ΞΕΝΟΓΛΩΣΣΕΣ ΑΝΑΚΟΙΝΩΣΕΙΣ (ABSTRACTS) ΕΛΛΗΝΩΝ ΕΡΕΥΝΗΤΩΝ

XVIIIth International Workshop Gastrointestinal Pathology & Helicobacter, 12-14 October 2005, Copenhagen, Denmark Helicobacter 2005;10:473

Abstract no.: 03.11 Differences in the Prevalence of EPIYA Tyrosine Phosphorylation Motifs in CagA Protein of Helicobecter pylori Clinical Isolates from Children and Adults

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XVIIIth International Workshop Gastrointestinal Pathology & Helicobacter, 12-14 October 2005, Copenhagen, Denmark Helicobacter 2005;10:486

Abstract no.: 04.17 Helicobacter pylori-Negative Gastric Ulcers

N. Rossolimos,* M. Theofilopoulou,* S. Balas,* P. Aggeli, * C. Vassiliou, * V. Xiromeritou, * G. Karatzikos, * G. Kafirit and K. Papadimitriout

*Departments of Gastroenterology and fiftistopathology, (ppokration General Hospital, Athens, Greece

Objective. The prevalence of Helicobacter pylori-negative ulcers is highly variable geographically. In pooled series from the United States, 26% of 315 patients with uncomplicated gastric ulcers (GUs) were H. pylori-negative. In contrast, the reported prevalence of H. pylori-negative ulcers from Europe is much lower.

The aim of this study is the determination of the prevalence of H. pylori-negative GU among the southern Greek population. Methods. One hundred ten patients of a median age of 51 years (21-88) who were not taking NSAIDs and underwent upper GI tract endoscopy because of epigastric discomfort were diagnosed with GUs. The methods of diagnosis used for *H. pylori* infection were firstly by histologic examination and secondly by rapid urease test. Instity of instrologic examination and secondary by rapid urease test. Results. Secretic two patients (65.5%) were H. pylori-positive and 38 (34.5%) H. pylori-negative. The percentage of H. pylori-negative CU is higher than that reported international The majority of these ulcers (after histologic examination) were diagnosed as "idiopathic" except for a small number, that were

related to lymphoma, carcinoma, Crohn's disease, or other uncommon causes of GU.

XVIIIth International Workshop Gastrointestinal Pathology & Helicobacter, 12-14 October 2005, Copenhagen, Denmark Helicobacter 2005; 10:474

Abstract no. 19313
Positive Association Between the Presence of CagA Protein EPIYA Motifs in Helicobacter pylori Clinical Strains and the Severity of

E. Panayotopoulou,* K. Petraki,* A. Kalliaropoulos,* B. Martinez-Gonzalez,* K. Papadakos,* S. Karagiannis,† F. Dimopoulos,† S. Michopoulos,† A. Archimandritis,‡

** A Mentist* and D. N. Sgouras*

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**Athens, Greece, Gastroenterology Clinic, Alexandrus General
Hospital, Athens, Greece, Siscond Department of Internal Medicine,
**Athens University School of Medicine, Athens, Greece

ed to study the potential ass

We simed to study the potential association between the presence of EPIYA tyrosine phospharylation motifs (TPMs) in CagA protein of Helicobatter pylint (distinct incluses with the distinct maniferation of the distinct pylint (distinct incluses with the distinct maniferation of the distinct and the observed histographologic limitent.

We analyzed 36 cagA-positive H. pylori clinical incluses taken from patients with gustradocalent ulare (in ~ 93) and nonalizer taken from patients with gustradocalent ulare (in ~ 93) and nonalizer dysepsia (n = 19), EPIYA motifs were determined by polymerase chain reaction (PCX) simplification and sequencing of the resulting products, cagA status was determined by PCA cagA simplification and serum CagA ELISA. H. pylori colonization on the associated gustrain was evaluated by the modified Sydney system and sustaintial analysis performed by Fischer's deast rost. EPIYA-positive H. pylori clinical isolates in the assress were correlated significantly with the presence of gustreducledual ulare (p = 302). The association was strong with the presence of disodensal (p = 0.07) and the scrivity of chronic gustrain (p = 2.03), but not with higher levels of H. pylori-tolonization (p = 1.05). No readstical significance was observed in the fundus.

In conclusion, the servirity of chronic inflamatory infiltration and the activity of chronic gustration developed in the astrum of H. pylori-positive pasients seems to be associated with the presence of EPIYA TPMs in CagA protein, irrespective of the levels of H. pylori colonization in the gustric mucous. This association is significant to patients with duodental but not gustric ulcer.

