ΞΕΝΟΓΛΩΣΣΕΣ ΑΝΑΚΟΙΝΩΣΕΙΣ (ABSTRACT) ΕΛΛΗΝΩΝ ΕΡΕΥΝΗΤΩΝ

Digestive Disease Week, 16-19 May 1999, Orlando, FL Gastroenterology 1999;116(4):A164

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■ G0712

EXPRESSION OF FASL AND PS2 MOLECULES ON GASTRIC EPITHELIAL CELLS IS INDEPENDENT OF HELICOBACTER PYLORI (HP) INFECTION.

PYLORI (HP) INFECTION.

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Interaction between Fas and FasI, seems to be involved in apoptosis mainly in the immune system; pS2 is a urefoil peptide involved in gastrointestinal. (Gl]mucosa repair. In this prospective work the expression of FasI, and pS2 in HP gastrists before and after eradication was studied. Patents-Methods. Twenty four symptomatic patients were studied. Upper GI endosopy was performed and at least 4 biopsies were cottained (aprint):2, body:2) for CLO test and histology(Sydney classification);18 patients were HP(+)and 6 HP(-) by both Eradication therapy was given to HP(+) patients and all were endoscoped 102 ± 5.36 after. Formalin-fixed parafin embedded tissue sections were stained by the ABC immunosikaline phosphatase method and Fast-Red.Rabbit polyclonal anti-Fast(Santa-Cruz) and and-pS2 (YLEM) antibodies were used-FasI antigen unmasking was performed by LEM) antibodies were used-FasI antigen unmasking was performed by the antibodies were used-FasI antigen unmasking was performed in microwave oven.Staining intensity was graded from 0-2+ Results. At bascline, FasI, and pS2 were steadily expressed by gastric epithelial cells in both HP(+) and HP(-) patients; however, pS2 was not expressed in areas of intestinal metaplasis. The pattern of expression for both molecules remained almost the same after eradication. Conclusions. 1-FasI, and pS2 were expressed by gastric epithelial cells irrestination through a pS2 dependent mechanism. 3. FasL possibly contributes: a. to epithelial homeostasis by inducing apoptosis in Fas(+) epithelial cells (unpublished data); bit downregulation of inflammation by inducing apoptosis in Fas(+) mucosa infiltrating activated lymphocytes. Interaction between Fas and FasL seems to be involved in apoptosis mainly mucosa infiltrating activated lymphocytes.

€ €1104

RANDOMIZED STUDY TO INVESTIGATE IF PROLONGATION OF OMEPRAZOLE (O) TREATMENT ADDS TO THE HEALING RATE OF DUODENAL ULCERS (DU), Spyros Michopoulos, Panayotis Tsibouris, Aggelika Balta, Maria Sotiropoulou, Michael Economou, Georgios Galanopoulos, Ioannis Vougadiotis, Nick Kralios, Alexandra Hosp, Athens Greece

S. Michopoulos, P. Tsibouris, A. Balta, M. Souropoulou*, M. Economou, G. Galanopoulos, I, Vougadiotis, N. Kraljos, Castroenterology and Pathology* Units, Alexandra University Hospital, Athens, Greece. Although H. ogy* Units, Alexandra University Hospital, Athens, Greece, Although H. pylori eradication (HPE) treatment is universally accepted for patients with DU, it is not clear if prolongation of antisecretory treatment beyond the end of antibiotic administration is necessary. Aim of the study: To evaluate if prolongation of O treatment could influence healing results. Patients and methods: 202 DU patients (mean age 52.3± 14.3 years, 114male, 72smokers) HP(-) after finishing a 10 days HPE regimen with O 20mg bid, clarithtomycin 500mg bid & amoxyclline 1g bid, were randomly assigned to continue on O 20mg qd for 7 (Groupl-62 patients), 21(Groupl-64 patients) or 35 days (Group III-76 patients) respectively. Groups were comparable for sex, age and smoking, Endoscopy was performed one month after treatment completion and HPE was considered successful when both histology & CLO-test*(Delta West LTD) were negative. For conflicting results 10-curae breath test was performed. For unhealed ulcert serum gastrin was evaluated. Stat. X² test, trest. Results: All patients had a follow up endoscopy. HPE rates and healing rates among patients with successful gastrin was evanuated. SIZE X* test, t-test. Results: All patients had a follow up endoscopy. HPE rates and tealing rates among patients with successful HPE are shown on the table: No patient had high gastrin in serum. Conclusions; 1) Uter healing after successful HPE is high, 2) Prolongation of antisecretory treatment for more than a week following HPE regimen, does not increase ulcer healing rate.

	Group I	Group II	Group II	Stat
HPE%(CI)	87.1(78.5-95.7)	90.6(83.3-97.7)	93.4487.7-99.1]	NS
Healed%(CI)	92.5(85.4-99.8)	93.1(86.4-99.8)	90.1(83.0-97.2)	N\$

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INFLUENCE OF COMORBID DISEASES ON ULCER HEALING RATE (UHR) AFTER SUCCESSFUL H. PYLORI ERADICATION

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For interest economou, Georgios Garanopoutos, Intin Papaspyrou, Nick Kralios, Alexandra Hosp, Athens Greece

S. Michopoutos, P. Tsibouris, A. Balta, M. Sotiropoutou*, M. Beonomou, G. Galanopoutos, I. Papaspyrou*, N. Kralios, Castroenterology and Pathology* Units, Alexandra University Hospital, Athens, Greece, Prolongation of acid suppression after HPE treatment is disputable. Aim of the study: To evaluate the influence of comorbid diseases on UHR. Patents and methods: In 181 patients (mean age 52.22-14.1 years, 105 male, 66 smokers) successfully eradicated with various 10 day regiment, endoscopy was performed 1 and 3 months after successful HPE, to access UHR. HPE was verified by histology, CLO-test and ¹⁰C-urea breath test, Complete clinical and laboratory evaluation for comorbid diseases was performed. For unihealed ulcers serum gastrin was evaluated and omeprazole 20mg qd was given. Stat. X²-test, t-test, Results: UHR after successful HPE was: 89% (Cl 84.3-95.6). No patient had high serum gastrin. All uters healed within 3 months of follow up. Chronic renal failure (10 patients-none on NSAID, LHR:49%, p<0.001), cardiovascular diseases (28 patients, UHR:79%, p=0.05) and NSAID use (32 patients, UHR:79%, p=0.01) were related with reduced UHR, after successful HPE. Healing failure for cardiovascular diseases, emmand significant despite NSAID use exclusion (p=0.01). Gastrointestinal bleeding (50 patients, p=0.78), rheumatic diseases, endocrinopathies, diabetes melluss, extragastric neoplasias, neuropathies and pneumonopathies did not affect ulcer healing. Excluding patients with chronic renal failure, NSAID use and eardiovascular diseases and NSAID was are related with reduced UHR despite Conchisions i)UHR after successful HPE. Those matients was related iith reduced IHR despite sources scale and NSAID was an related with reduced IHR despite sources scale and NSAID was are related with reduced IHR despite sources scale and NSAID was are related with reduced IHR despite sources scale and NSAID was are related ii HPE is high. 2/Chronic renal failure, cardiovascular diseases and NSAID use are related with reduced UHR despite successful HPE. Those patients need prolongation of anusecretory treatment.

