usually effectively controlled on doses of 20-120mg daily. With doses above 80mg daily, the dose should be divided and given twice daily. Colldren: There is no experience of the use of Losec in children. Impaired require more than 20mg Losec daily. Contra-indications, Warnings, etc: There are no known contra-indications to the use of Losec. When gastric ulcer is suspected, the possibility of malignancy should be excluded before treatment with Losec is instituted, as treatment may alleviate symptoms and delay diagnosis. Avoid in pregnancy unless there is no safer alternative. Breast feeding should be discontinued if the use of Losec is considered essential. Losec is well tolerated. Nausea, headache, diarrhoca, constipation and flatulence have been reported but are are. Skin rashes have occurred in a few patients. These events have usually been mild and transient and there has been no consistent relationship with treatment. Losec can delay the elimination of diazepam, phenytoin and warfarin. Monitoring of patients receiving warfarin or phenytoin foe may be necessary when omeprazole is added to treatment. There is no evidence of an interaction with necessary when omeprazole is added to treatment. There is no evidence of an interaction with theophylline, propranolol or antacids. Animal Toxicology: Gastric ECL-cell hyperplasia and carcinoids

localised to the oxyntic mucosa, have been observed in life-long studies in rats. These changes have been related to sustained hypergastrinaemia. No treatment related mucosal changes have been observed in patients treated continuously for periods up to 4 years. Pharmaceutical Precautions: Use within one month of opening, Replace cap firmly after use. Dispense in original containers. Legal Category: POM Package Quantities and Basic NHS Cost: Bottles of 5 capsules. A6-93, Bottles of 28 capsules, 336-36. Product Licence Number: PL0017/0238 Product Licence Holder: Astra Pharmaceuticals Ltd., Home Park Estate, Kings Langley, Herts WD4 8DH

References

1. Wallmark B et al 1S1 Atlas of Science Pharmacology 1987; 1:158-61. 2. Sandmark S et al Scand J
Gastroenterol 1988; 25 (25-32-3, Zeitoun P et al Lancet 1987; 11: 621-2. 4. Bate C M et al Gut 1989; 30:
A4193-4. 5. Hetzel D J et al Gastroenterology 1988, 95 903-12. 6. Havelund T et al Brit Med J 1988; 296
89-92. 7. Vantrappen G et al Dig Dis Sci 1988; 33 523-9. 8. Lundell L et al Gastroenterology 1989; 96 (5 pt 2) A310.



ASTRA

For further information please contact Astra Pharmaceuticals Ltd Telephone: (09277) 66191

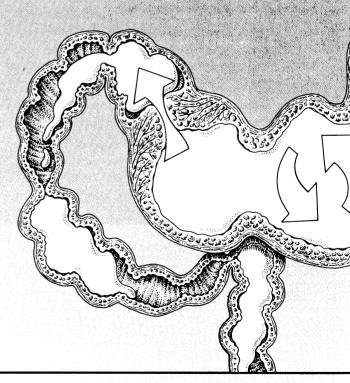
Losec is a registered trade mark

OESOPHAG

TOO MUCH ACID?

Current treatment strategy suggests that gastrooesophageal reflux disease is caused by too much acid.

There is no evidence that increased gastric acid secretion is associated with this disorder.

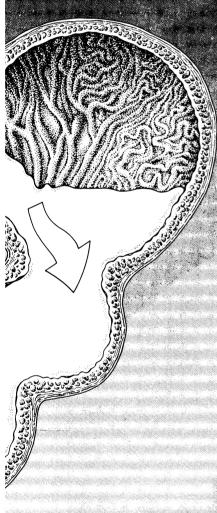




PRESCRIBING INFORMATION. Presentation and Packaging: White, biconvex, scored tablets, engraved CIS/10 on one side and JANSSEN on the reverse in packs of 112. Each tablet contains 10 mg of cisapride. Properties: Prepulsid is the first of a new class of drug capable of correcting abnormal motility throughout the GI tract. Indications: GASTRO-OESOPHAGEAL REFLUX DISEASE. Treatment of the symptoms such as heartburn, regurgitation and healing of mucosal lesions. IMPAIRED GASTRIC EMPTYING. Relief of the symptoms such as epigastric pain, early satiety, anorexia, bloating and nausea associated with delayed gastric emptying secondary to systemic sclerosis and autonomic neuropathy of diabetes. Dosage and administration: ADULTS AND CHILDREN TWELVE YEARS AND OVER. Gastro-oesophageal reflux: 10 mg Prepulsid tds preferably 15

minutes before food. Night time symptoms can be treated with an extra 10 mg dose at bedtime. A 12 week course is recommended for healing oesophagitis. Impaired gastric emptying: 10 mg Prepulsid tds or qds. An initial course of 6 weeks is recommended but longer treatment may be required. Use in Children: Not recommended in children under 12. Use in Elderly: Dose as for adults, but monitor response. Abnormal renal or liver function: Initially the dose should be halved. Contra-indications, warnings etc. Contra-indications: Contra-indications in whom gastro intestinal stimulation might be dangerous. eg gastrointestinal haemorrhage, mechanical obstruction or perforation. Warnings: It is not advisable to take Prepulsid whilst breastfeeding. Drug interactions: The absorption from the stomach of concomitantly administered drugs may be diminished,