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C0738

LANSOPRAZOLE VS RANITIDINE BISMUTH CITRATE (RBC) BASED SHORT-TERM TRIPLE THERAPIES FOR HELICOBAC-TER PYLORI (HP) ERADICATION: A RANDOMISED STUDY WITH 6-MONTH FOLLOW-UP

WITH 6-MONTH FULLOW-DP Solirios Georgopoulos, Stylianos Karatapanis, Dipitrios Papamarkos, Niki Vretou, Vasiliki Damala, Vasihos Artikis, ELPIS Gen Hosp, Athens Greece; Andreas Mentis, Hellenic Pasteur Institte, Athens Greece

The aim of our study was to compare the eradication rates and the safety The aim of our study was to compare the cradication rates and the safety profiles of two short-term therapies containing Lansoprazole (LAN) or RBC. Patients-Methods: Eighty-five patients (median age 46. range 17–82) with documented Hp infection (by CLO-test and histology) and either with endoscopically proven peptic ulcer (n=52) or dyspepsia [n=33] were randomized to receive LAN 30 mg bid plus Clarithromycin (CL) 500 mg bid plus Amoxycillin (AMO) 1 gr bid for one week (Group A, n=43), or RBC 400 mg bid plus CL. 500 mg bid plus AMP 1 gr bid for one week (Group B, n=42). Hp cradication was assessed 4 weeks and 6 months after (Group B. n [™] 42). He radication was assessed 4 weeks and 6 months after the completion of treatment (by CLO-test and histology). A CL sensitivity test was carried out in the cultured pre treatment (57/85, 67.1%) and post treatment (97/85, 57.1%) high strains. Results: Two (3.5%) High strains exhibited primary and only one secondary CL resistance. The eradication rates according to Intention To Treat (ITT) and Per Protocol (PP) analyses are summarized in the table. All side effects in both groups were ruld and no patient discontinued treatment due to adverse events. Conclusion: Short-term therapies based on LAN or RBC proved equally effective during a 6 month follow-up. A trend towards a decreasing efficacy at 6 months was only observed in RBC based treatment.

Ho madication	सर (1 mo)	PP (1 mo)	fiff (6 mo)	PP (6 mo)	
Слоир А	35/43 (81.4%)	35/39 (89.7%)	31/43 (72.1%)	31/35 (88.6%)	
Стоир В	34/42 (81.0%)	34/40 (85.0%)	27/42 (64.3%)	27/35 (77.1%)	

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G1290

EFFECTIVENESS OF ANTI-SECRETORY THERAPY IN PRE-VENTING GASTROESOPHAGEAL REFLUX DISEASE (GERD) AFTER SUCCESSFUL TREATMENT OF HELICOBACTER PY-LORI INFECTION.

DONE INVESCITION.

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There is increasing evidence that Helicobacter pylori (H. pylori) eradical tion might predispose to gasmoesophageal reflux disease(GERD). However, no studies exist examining the usefulness of acid suppression in preventing GERD after H. pylori eradication. The alm of this prospective study was to examine the effectiveness of anti-secretory treatment, after successful H. pylori eradication, in preventing GERD. Methods: Eighty initially H. pylori(+) patients, without GERD at the time of H. pylori eradication [50 peptic uleer (PU) and 30 non-uleer (NU), 55M, 25F, median 2g 38 yrs, range 19-57] after successful H. pylori eradication were randomized to receive either Omegrapole 20me daily (group. Alor one year or no recieve either Omeprazole 20mg daily (group A)for one year or no treatment (group B). All patients underwent upper Gl endoscopy at 6 and 12 months or when GERD symptoms occurred. Results: There were 40 patients in group A and 40 patients in group B. There were no statistically significant in group A and 40 patients in group B. There were no statistically significant differences between the two groups as far as sex, age, body weight and other demographic data were concerned. During follow up 7 patients from group B were lost and therefore there were 33 and 35 patients from group B were lost and therefore there were 33 and 35 patients respectively in groups A and B who completed the protocol. One out of 33 patients in group A(3%) and 10/35 (28.5%) in group B developed GERD symptoms during follow-up(p=0.0055). The respective values for exophaguts were 0/33/0%) and 6/35/(1.1%) (p=0.0249, Tisher's exact test). Conclusion: H. pylon(+) patients after successful eradication and without anti-secretory treatment develop GERD in a significantly higher proportion than patients who receive anti-secretory treatment. This and other relative evidence stress the need for critical evaluation of the indications for elimination of this orwanism. indications for elimination of this organism.

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Gastroenterology 1999:116(4):A770

● G3337

SHORT-TERM REMISSION OF CROHN'S DISEASE AFTER TREATMENT OF H. PYLORI INFECTION.
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Aim: To compare anti-Hp treatment and prednisolone in the induction of remission of Crohn's disease (CD). Methods: 70 consecutive patients with a first mild-to-moderate attack of iteal or ileocolonic CD were endoscoped. remission of Grohn's disease (CD). Methods: 70 consecutive patients with a first mild-to-moderate attack of iteal or ileocolonic CD were endoscoped. Biospies were taken from the gastric antrum, body and fundus to assess blindly for Hp infection, Hp gastricis and focally enhanted gastricis (focal penglandular CD3+, CD45RO-, CD68+ inflammatory influrters). Patients found to be Hp+ by CLO-test and innuunohistochemistry received OAC14 (omeprazole 20mg bd, amosquillin 1g bd, clarithromycin 0.5g bd for 14 days) and were re-endoscoped 8-10 weeks later. Hp- patients received gredinisolone (0.75mg/kg tapering 5mg/week). The CDA1 was calculated before and 8-10 weeks after reasonant onset. Rerults: 30 patients were Hp+ (43%, group A) and 40 Hp- (group B). No significant differences were found in any demographic, clinical, laboratory, endoscopic (erythema, erosions, aphthae) or histologic (granulomas, microgranulomas, aphthoid ulcers, focal gastriis) data between groups A and B. No peptic ulcer disease was found Focal gastriis was detected in 21 Hp- and 19 Hp+ patients before treatment and was evenly distributed in the antrum and body/fundus. Hp+ patients had in addition typical features of Hp gastriis. After reatment clinical remission was achieved in all patients. The CDAI fell from 310(265-345)(mean.range) to 1351(20-145) in group A and from 31(265-345) to 1251(20-138) in B (9-600001). OAC14 eradicated Hp in 28(93%) patients; this resulted in healing of aphthae in 45 and erosions in 11/12 patients, remission of Hp gastriis and identification of focal gastriis/morganulomas in 4 more patients. Thus, OAC14 achieved at least short-term chrical remission of CD comparable to prechisolone and by healing Hp gastriis revealed previously undetected features of CD gastriis. Digestive Disease Week, 16-19 May 1999, Orlando, FL Gastroenterology 1999:116(4):A316

● G1384

HLA-DR AND EXPRESSION OF COSTIMULATORY MOLECULES (CM) (B7-1,B7-2,1CAM-1) ON GASTRIC EPITHELIAL CELLS IN H PYLORI(HP) GASTRITIS.
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drus, Dept of Pathophysiology, Autens Greece

There is evidence, that HP infection upregulates HLA-II molecules on gastric epithelial cells(GEC). In this study we prospectively evaluated whether GEC are capable of "complete" antigen presentation through additional expression of CM in HP gastritis, Patients-Methods. Thirry symptomatic patients were studied, Upper GI endosopy was performed and at least 4 biopsies were obtained (annual-2, body/2) for CLO-test and histology (Sydney classification); 23 patients were HP(+) and 7 HP(-) controls by both methods. HP eradication therapy was given to HP(+) patients and all patients were endoscoped 116 ± 9d after. Formalia-fixed parties and all patients were endoscoped 116 ± 9d atter. Formatin-fixed parafin embedded tissue sections were stained by the ABC immunoalkaline phosphatase method. Mouse monoclonal anti HLA-DR (a chain,DAKO), goat polyclonal anti 87–1, anti 87–2(Sana-Cruz), mouse monoclonal anti-CAM-I(Zymed) were used. Antigen unmasking was performed by heat treatment in microwave oven. Results. 20/23-patients eradicated HP.In heat treatment in microwave oven. Results. 20/3/patients eradicated HP in HP gastrids, HLA-DR was expessed and correlated with disease activity(Spearman,p=0.002). No HLA-DR expression was observed in controls. In HP eradicated patients significant inhibition of HLA-DR was found(Wilcoxon,p=0.0001). ICAM-1, expressed on GEC in 85% of HP(+),did not correlate with gastrids parameters and subsided after eradication.B7-1. B7-2 expressed in controls and HP(+)patients with a predominance of B7-1:no significant inhibition observed after eradication. Conclusions-GEC acquires APCs properties in HP infection through the de novo expression of HLA-DR and CM. This phenomenon seems to attenuate after eradication and resolution of microsit inflammation. eradication and resolution of mucosal inflammation

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G3338

THE VALUE OF GASTRIC BIOPSIES IN THE DIAGNOSIS OF CROHN'S DISEASE

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The aim of this prospective study was to assess the value of gastric biopsies in the disgnosis of Croha's disease (CD). Gastroscopy was performed before any reastment in consecutive pasients with intrible bowed syndrome (IBS, 80), newly diagnosed ulcerative colitis (UC, 35), a first attack of ileocolonie CD (70), microscopic colitis (MC, 25) and celiac disease (25). Biopsies taken from the duodenum and the gastric annum, body and fundus were examined blindly for the presence of H. pylori, Hp gastritis (Houston Update System) and features thought to be characteristic of CD gastritis (aphthoid ulcers, granulomas, microgranulomas and focally enhanced gastritis (CD3+rCD45RO+rCD68+ inflammatory inflorates)). Hp was found in 304489 patients with CD, 174889 with UC, 43(33%) with IBS, 12(48%) coeliacs and 13(52%) with MC (p>0.03). Peptic ulcer disease was not found in any patient. Brytherna was the only endoscopic finding in the stomach of non-CD patients. Erosicos or aphthae were found in 13(22%) and erytherna in 25(36%). CD patients. Granulomas were found in 18(10Hp+), microgranulomas in 29(16Hp+) and focal gastritis in 46 (66%), 19Hp+127Hp-) of 70 CD patients. Granulomas were predeominantly distributed in the antrum, body and fundus. None of the non-CD patients showed features of Hp gastrits but its severity and grade were similar between patient groups. The positive and negative predictive value of focal gastritis is a reliable indicator of CD, which may be of particular value in the differential diagnosis of intermittent diarrhea or indeterminance colitis.

Dipestive Disease Week, 16-19 May 1999, Orlando, FL Gastroenterology 1999:116(4):A835

DOES H.PYLORI INFLUENCE THE COURSE OF ULCERATIVE

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H Pylori (HP) induces the immune response of the host and has been implicated to various extragastric diseases. The aim of this study was to investigate the influence of HP on the clinical course of Ulcerative Colitis (UC). Therefore, all patients (ps) with UC followed at the IBD clinic from September 1994 to November 1998, with uce follow-up and inactive Golitis are at least one month before entry, were included, IgG antibodies to HP were detected at the historical sera, whereas patients who had taken eradication therapy, were excluded. The observed (O) relapses were classified according to their yearly occurrence during the follow-up period and were compared to the expected (E) ones, that were estimated by multipling the whole number of O relapses by the weighted value (WV, WV=No of pts at risk of relapse yearly + No of pts/years of the follow-up period). Fifty nine consecutive pts (37men - 22wormen, mean age 50-19y), followed-up for a mean of 3d (range 12-51) months, accountage for 161 persontlyear, were included during the study period. Twenty pes (33)-9%) were found to be HP(+). HP(+) and HP(+) pts were almost identical as far as the duration of the disease is concerned and the duration of follow-up, Ninety three relapses of UC were observed with a mean number of 2 (range 0-5) per patient (QE: 53/34 the 1* year, 22/31 the 2* year, 11/18 the 3* year and 7/10 the 4* year). Fourthern patients (23,7%) remained in remission during the whole study period and did not differ according to the HP status (p=0.5). Seventeen pts had been followed up for 48 months concernicated in one significant difference of the HP(+) pts did not differ from the expected ones (9<0.36). Therefore we concluded that HP did not influence the clinical course of ulceranive colidis.

XIIth International Workshop on Gastroduodenal Pathology & Helicobacter pylon, 2-4 Sept 1999, Helsinki, Finland Gut 1999;45(Suppl III):A75

10/03 RANDOMIZED STUDY COMPARING IF PROLONGING OMEPRAZOLE (O) TREATMENT AFTER HP ERADICATION INCREASES DUODENAL ULGER (DU)

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Pethology Linis, Attenandar University troppins, Americ, Greece The need for prolongation of antisecretary areament after HP cradication maximent is disputable. The aims of our study were: 1) to evaluate if prolongation of antisecretory treatment could influence healing and 2) to estimate the influence of comorbid diseases on ulcer healing. Pattents and Methods: 250 patients with DU and HP after finishing a 10 days enablestion regimen with D 20 mg did clandromogrom 500 mg bid, annosycitine 1 g bid, were randomly assigned to continue O 20 mg did for 7 (Grough-F3 patients); 12 (Grough-F3 patients); 12 (Grough-F9) and patients of 35 days after installing factories was performed to access DU healing 4-6 weeks after treatment completion. HP cradication was verified by histology, CLO-net and ¹¹C-time breath test Complete clinical and shortourly evaluation to access comorbid diseases, was performed, for unbealed ulcers serim gastin was evaluated, before starting O 20 mg qd. Analysis was performed only to those who accepted endoscopy.