EAL REFLUX



OR ACID IN THE WRONG PLACE FOR TOO LONG

Characteristically, patients with GORD have inappropriate relaxation of the lower oesophageal sphincter allowing gastric acid into the oesophagus.

Coupled with poor oesophageal clearing, this leads to prolonged acid-mucosal contact time — the important factor in heartburn and oesophagitis.

Prepulsid* is the first of a new class of GI prokinetic drug. It enhances lower oesophageal sphincter tone, improves oesophageal clearing and gastric emptying. Prepulsid* enables, for the first time, treatment of both the underlying condition and the disease.

Prepulsid* reduces the duration of reflux episodes — effectively treating heartburn and healing oesophagitis.

Prepulsic (cisapride—Janssen)

SIMPLE. YET HIGHLY EFFECTIVE

whereas absorption of drugs from the small intestine may be accelerated. For drugs that require careful individual titration, such as anticonvulsants, it may be useful to measure their plasma concentrations. In patients receiving anticoagulants, the prothrombin time may be increased. Prepulsid does not effect psychomotor performance nor does it induce sedation or drowsiness. However, the sedative effects of benzodiazepines and alcohol may be accelerated when administered concomitantly with Prepulsid. The effects of Prepulsid are antagonized by anticholinergic drugs. Side effects: Abdominal cramps, borborygmi and loose stools (diarrhoea) are mainly mild and transient and rarely require discontinuation of treatment. Reports of headaches, lightheadedness and convulsions have been received infrequently. Overdosage: Treatment

should include gastric lavage, close observation and general supportive measures. **Pharmaceutical Precautions**: Store at room temperature and protect from light. **Product Licence Number**: Prepulsid 10mg tablets. PL 0242/0136. **Basic NHS cost**: 112 tablets — £36.00. (correct at time of printing). Further information available from:—





Rapid relief for patients gripped by IBS

Colofac rapidly relieves the symptoms of Irritable Bowel Syndrome by a direct action on colonic smooth muscle.

Colofac eliminates spasm without the anti-cholinergic side effects that can prove troublesome to the patient.

Prescribing Information

Presentation: White, sugar-coated tablets each containing 135mg mebeverine hydrochloride. Available in packs of 100. Basic NHS price £8.35. Yellow, banana-flavoured sugar-free suspension containing mebeverine pamoate equivalent to 50mg mebeverine hydrochloride per 5ml. Available in bottles of 300ml. Basic NHS price £3.50. Indications: 1. Irritable bowel syndrome. 2. Gastro-

intestinal spasm secondary to organic diseases. **Dosage and Administration**: Tablets: Adults and children ten years and over: One tablet three times a day, preferably 20 minutes before meals. Suspension: Adults and children ten years and over: 15ml (150mg) three times a day, preferably 20 minutes before meals. **Contra-indications, warnings, etc:** Animal experiments have failed to show any terato-

genic effects. However, the usual precautions concerning the administration of any drug during pregnancy should be observed. **Product Licence Number:** *Tablets:* 0512/0044: *Suspension:* 0512/0061.
Further information is available on request to

dunhar

loosens the grip of IBS

Duphar Laboratories Limited, Gaters Hill, West End, Southampton, SO3 3JD. Telephone: 0703 472281

C/Hosp Ad/1/88



PEPCID PH 40

(famotidine)

ONE AT NIGHT CAN MAKE THEIR DAY

Abridged Product Information

Refer to Data Sheet before prescribing.
INDICATIONS Duodenal ulcer: prevention of relapses of duodenal ulceration; benign gastric ulcer: hypersecretory conditions such as Zollinger-Ellison

syndrome. **DOSAGE** In duodenal and benign gastric ulcer. 40 mg at night for four to eight weeks. For prevention of duodenal ulcer recurrence, 20 mg at night. Initiate antisecretory therapy of Zollinger-Ellison syndrome with 20 mg every six hours and adjust to individual response. The maximum dosage used for up to one year was 480 mg daily.

CONTRA-INDICATION Hypersensitivity.

PRECAUTIONS Exclude any likelihood of gastric carcinoma before using 'Pepcid' PM. Consider reducing the daily dose if creatinine clearance falls to or below 30 ml min. 'Pepcid' PM is not recommended in pregnancy, nursing mothers or children.

SIDE EFFECTS Rarely, headache, dizziness, constitution distributed. Less frequently, dry mouth

SIDIE EFFEC 18 Rarely, headache, dizziness, consti-pation, diarrhoea, Less frequently, dry mouth, nausea, vomiting, rash, abdominal discomfort, anorexia, fatigue.

BASIC NIIS COST 20 mg tablets, £14,00 for 28-day calendar pack and £25,00 for bottles of 50.

40 mg tablets. £26.60 for 28-day calendar pack and £47.50 for bottles of 50. **Product Licence Numbers:** 20 mg tablets. 0025-0215: 40 mg tablets. 0025-0216.

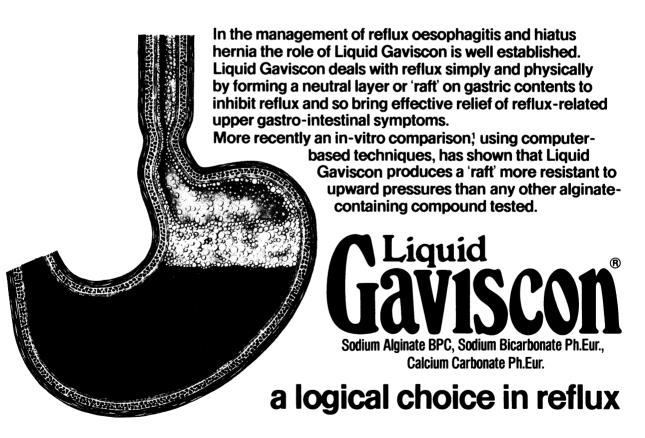
Issued December 1989

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Thomas Morson Pharmaceuticals Division of Merck Sharp & Dohme Limited Hertford Road, Hoddesdon, Herts., EN11 9BU





Prescribing Information

Active Ingredients: Sodium Alginate BPC 500mg, Sodium Bicarbonate Ph.Eur. 267mg, Calcium Carbonate Ph.Eur. 160mg per 10ml dose. Indications: Heartburn, including heartburn of pregnancy, dyspepsia associated with gastric reflux, hiatus hernia and reflux oesophagitis. Contra-indications: None known. Dosage and Administration: Adults, children over 12: 10-20ml liquid after meals and at bedtime. Children under 12: 5-10ml liquid after meals and at bedtime. Infants: not recommended.

Note: 10ml liquid contains 6.2mmol sodium. Basis NHS Cost: As at Jan. 1989: 500ml liquid £2.88. PL: 44/0058. Irish Price IR £3.72. Irish P.A. No.: 27/12/1.

Reference

1. Washington, N. et al., Int. J. Pharmaceut. (1986) 28, 139-143 Further information is available on request. Reckitt & Colman Pharmaceutical Division, Hull HU8 7DS.

Registered trade mark.

SOME THINGS APPEAR TO BE SLIGHTLY DIFFERENT



Take for example peptic ulcers. For years people were convinced that the pathophysiology was related to gastric acid; healing no longer seemed to be a major problem, except for the high relapse rates.1)

In 1983 J.R. Warren and B.J. Marshall²⁾ unearthed another pathological factor: Helicobacter pylori*. Since their historic rediscovery, evidence of the connection between H. pylori in the gastric mucosa on one hand and histologically proven gastritis and peptic ulcers on the other has become stronger and stronger. Chronic gastritis and ulcer relapse are highly associated with H. pylori.3) De-Nol® is the only ulcer healer that is active against H. pylori. Therefore the relapse rates after termination of therapy are much lower than with acid-suppressant preparations.4) What is more: among patients in whom H. pylori was eradicated and who remained H. pylori negative in the year of follow-up, the relapse rate of peptic ulcers was only 0-10%.4, 5, 6, 7, 8) The pathogenesis and cure of peptic ulcers therefore appear to be slightly different from what was assumed for years.

* formerly known as Campylobacter pylori



CYTOTEC Abbreviated Prescribing Information

Presentation: Tablet containing misoprostol 200 micrograms. Uses: Healing of duodenal and gastric ulcer induced by non-steroidal anti-inflammatory drugs (NSAID) in arthritic patients at risk, whilst continuing NSAID therapy Prophylaxis of NSAIDinduced ulcers. Healing of duodenal and gastric ulcer. Dosage: Adults including the elderly. Healing of duodenal and gastric ulcer: 800 micrograms daily in two or four divided doses taken with breakfast and/or each main meal and at bedtime. Prophylaxis of NSAID-

induced ulcer: 200 micrograms twice daily, three times daily or four times daily. Refer to data sheet for additional

information.