Star: X'-test overs, university (9 < 0.10) and multivariate analysis (9 < 0.05).

those who accepted endoscopy. Star: X'-test, retest, univariate (p < 0.10) and mulnivariate analysis (p < 0.05). Results: 562 patients had a follow up indoscopy (mean age 52.7±14.7 years, 150 mates, 90 smokers). Endication rates were: Group 1: 55.4x'(Cl 77.6–93.2). Group III: 8674 (Cl 78.6–93.5). Group III: 8674 (Cl 78.6–93.5). p > 0.1. Heating rates after successful endication were: Group I: 32.9x'(Cl 78.6–91.9). Group III: 84.2x'(Cl 78.5–94.5). Group III: 86.9x-93.4. p > 0.1. Heating rates for those not endicated: Group I: 16.7x'(Cl 38.6–91.9). Group III: 84.2x'(Cl 78.5–94.5). Group III: 61.5x'(Cl 78.6–91.9). Only one patient presented gastrinoma. In all other patients ulcers healted within 3 months. Age, female sex, chromic enal failure and VSAID's use were related in univariate analysis with failure in ulcer healing after successful endication. Only chromic renal failure in el. 4. healing rate 25 % p < 0.091) and NSAID's use in 46. healing rates 37x'(p < 0.091) and NSAID's use of 46. healing rates after successful endication increased so 100x' for all dues groups.
Concultions: 1) Ulcer thesing after successful HP endocation increased so 100x's for all dues groups.
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Concultions: 1) Ulcer thesing after successful HP endocation increased so 100x for all dues groups.
Concultions: 10 Ulcer thesing after successful HP endocation is high. 3) Prolongation of Antisecretary treatment for note than 2 west after histographics. For those patients protongation of antisecretory treatment needs farther evaluation.

needs farther evaluation

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G4465

HELICOBACTER PYLORI (HP) INFECTION DOES NOT AFFECT GASTRIC EMPTYING IN PATIENTS WITH FUNCTIONAL DYS-PEPSIA (FD).

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The purpose of this study was to determine whether gastric emptying in patients with FD is affected by Hp infection and its eradication. Gastric emptying of a standard semistoil meal was evaluated by the acetaminophen absorption technique (Heading et al. Br J Pharmacol 1973; 47: 415–421). Biopsy urease test and serology (Hp IgG ELISA) assessed Hp status. The study consisted of two parts. First was a companion of gastric emptying in Hp-positive and Hp-negative patients with FD and saymptomatic controls. The second was a therapeutic trial investigating the effect of Hp eradication on gastric emptying in Hp-positive patients with FD four weeks after treatment. 33 patients with FD (24 Hp-positive and 9 Hp-negative) and 17 controls where evaluated. Patients with FD had significantly prolonged gastric emptying compared with controls: mean maximum plasma acetaminophen concentration divided by body weight (Cm_m/BW) was 0.173 and 0.224 µg/ral-kg respectively (p=0.02). The area under the plasma acetaminophen concentration-time curve divided by body weight (AUC/BW) was 18.4 and 24.4 µg min/ml-kg respectively (p=0.01). Gastric emptying did not differ significantly between Hp-positive and Hp-negative patients with FD. Mean C_{mm}/BW was 0.176 and 0.167 µg/ml-kg respectively (p=0.9). Mean AUC/BW was 18.8 and 17.4 µg min/ml-kg respectively (p=0.9). Mean AUC/BW was 18.8 and 17.4 µg min/ml-kg respectively (p=0.9) headication in 14 Hp-positive patients with FD did not affect gastric emptying significantly. Mean C_{mm}/BW was 0.170 and 0.160 µg/ml-kg (p=0.9) before and after Hp eradication respectively. In conclusion, although gastric emptying is prolonged in patients with FD, neither Hp infection nor its eradication affect gastric emptying. The purpose of this study was to determine whether gastric emptying in

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10/05 HERPES SIMPLEX VIRUS TYPE I (HSV-1) AS A POSSIBLE FACTOR CAUSING PEPTIC ULCER AND ITS RELATIONSHIP WITH HELICOBACTER PYLORI

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Aim: of the study was the identification of HSV-1 from biopsy specimens Aim: of the study was the identification of HSV-1 from biopsy specimens of patients with active peptic uleer as well as the investigation of a possible relationship between HSV-1 and Helicobacter pylori (HP) for the development of a subset of peptic uleer disease.

Materials-Methods: 90 patients, 34 with prepyloric and 36 with duodenal uleer as well as 50 persons with no evidence of peptic uleer considered

as a control group were examined. Biopsies were taken from the crater and rim of the ulcer, 3 cm away from the ulcer, as well as from exdoxopically healthy mucosa area of the patients and control group. Malignancy in parients with prepylone ulcer was excluded histologically. The method used for the identification of HSV-I was polymerase chain reaction (PCR). Moreover the detection of the HP was achieved by CLO test at samples taken from the antrum and the body of the stomach

Results: Using PCR method for the presence of HSV-1, positive results were found in 28 out of 90 patients (31%) and specifically in 17 out of were found in 25 and of 3V periods (1772) and in \$10 and \$25 patients with disoderal ulcer (30.4%) and in \$10 and \$34 patients with prepyloric ulcer (22.4%). Positive samples for HSV-1 were obtained only from the crater or rim of patients with peptic ulcer disease. Statistically significant difference was found between peptic ulcers cases positive for both HSV-1 and HP (68%) and those negative for HSV-1 and positive for HP (91.9%) (P value 0.009). This difference becomes larger in cases of prepyloric alters positive for HSV-1, where the percentage of positive results for HP is limited to 36.4% of the cases

Conclusions: The above results suggest that HSV-1 is possibly associated with a subset of peptic ulcers. Moreover HSV-1 may act independently from HP, causing peptic ulcer disease.

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[11/06] CLINICAL SPECTRUM OF GASTROESOPHAGEAL REFLUX DISEASE (GERD) AFTER HP ERADICATION IN PATIENTS WITH GASTRODUODENAL ULCER (GDU)

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Esophagitis is reported to be more frequent after successful HP cradication in patients with gastrodusdenal alter (GDU). The aim of the study was to maretigate prospectively the inscidence and severity of gastrosephageal reflux (GERD) and exophagitis (E) in patients with prior GDU 5 menits after treatment completion.

Petients and Methods: 280 patients with prior GDU were consacted 3

Parisens and Methods: 280 patterns with prior UDL were contained a months after HP radication treatment was accomplished. 282 mean age \$2.7±1.4.7 years, 150 male, 90 smokers) accepted to give information and undergo an upper GI endoscopy. HP erindication was reinfied by histology, CCO-text and PC-ures break test. 4.4 grands rating scale was used to collated symptoms of GERD 10 × ages, 1.4 symptoms could be ignored, 2.4 symptoms cannot be agented and 3.7 symptoms indicates connectation or interrupts darly activation). E. was graded according to Savary-Multer-Institute.

classification Stat: Wicknown pair test, chi square, multivanute analysis Results: 37 patients where positive for MP (10 with GERD - 2E), Analysis was performed only for successful MP condication. Results are resumed in the following white:

GERD	Prc#,⊼	PouRx*		3	Prets	Pissi R≥"
Ď	132	116		٥	202) H=
i	12	43	7	1	19	32
2	25	32	7	2	3	s
J	16	14		1.4	1	1

"p = 0.13, " p = 0.006, ProRx & PotiRx. Pro and post cradication conted

From those who had GERD before (n = 93), 10 had no symptoms, 22 From those who had GERD before (n = 93), 10 had no symptoms, 22 had see severe GERD, 42 had the same symptoms and 19 presented an aggravation, while from those who were tree of symptoms (n = 132), 28 reported GERD after treatment. From those with more (a = 23), 11 had no E, 1 was been; 3 without may difference and 7 had aggravated. From those with no E (n = 202), 28 presented E after treatment. Age, smoking, alcohol concumption and histal beenis were not predictive factors either for GERD or for E. There was a trong correlation between GERD and E after HP endectation (n < 0.01). Conclusions: (1) DU patients develop more frequently E, but not GERD three months after cardication treatment. 2) Pre-treatment GERD is aggravated in 20% of patients are improved. 3) Pre-treatment 21% but symptoms of 34% of patients are improved. 3) Pre-treatment is aggravated in 30% of patients are improved. 3) Pre-treatment is aggravated in 30% of patients and first appeared E is presented in 14%. Nevertheless E is of a rather mild form.