Contraindications: Pregnant women, women of child-bearing age, patients allergic to prostaglandins.

Precautions: Cytotec does not produce hypotension in clinical studies at ulcerhealing doses, nevertheless exercise caution in disease states where hypotension might precipitate severe complications.

Adverse reactions: Mild and transient diarrhoea may occur. Other adverse events reported included abdominal pain, dyspepsia, flatulence and nausea, although a causal tionship to Cytotec has experience and pain to complete the complete that the co



Soften the impact of NSAIDs on the stomach with prostaglandins

Cytotec is a prostaglandin analogue and therefore replaces G.I. prostaglandins depleted by NSAIDs.

Unlike H₂ receptor antagonists,
Cytotec not only inhibits gastric acid
secretion¹ but also protects the
gastric mucosa by stimulating
bicarbonate secretion², increasing
mucus secretion¹ and enhancing gastric
mucosal blood flow.³

Refere

1. Wilson DE, Quadros E, Rajapaksa T, Adams A, Noar M. Dig Dis Sci 1986; 31 (suppl): 126s-129s. 2. Isenberg JL, Hogan DL, Koss MA, Selling JA. Gastroenterology 1986; 91: 370-378. 3. Sato N, Kawano S, Fukuda M, Tsuji S, Kamada T. Am J Med 1987; 83 (suppl IA): 15-21.

SEARLE %GOLD CROSS

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IT MAKES LIFE WORTH LIVING.



Effective control of ulcerative colitis is only half of Colifoam's success story. As thousands of patients previously managed with aqueous enemas have found, its simplicity and ease of retention has transformed their lives.

Colifoam causes little if any disturbance to their daily routine, and enables patients to enjoy their normal social and outdoor activities!

Equally as effective as steroid enemas, Colifoam is now established as the leading treatment for ulcerative colitis. It is also unique among foam treatments with an unrivalled 12 years of proven efficacy and safety in clinical practice.



The leading topical treatment for ulcerative colitis.

PRESCRIBING INFORMATION: Presentation: White odourless aerosol containing hydrocortisone acetate PhEur 10%. Uses: Ulcerative colitis, proctosigmoiditis and granular proctitis. Dosage and administration: One applicatorful inserted into the rectum once or twice daily for two or three weeks and every second day thereafter. Shake can vigorously before use (illustrated instructions are enclosed with pack). Contra-indications, warnings etc.: Local contra-indications to the use of intrarectal steroids include obstruction, abscess, perforation peritonitis, fresh intestinal anastomoses and extensive fistulae. General precautions common to all corticosteroid therapy should be observed during treatment with Colifoam. Treatment should be administered with caution in patients with severe ulcerative disease because of their predisposition to perforation of the bowel wall. Safety during pregnancy has not been fully established. Pharmaceutical precautions: Pressurized container. Protect from sunlight and do not expose to temperatures above 50°C. Do not pierce or burn even after use. Do not refrigerate. Keep out of reach of children. For external use only. Legal category: POM. Package Quantity & Basic NHS cost: 25g canister plus applicator, £7.25. Further Information: One applicatorful of Colifoam provides a dose of approximately 125mg of hydrocortisone acetate, similar to that used in a retention enema, for the treatment of ulcerative colitis, sigmoiditis and proctitis. Product Licence No.: 036/021. References I. Somerville KW et al. British Medical Journal 1985; 291:866. 2. Ruddell WSJ et al. Gut 1980; 21:885-889. 3. Independent Research Audit. Data on File. Further information is available on request. Stafford-Miller Ltd., Professional Relations Division, Broadwater Road, Welwyn Garden City, Herts. AL7 3SP.

ULCER-FREE TREATMENT-FREE

Make treatment-free remission your personal victory against duodenal ulcer. After all, when treatment ends, people feel you've truly made them well again.

By selecting De-Nol, 68% of your patients may remain ulcerfree and treatment-free. That's because only De-Nol stops their pain² and heals ulcers while *additionally* clearing H. pylori, the bacterium strongly associated with ulcer relapse.

De-Nol is your way to prove that today, treatment of duodenal ulcer need never be regarded as a life sentence.



dose of De-Noltab as these can interfere with the action of the drug. PACKAG CATEGORY UK P. BASIC NHS PRICE De-Noltab: £20.98. De-Nol: £14.65. FUBLIC OF IRELAND To be supplied on prescription only. GMS PRICES De-Nol: £2/23/1. References 1. Smith, AC., Gut, (1988); 29: A711 2. Blanchi Porro, G. DE-VOL*

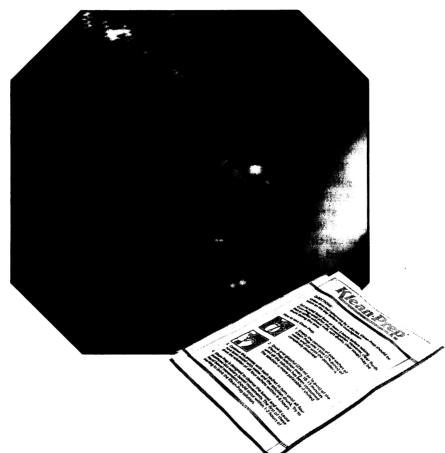
(tri-potassium di-citrato bismuthate) WITH H. PYLORI CLEARANCE

TRUE LIBERATION FROM DUODENAL ULCER

(calculated continued to the continued t

Klean-Prep

Polyethylene glycol 3350, sodium sulphate, sodium bicarbonate, sodium chloride, potassium chloride



Today's choice for a clean colon

for colonoscopy, colonic surgery, barium enema

- Bowel cleansing Superior bowel cleansing to standard regimens (1,2).
- Safety Negligible water and electrolyte disturbance (3).

Picture © Telemed 1989

- Well tolerated (1,2,4) Pleasantly flavoured.
- Economy Shortens preoperative stay (1,2,4).

Abbreviated Prescribing Information: Presentation: An off-white powder, packed in 4 sachets. Each sachet contains: Polyethylene Glycol 3350 59.00g, Sodium Sulphate 5.685g, Sodium Bicarbonate 1.685g, Sodium Chloride 1.465g, Potassium Chloride 0.7425g. Uses: Bowel preparation before colonoscopy, colonic surgery, radiological examination and other related procedures. Dosage and Administration: Reconstituted solution for oral administration. Adults (including the elderly): The contents of one sachet to be dissolved in 1 litre of water. 250ml to be drunk rapidly every 10-15 minutes until all the solution has been consumed. The procedure to be repeated with all four sachets or until the rectal effluent is clear. The solution from all 4 sachets should be drunk within 4-6 hours. No dosage changes need be made for patients with renal insufficiency. If administered by nasogastric tube the rate of administration should be 20-30ml/minute. Children: Not recommended. Contra-indications, Warnings etc. Contra-indications: Gastro-intestinal obstruction or perforation, ileus, gastric retention, acute intestinal or gastric ulceration, toxic colitis or megacolon. Patients with body weight less than 20kg. Warnings: Extra care should be taken in patients with impaired gag reflex, reflux oesophagitis, those with diminished levels of consciousness For further information on Klean-Prep, please return this coupon to. weight less trian Zukg. Warnings: Extra care should be taken in patients with impaired gag reflex, reflux desophagits, those with diminished levels of consciousness and in ulcerative colitis. Interactions: All oral medications should be given at least 1 hour prior to administration. Side-effects: Nausea, abdominal fullness, bloating may be experienced. Abdominal cramps, womiting and anal irritation occur less frequently. These effects normally subside rapidly. Urticaria and allergic reactions have been reported rarely. Should distension or pain arise the rate of administration may be slowed. Use in Pregnancy: Careful consideration should be given before use in pregnancy. Precautions: The reconstituted solution should be refrigerated and used within 24 hours. Any unused portion should be discarded. Package quantity: Unit dose pack of 4 sachets. Basic NHS price: £8.60. Pt. 5628/0003 Licence holder: Birex Pharmaceuticals Ltd.



Further information is available from Norgine Limited. *Klean-Prep is a trademark.

References 1 Fleites RA et al 1985 Surgery 98 4: 708-717; 2 Ernstoff JJ et al 1983

Gastroenterology 84: 1512-1516; 3 Davis GR et al 1980 Gastroenterology 78: 991-995; 4 Beck DE et al 1985 Southern Med J 78: 1414-146.



Think about it

You make a clinical diagnosis. Do you ever consider the thought processes by which you arrived at it? Medical students and practitioners are often concerned with examples of diagnostic logic, but seldom consider them in the context of a general philosophy. Is diagnostic logic out on a limb, or is it based on the same principles as logic in general?

In Logic in Medicine doctors and philosophers combine to provide a coherent system of diagnostic logic with a broader view of the science and art of reasoning.

LOGIC IN MEDICINE

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