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12/14 TREATMENT OF H. PYLON INFECTION MAY INDUCE REMISSION OF GROWN'S DISEASE COMPARABLE TO PREDNISOLONE

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Objectives: To contipare anti-Hp treatment and prodnisolone in the induction of remission of Crohn's disease (CD).

Methods: 75 consecutive patients with a first mild-to-moderate attack of itself or ileocolonic CD were endoscoped. Biopsics were taken from the gasme annum, body and fundus to assess blindly for Hp infection, Hp gastmis and focally enhanced gastrifs (focal perighandular CD3+, CD45RO+, CD68+ inflammatory infiltrates). Hp- patients by CLO-ext, tissiology and immunohistochemistry received OAC₂ (omeprazale 20 mg bd. amosycitish i g bd. clanthomycin O5 g bd. for 14 days and were re-endoscoped 8-10 weeks later. Hp- patients received predisiolone (0.75 mg/kg tapering 5 mg/week). The CDAI was calculated before and 8-10 weeks after treatment onset.

Results: 33 assistints were the tolk's croup a) and 40 were the tolk of the contraction of the contra

weeks after treatment onset.

Results: 33 patients were Hp- (44%, group A) and 42 were Hp- (56%, group B). No significant differences were found in any demugraphic, clinical, lacoratory, endocapie (crythema, erusions, aphibae) or histologic (graymioimas, microgranulomas, phibhod ulcers, focal gastrisis data between groups A and B. No pepue ulcer disease was found. Focal gastrisis was detected in 29 Hp- and 22 Hp- patients before treatment and was evenly distributed in the annum and body/fundus. Hp- patients and was beeten unspread for the armitian and convincious. Page—patients had in addition reporal features of Page, pastories. After treatment charging remosition was archivered in all patients. The COAL fell from 315 (261–347) timeon, ranger to 332 (120–444) in group A and from 315 (250–340) to 125 (119–136) in group B bp < 0.0001); differences in COAL between groups A and B were not significant. OAC₁₄ cradicated Page 130 (1918) patients; this resulted in healing of apithtae in 55 and cressions in 12/13 patients, remission of Page gastrius and identification of focal segmentations of some page 130 (1918) patients.

gastrins:microgranulomas in 6 more patients.

Discussion: OAC is resulted in climical remission of CD comparable to predmissione and by healing Ho gastritis revealed previously undetected features of CD gastritis XIIth International Workshop on Gastroduodenal Pathology & Helicobacter pylori, 2-4 Sept 1999, Helsinki, Finland Gut 1999;45(Suppl III):A82

11/07 EFFECTIVENESS OF ANTI-SECRETORY THERAPY IN PREVENTING GASTROESOPHAGEAL REFLUX DISEASE (GERD) AFTER SUCCESSFUL TREATMENT OF HELICOBACTER PYLORI INFECTION

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There is increasing evidence that Helicobacter pylori (H pylori) erudication might predispose to gastroesophageal reflux disease (GERD) However, no studies exist examining the usefulness of acid suppression in preventing GERD after H. pylori eradication.

Objective: The aim of this prospective study was to examine the effectiveness of anti-secretory treatment, after successful H. pylori gradication, in preventing GERD.

Methods: Eighty initially H. pylori(+) patients, without GERD at the time of H. pylori eradication (50 peptic ulcer (PU) and 30 non-ulcer (NU), 55 M, 25 F, median age 38 yrs, range: 19-57] after successful H, pylori cradication were randomized to receive either Omeprazole 20 mg daily (group A) for one year or no treatment (group B). All patients underwent upper GI endoscopy at 6 and 12 months or when GERD symptoms

occured. Results: There were 40 pts in group A and 40 pts in group B. There were no statistically significant differences between the two groups as far as sex, age, body weight and other demographic data were concerned. During Sollow up 7 pts from group A and 5 pts from group B were lost and therefore there were 33 and 35 pts respectively in groups A and B who completed the protocol. One out of 33 pts in group A (3%) and 10°35 (28.5%) in group B developed GERD symptoms during follow up (p = 0.0045). The respective values for esophagnis were 0°33 (0%) and 6°35 (17.15%) (no. 0.034). Eighter expectively. (17.1%) (p = 0.0249. Fisher's exact test).

Discussion: H. pylon(=) pts after successful eradication and without anti-secretory treatment develop GERD in a significantly higher proportion than patients who receive anti-secretory treatment. This and other relative evidence, stress the need for critical evaluation of the indications for elimination of this organism.

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[14/49] RANDOMIZED COMPARISON OF OMEPRAZOLE (O) AND RANITIDINE (R) WHEN USED FOR H. PYLORI (HP) ERADICATION IN "QUAD" TREATMENT (SECOND LINE) OF PATIENTS WITH EROSIVE DUODENITIS (ED) OR DUODENAL ULCER (DU)

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Few data are available on the efficacy of enadication regimens in patients with ED. The aim of our study was to compare the efficacy of either O or R combined in a "quad" regimen including tripotassium dicinatobismuthate (B), merconidazof (M) and tetracycline hydrochloride (T) as a second choice creatment for HP enadication in patients with EO or DU, whose initial meanment had failed

wbosc initial treatment had failed.

Patients and Methods: 119 patients with DU (mean age: 48±13.7 years, 64 men, 56 strokers) and 37 with ED (mean age: 47.8±13.2 years, 24 men, 12 smokers), who have failed to eradicate HP with double (ED - 22, DU = 58) or riple regimens (ED = 15, DU = 61), none of which contained M, were randomly assigned to receive B 600 mg bd + M 500 mg dd - T050 mg bd (Group Ia: 19 ED, Group Ib: 50 DU patients) or R 300 mg bid (Group Ia: 19 ED, Group Ib: 50 DU patients) or R 300 mg bid (Group Ia: 18 ED, Group Ib: 50 DU patients) for 14 dbys; Groups were comparable for see, age and smoking. Endoscopy was performed 4-6 weeks lafter treatment complesion. HP eradication was verified by histology, CLO-test and ¹⁰C-ursa breath test (JBT). urea breath test (UBT).

completion. He renization was verified by histology, CLO-test and "Gures breath test (UBT).

Stat: Hest, X2-set
Resultin: Endoscopy was performed in 27 ED and 80 DU patients.

6 ED and 30 DU patients performed only UBT. Endication raises are:

A) Intention to reat (n = 156): Group is: 68.4% (45.4—19.4)-Group Ilit
94.4% (82.7—100) [p = 0.06]. Group Ib: 79.7% (69.1—90.2)-Group IIIb:

70% (58.1—81.9) [p = 0.22]. Globally ED: 81.1% (67.3—94.3). DU 74.8% (66.9—82.7) [p = 0.41]. B) Per protocol analysis (n = 107): Group Ilit:

73.7 (99-88.4) [p = 0.14]. Globally ED: 83.4 (73.8—95.1). Group Iti:

73.7 (99-88.4) [p = 0.14]. Globally ED: 96.3 (88.7—100)-DU: 83.1 (74.9—91.4) [p = 0.08]. Age, sex, smoking and already longuistic taste) were frequent. 11 panents did not complete therapy (1 pseudomebranous colius-2 bismuth foxicity-3 illergy-2 oral candiditastic-2 nauses-1 diarrhea). 13 panents were lost in follow up.

Conclusions: R 300 mg bid and 0 20 mg bid are equally effective when used as amisceretory agents combined with B, M, T in ED and DU patients who had failled to endicate IR. Nevertheless there is a unend (p = 0.06) in intention to treat analysis in fixero of R, only for ED and not for

0.06) in intention to treat analysis in favor of R, only for ED and not for DU patients.

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14/57 LANSOPRAZOLE (LAN) VS RANITIDINE BISMUTH CITRATE (RBC) BASED SHORT-TERM TRIPLE THERAPIES FOR HELICOBACTER PYLORI (H. PYLORI) ERADICATION: A RANDOMISED STUDY WITH 6-MONTH FOLLOW-UP

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Objective: We have compared the emdication rates and the safety profiles of two short-term therapies containing LAN or RBC.

of two short-term therapies containing LAN or RBC. Methods: Eighty-five H. pylorir posture patients (CLO-test and histology) (mechan age 46, range 17-82) with peptic ulcer (n = 52) or non-ulcer dyspepsia (n = 33) were randomized to receive LAN 30 mg bid. Clarahtimopyin (CLI 300 mg bid and Amoxytetiin IAMO) 1 gr bid for one week (Group A. n = 43), or RBC 400 mg bid, CL 500 mg bid and AMP 1 gr bid for one week (Group B. n = 42). H. pylorir endication was assessed (by CLO-test and histology) at 4 weeks and 6 months post treatment, Clarithromycin sensitivity tests are carried out in the cultured pre-treatment (57/85, 67,1%) and post treatment (9/12, 75%) H. pylori

Results: The regimen failed to eradicate two (3.5%) H. pylori strains (one in each treatment arm), which exhibited primary CL resistance. Secondary CL resistance was recorded only in one out of the six (16.7%) treatment failures with the RBC based combination. Pattents in both groups were assessed at 1 and 6 months post treatment. The enadication rates according to intention-to-mest (ITT) and per protocol (PP) analyses are summarized in the following table:

Hp erad.	ITT (I mo)	PP (1 me)	ITT (6 ma)	PP (6 mo)
Group A	35/43 (81.4%)	35/39 (89.7%)	31/43 (72.)%)	11/35 (88.6%)
Group B	34/42 (81.0%)	34/40 (85.0%)	27/42 [64.3%]	27/35 (77 1%)

Side effects in both groups were mild and no patient discontinued treatment due to adverse events. There was no difference in H. pylori eradication rate between the two groups at 1 and 6 months post treatment.

Discussion: We conclude that short-term therapies based on LAN or RBC are equally effective to eradicate Helicobacter pylori.

7" United European Gastroenterology Week, November 1999, Rome, Italy, Gut 1999;45(Suppl V):A61

73.07 PCNA INDEX IN H. PYLORI POSITIVE GASTRITIS BEFORE AND AFTER ERADICATION OF H. PYLORI

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Background: PCNA is a suitable tool to study cell proliferation rate. H pylori (HP) infection has been suggested to increase gastric epithelial cell

Alms: To investigate PCNA expression by gastric epithelial cells in HP gastrins before and after HP eradication and to look for any correlation with gastritis parameters (Sydney classification).

Patients-Methods: We studied 30 dyspeptic patients (age: 27-81). Multiple antral and body biopsies were taken for CLO test, histopathology (H&E, Giernsa, Alcian blue) and immunohistochemistry (PCNA, clone PC10, mouse monoclonal, NOVOCASTRA), at presentation and 116 ± 9.5 days after the initial endoscopy; eradication therapy was given in HP (4) patients. PCNA was smalled in 3 zones: 1 = surface + upper 1/3 of the gastric pit (gp), 2 = rest 2/3 of gp, 3 = glands. Positive nuclei were counted by image analysis (software: image cools); results were expressed as number of positive nuclei per studied zone (PCNA index).

Results: 23/30 were HP (+); in 20/23, HP was oradicated. 7/30 HP (-) served as controls (age matched). PCNAindex in HP (+): antrum: 1 = 8.82 2.2 = $(5.35 \pm 3.6, 3 = 5.11 \pm 1.22 \text{ (ANOVA, p = 0.008), body: } 1 = 5.8 \pm 1.4, 2 = 10.15 \pm 2.54, 3 = 2.35 \pm 0.9 \text{ (ANOVA, p = 0.018), After radication: annum: } 1 = 9.8 \pm 2.35, 2 = 11.88 \pm 2.9, 3 = 1.35 \pm 0.8 \text{ (ANOVA, p = 0.0035), body: } 1 = 4.5 \pm 1.36, 2 = 6.33 \pm 1.92, 3 = 1.35$ \pm 0.56 (ANOVA, p = 0.034). In 7 HP (-) patients PCNA index was: in anoum: 1 = 2.57 \pm 1.67, 2 = 3.57 \pm 2.84. 3 = 0.57 \pm 0.57 (ANOVA, p = 0.520) and differed significantly per zone from HP(+) (Mann-Whitney, 1: = 0.041, 2: p = 0.038, 3: p = 0.053). No correlation was found between PCNA index and gastrius parameters.

Conclusions: Gastric epithelial cell proliferation rate is increased in

HP infection as compared with HP (-). This seems to decrease after erodication, though not significantly at least for the studied period.

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15/28 THE ROLE OF GASTRIC CYTOLOGY IN THE INVESTIGATION OF HELICOBACTER PYLORI

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forroduction: Helicobacter pylori has been implicated in the pathogenesis Introduction: Helicobacter pylori has been implicated in the pathogenesis, of chronic gastritis, gastritis and duodenal ulcer, and possibly gastric actrinoma. The organism may be detected by invasive and non-invasive methods with variable sensitivity. The aim of this prospective study was to evaluate the role of direct brush taken smears, imprints and liquid phase cytology in the investigation of HP.

Material and Methods: The study was carried out on cytology smears

taken during endoscopy from 108 patients with gastritis and gastric ulcer. Paired gastric biopsy and gastric brush specimens were collected. One biopsy was tested for urease using the CLO test, the other was processed to paraffin and consecutive sections were stained with haematoxylin and eosin, modified Giemsa. The brush and imprints specimens were stained with Papanicolaou and Giemsa stains. The brush was also immersed in CytoLyt (Cytyc) and two ThinPrep (Cytyc, Marlborough, MA) slides ere made. The ThinPrep smears stained using Papanicolaou and Giernsa

Results: In 92 out of the 108 cases a correlation between the histologic examination was found (6 • 0.71). In 45 out of 50 cases a correlation between the conventional cytologic examination (smears and imprints) and CLO was found ($\phi = 0.76$). In 94 out of 108 cases a correlation between the cytologic and histologic examination was found ($\phi = 0.84$). The application of the proportion test failed to reveal any statistically significant difference between the conventional cytologic examination and the liquid phase cytology (z = -0.350, p = 0.37). Conclusions: Cytology appears to be an accurate method for the identification of HP. Moreover, liquid phase cytology offers the opportunity

to preserve material for further investigations using molecular biology and analytical cytology techniques. However, in some cases low cellularity samples were obtained, due to the difficulty to extract the obtained mucus material from the brush

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B3.08 SPECIALISED INTESTINAL METAPLASIA AT THE DESCRIPTION OF A STRIC JUNCTION: PREVAILENCE AND CORRELATION WITH CLINICAL, ENDOSCOPIC AND HISTOLOGICAL FINDINGS

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Background: Specialised intestinal metaplasia (SIM) around the oesophaogastric junction (OGI) is considered to be premalignant.

Aims To examine prospectively the prevalence of SIM at the OGI and to

correlate its presence with clinical, endoscopic and histological findings

Methods: 101 patients (40 women, 61 men; mean age 55 yr, range 20-79 yr) with symptoms of the upper gastro-intestinal tract underwent endoscopy and note was made for endoscopic evidence of short segment Barren's oesophagus (SSBO). Biopsies were taken from gastric type mucosa just distal to the OGJ. They were stained with hematoxylin/cosin and alcian blue/periodic acid - Schiff for the detection of SIM and inflammation of the cardiac mucosa (carditis) and with Warthin-Starry for H. pylori presence.

Results: SIM around the OGJ was detected in 27 patients (26.7%). Multiple logistic regression analysis revealed that metaplaxia was associated significantly with age (odds ratio [OR], 2.8: 95% confidence interval [CI], 1.2-6.6), endoscopic suspicion of SSBO (OR, 3.6; 95% CI, 2.2-6.9). detection of H. pylori (OR, 2.8; 95% Ct, 1.1-7) and presence of carditis (OR, 6.4; 95% Ct, 2.8-16.8). Patients with SIM and endoscopic picture of SSBO were more likely to have symptoms of gastro-oesophageal reflux disease (p = 0.03) and endoscopic oesophagitis (p = 0.01)

Conclusions: This study confirms that the prevalence of SIM around the OGI in high in symptomatic patients. Age, endoscopic exidence of SSBO and installogical presence of H. pylon and cardins are independent risk factors associated with SIM.

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P0135 PREVALENCE OF HELICOBACTER PYLORI INFECTION AND ENDOSCOPIC FINDINGS IN PATIENTS WITH DIABETES MELITUS

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Background: A high prevalence of dyspeptic symptoms is described in diabetic patients. It has been suggested that Helicobacter pylori (Hp) infection may significantly contribute to gastric and duodenal disorders in such nations.

Aim: To evaluate the prevalence of Hp infection in a group of diabetic patients with dyspepsia vs a control group and to associate it with endoscopic findings.

Methods: 37 diabetic patients (M 23, F 14) and 53 non-diabetic patients (M 34, F 19) all with important dyspeptic symptoms were enrolled. Gender (M 62% vs 64%) and mean age (65.2 vs 62.6 years) did not differ significantly between the two groups of patients (diabetic vs non-diabetic). In all patients upper GI endoscopy was performed and endoscopic biopsies were examined by the prease rapid test.

Results: Hp infection was detected in 17 diabetic patients (45.9%) and 23 patients in the control group (43,3%), the prevalence in the two groups being not significant (0.8). GI endoscopy documented that the prevalence of gastrius was similar in both groups (65% vs 62.3% p.n.s.); peptic ulcer prevalence was 16.2% in diabetic patients and 17% in control group (p n.s.). When examining only the patients with Hp infection gastritis preva-lence did not differ significant between the two groups (53% in diabetic patients vs 61% in control; p.n.s.). Peptic ulter prevalence was higher in the control group (34.8%) than in diabetics (23.5%) with Hp infection, but the difference was not significant (\times 2.0.6 p.0.4) statistically.

Conclusions: Our preliminary data, that showed no difference in the prevalence of hip infection between diabetics and control group, do not support an association between H. pylori infection and disheres melitus. The endoscopic findings in patients with Hp infection did not differ between diabetis and control group,

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P0532 IS H. PYLORI PRESENT IN DENTAL PLAQUE OF CHILDREN AND THEIR FAMILIES?

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Background: H. pylori infection and intrafamilial spread is common among Greek pediatric population.

Aim: To investigate the presence of H. pylori in dental plaque of children with upper GI symptoms who underwent endoscopy and their family

Methods: The study sample consisted of 35 children aged 4 to 14 years old and 49 family members (mother and/or father). Gastric biopsies, gastric juice and serum were collected from all children. Dental sampling was done in parents and in children before endoscopy. Each subgringival plaque sample was collected with sterile paper pointers from 4 healthy and 4 diseased gingival crevices and a PCR method was used for the detection of

Results: 15 out of 35 (43%) children were considered H, pylori infected by at least one method (CLO, histology, culture). Specifically, H. pylori was detected in annal biopsies of 100%, 93%, 77% of H. pylori positive children by CLO, histology and culture, respectively. Oastric juice was positive for H. pylori in 66% and 57% of patients by PCR and culture. Serum IgG antibodies were found in 12/15 (80%) of H. pylori biopsy positive children. In 11/15 families of H, pylori positive children, at least one member was found to be H. pylori infected by serum antibodies and/or by urea breath test and/or endoscopy. H. pylori was detected in dental plaques of 6/15 biopsy positive children. It was also detected in one biopsy negative child. H. pylori was detected -at least in one member-in dental plaques of 7/15 families of H. pylori positive children, Children who had H. pylori identified in their dental plaque belonged to families that also had H. pytori in dental plaque Conclusions: H. pylori is detected in dental plaque of children and their

families and that may play an important role -acting as a "reservoir" -for the intrafamilial spread and transmission.

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P0531 DIABETES MELLITUS AND ERADICATION OF H. PYLORI

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Introduction: Diabetes Mellitus may increase general susceptibility to acute and chronic infections which is likely to be multifactorial. The general effects of hyperglycoemia are probably emportant, and there may be additional immune disturbances especially in IDDM, H. Pylov (R.P). the main aethologic factor for gastrin's and peptic piter, is the most common gastric infection worldwide.

Aim: The aim of this study was in compare the effectiveness of a combination therapy containing Lasoprazole, Amoxicillin and Clarithromycin for one week in the eradication of H.P. in pis with IDDM and in dyspeptic

Material-Methods: A group of 20 pis with IDDM, (12 M, 8 F) aged 28-45 yrs, affected by H.P. infection and a group of 20 dyspeptic pts (10 M. 10 Ft, aged 30-50 yrs, were inluded in our study. Documentation of H.P. infection in studied pts was made by rapid arease test and histology. All the pts of two groups were treated with Lansoprazole 30 mgr bid. Amoxicillin 1 gr bid and Clarithomycin 500 mgr bid for one week. Patients were assessed for eradication, defined as absence of bacteria to rapid urease rest and histology, at least 4 weeks after completion of treatment.

Results: Eradication rate in pts eith IDDM compared to dyspeptic pts was significantly lower (1920 pts, 95% in dyspeptic pts group vs 1470 pts, 70% in IDDM pts group, p < 0.002). Significant clinical improvement of symptoms was observed in those pts of both groups where eradication therapy was successful. Two patients of each group (10%) expierenced side-effects. All adverse events were mild and no parient discontinued treatment.

Conclusion: Eradication rate of H. Pylori seems to be significantly lower in IDDM patients in comparison to that observed in dyspeptic patients.

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P0544 PEPTIC ULCER DISEASE IN CIRRHOSIS. THE ROLE OF HELICOBACTER PYLORI

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Background: Although Helicobacter pylori (Hp) is the major pathogenetic factor for peptic ulcer disease (PUD) in the general population and its successful eradication significantly eliminates the risk of ulcer recurrence the role of Hp for PUD in cirrhodic patients (CP) remains controversial.

Aims: To evaluate the prevalence, of Ho infection in PUD and the effect of Hp eradication in ulcer recurrence in CP.

Methods: Fourteen patients [12 M, 2 F, mean age 61.6 y (range 48-71)] with cirrhosis (9 alcoholic, 2 HBV, 2 HCV, 1 cryptogenic — Child Pough A; 7, B; 5, C; 2) and peptic ulcer (5G, 9D) diagnosed at endoscopy for investigation of varices (6 p) epigastric pain (4 p) or bleeding (4 p) and fourteen non CP with PUD matched in sex, age and ulcer characteristics with the CP were included in the study. All patients were not using NSAIDs/aspirin and had never previously received Hp eradication treatment. Patients underwent endoscopy at entry, four weeks after eradication therapy and in case of clinical relapse. Hp infection was diagnosed by CLO test and histology. All patients were followed for 12 months with start point of the follow-up period 2 months after the inclusion endoscopy. Ho (+) patients received Hp eradication therapy for one or two weeks followed by two to three week omeprazole administration, Hp (-) received a four week omeprazole regimen. X2 (Yate's correlation) was used for statistical analysis.

Results: Nine CP were infected with Hp (64.3%) in comparison to all fourteen non-CP who were Hp (+) (p < 0.001). Successful eradication was achieved in seven CP (77.7%) and in eleven controls (78.5%). Two CP and two out of three controls who remained Hp (+) after eradication therapy relapsed in the follow-up period (NS). Six out of eleven Hp (--) CP (50%) relapsed two of them rebled and one died. In contrast, only one Hp (--)

control (9%) relapsed in the follow-up period (p < 0.05). Conclusions: 1. Hp prevalence in PUD is significantly lower in CP than in controls, 2. Hp eradication does not abolish the risk of utcer recurrence in the CP as it does in the controls, 3. This may implicate the need for maintenance antisecretory treatment in all CP with PUD especially in high risk subgroups.

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P0578 A PROSPECTIVE STUDY COMPARING VARIOUS ANTI-H.
PYLORI TREATMENT REGIMENS FOR PATIENTS WITH
PETTIC ULCER DISEASE (PUD)

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Objectives: Prospective, randomized, single center study to compare various anti-Hp regimens.

Methods: Consecutive patients with $H\rho$ related peptic ulere disease are randomized to one of the following anti- $H\rho$ regimen. Patients are re-endoscoped 8 weeks after completion of therapy. The diagnosis and successful eradication of $H\rho$ were assessed by CLO-test, histology (mod. Giernsa, $H\delta E_0$) and immunohistochemistry (rabbit anti- $H\rho$ monoclonal antibody, DAKO) in biopsy specimens taken from the gastric antimum and body/fundus. Treatment related side effects and compliance with treatment were recorded.

Results are given in the table:

Театтем		Age (yr)	Treatment-related		Eradication rate	
Regimen		(range)	side effects	compliance	FTT n (%)	PP n (%)
OCM ₂	43	46 16-731	7 (22%)	41 (95%)	2] (49)	21/29 (72)
OAC	86	42 (15-78)	8 (10%)	86 (100%)	64 (74)	64/77 (83)
OACo	78	40 (16-69)	7 (10%)	77 (99%)	61 (78)	61/69 (BB)
OACH	55	41 (17-68)	6 (11%)	54 (93%)	45 (82)	45/49 (92)
DAM	70	44 (20-76)	8 (15%)	68 (97%)	45 (64)	45/50 (90)
OBMTN	71	40 (17-70)	9 (13%)	64 (90%)	50 (78)	50/61 (82)

O, omeprazele, C, claribromycin, A. amoxycillin, M. metwristazole; S, bismuth, T, texascyclin, OAM, C, 30 mg de CA, 1 g de M, D, 3 g ad. COEM, O, 20 mg de C, U.3 g de! M, 0.5 g dd GBMT: Omeprazole (20 mg de)-classical onjet therapy. P? analysis: OAC₁₄ vs OCMs, p. = 0.03; OAM₁₄ vs OCMs, p. = 0.00; OAM₁₆ vs OCMs, p. = 0.00; OAM₁₆

All other comparisons were not significant although a type III error cannot be excluded. C. difficile colitis develop in a patient receiving OAC₁₀ no other serious side-effects of treatment were seen. OBMT was the less well tolerand regimen and did not meet our expectations for the highest eradication rate. The prevalence of M- and C-resistant strains in our country is reported S6% and 5% respectively.

Conclusions: In communities with a high prevalence of M-resistant strains OCM₂ should probably not be given. The cost effectiveness of OAC₂, ₁₀₀ or ₁₄₈ should be assessed in a large-scale study. Differences in ITT and PP reflect the 'read-life' of a single center.

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P1026 RANDOMISED STUDY OF TWO SECOND-LINE QUADRUPLE THERAPIES AFTER FAILED 10-DAYS H. PYLOR/TREATMENT WITH OMERIAZOLE, CLARITHROMYCIN AND AMOLYCEL USE (OCEA-10)

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Ains: There is no defined second-line treatment after failure to cure H. pylori by OCA-10 regimen. The aim of this study was to evaluate the efficacy of two quadruple regimens as salvage therapy of H. pylori and to assess the impact of microbial resistance on the efficacy of the second line treatment.

Patients-Methods: Fifty consecutive patients (aged 18–79 years, mean 46.5, 29 men, 23 smokers) with duodenal ulcar (n = 19) or non-ulcar dyspensia (n = 31) and persistent H. pylori infection (confirmed by histology and culture) were randomly assigned to one of the two quadrupts schemes for 7 days: Omeprazole (O) 20 mg bid + Bismuth subcitrate (B) 125 mg qid + Metronidazole (M) 500 mg bid + Tetracyclin (T) 500 mg qid (group OBMT, n = 23) or Clarithromycin (C) 500 mg bid (group OBMT, a - 23) or Clarithromycin (C) 500 mg bid (group OBMT, a - 23) creative to the second-line treatment. Antibiotic safety of the confirmed property of the second-line treatment using the agar distution method.

Results: 47 patients completed the project. The H. pylori cure rates (overall and according to pre-treatment microbial resistance) were:

Resistance pattern (ITT)	H. pylo.	ri cure
	OBMT	OBMC
METs CLAs 29/50 (58%)	15/15	11/13
MET; CLA, 4/50 (8%)	2/2	1/2
MET _R CLA ₅ 11/50 (22%)	3/4	3/5
MET _R CLA _R 6/50 (12%)	2/2	1/4
Overall Per Protocol (PP)	22/23 (95.6%)*	16/24 (66.7%)*
Overall Intention To Treat (TTT)	22/24 (91,7%)*	16/26 (61.5%)*

*: p < 0.05, b: p < 0.05

No patient discontinued treatment due to usually mild side effects.

Conclusions: Quadruple therapy with O + B + M + T is more effective than O + B + M + C as a second line H, pylori treatment after enablication failure with OCA-10. Excluding previously failed antibiotics from the quadruple scheme may be necessary independently of H, pylori resistance nattern.