XVIIIth International Workshop Gastrointestinal Pathology & Helicobacter, 12-14 October 2005, Copenhagen, Denmark Helicobacter 2005; 10:491

Abstract no.: 05.07 Lactobacillus johnsonii Lai Attenuates Helicobacter pylori-Associated Gastritis and Reduces the Levels of Proinflammatory Cytokines in the Gastric Epithelium of C57BL/6

D. N. Sgouras,* E. Panayotopoulou,* B. Martinez-Gonzalez,* K. Petraki,* S. Michopoulos† and A. Mentis* "Laboratory of Medical Microbiology, Institut Pasteur Helleniqu Adhens, Greece, 1Gastroenterology Clinic, Alexandras General Hossikal, Adhens, Greece

Hoopfol, Advens, Greece

The effect of Lastobacillus johnsonii Lai administration to experimental Helicobacter pylori infection was studied. We administrated continuously over a period of 3 mooths, through the water supply, live Lai to H. pylori-infection CS/EL/s mice and followed colonization, and development of M. pylori-insociated gastricis in the lasmins propris. We also determined the levels of pro-inflammatory chemokines macrophage inflammatory protein-2 (MIP-2) and kertainocyte-derived cytokine (KC) in the serum and gastric tissue. We documented a significant asternation both in levenshoovine for m. 3331 and neutropolilic inflammatory inflammatory protein-2 (MIP-2) and kertainocyte-derived cytokine (KC) in the serum and levenshoovine for m. 3331 and neutropolilic inflammatory inflammatory inflammatory levels of sani-H. pylori-slooding as well as in the circulating levels of sani-H. pylori-slooding gastric tissue. H. pylori-slooding gastric in the sane custom. MIP-2 serum levels were distinctly reduced during the early stages of H. pylori-induced LL-8 servicino by human adenocacientomes AGS cells in vitro was also significantly reduced (p = .066) in the presence of L11 spent culture repersazione, when neutralized to pH-S without conceniisms has of H. pylori-viability. These observations point out that during the early infection stages, administration of L11 can ansessate H. pylori-viabulty gastrin in vivro openible, by reducing proinflammatory chemotaccic signals responsible for the recruitment of lymphocytes and neutrophils in the lamina propris.

XVIIIth International Workshop Gastrointestinal Pathology & Helicobacter, 12-14 October 2005, Copenhagen, Denmark Helicobacter 2005;10:503

Abstract no.: 06,15

valence and Age-Related Distribution of estinal Metaplasia of the Gastric Mucosa

N. Rossolimos," C. Vassiliou," P. Aggeli, S. Balas," M. Theofilopoulou," V. Xiromeritou," G. Karatzikos," A. Bousiotou,! G. Kafiri! and K. Papadimitriou!

okration General Hospital, Department of Gastroenterolog ens, Greece, flopokration General Hospital, Department of topathology, Athens, Greece

Platropathelogy, Arbans, Greace
Objective. The exoensive consumption of antibiotics and antiscerctory drugs during recent years principally by older ages and the systematic eradication of Melkosbaster pyloric worldwide (according to the criteria of Manuscrich) may have exused remarkable changes in the H. pylori population, which is implicated in the provocation of gustric insertain insexplain (10-10). The aim of this distribution, of gustric IM as it has developed recently Methods. A total of 251 patients of a median age of 54 years (22–50) who underwent gustroscopy were included in the study. Nonicondomical control of the study of th

	[20,29]	[70,39]	[40,49]	[50,59]	[60,69]	[70,79]	[80,89]
n = 751	23	58	74	125	180	222	69
n = 238	3	15	20	32	64	80	24
Percentage (%)	13.0	25.9	27.0	25.6	35.6	36.0	34.8

 $\chi^2 = 10.97, p < .10, Pr = 0.0892$

nclusions. Instead of wide eradioation of H, pylori in the teral population, gastric DM is prevalent in a high percentage of

XVIIIth International Workshop Gastrointestinal Pathology & Helicobacter, 12-14 October 2005, Copenhagen, Denmark Helicobacter 2005;10:530

bstract no.: I1.09
igher Reinfection Rate in Celiac Disease
atients After Successful Helicobocter
radication for Peptic Ulcer Disease
D. Paraskeva* N. Mathou* N. Giannakou,†
Piichalopoulou,† I. Ghiconti,† C. Spilladit and

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radication regimes for Helicobacter pylori infection have en proven particularly effective and with low reinfection (or trudescence) rate that is estimated -1-2% annually.

Aim of the study was to assess maintenance of the eradication in nients with celluc disease. In 29 patients (16 male, 13 female, age nge 19-67 years) with celluc disease, all in clinical and histologic

means with cease cheese. In 39 passesses (we may be seen as present to the major of the property of the proper ur Hp- and five Hp+, were re-endoscoped because of dys mptoms and in three of nine, all Hp+, recurrence of du-cer was diagnosed.

been side anamber of patients studied is small, it seems that so ients with cellac disease have higher than espected reinfection size. To Centeit factors influencing susceptibility to H. Pajlori section by modulating the host immune response might be supplicated to explain this observation.

XVIIIth International Workshop Gastrointestinal Pathology & Helicobacter, 12-14 October 2005, Copenhagen, Denmark Helicobacter 2005;10:508

Abstract no.: 07.09

INOS Expression in Gastric Carcinogenes A Holecular and Immunohistochemical S in Tissue Microarrays (TMAs) – Correlatio with Helicobacter pylori infection

A. Karameris,* E. Tsiambas,† S. Gazi,‡ K. Gerontopoulos,† G. Vilaras,† D. Stefanou and T. Roidas††

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Aim. To examine the role of iNOS and Helicobacter pylori

Alan. To examine the role of INOS and Helicobacter pylori infection in gastric carcinogenesis.

Material and Methods. Ferty-five (25 H. pylori-positive (Hy-) and 20 H. pylori-regative (Hy--) gastric carcinoma cases were studied. Twelve Hy- and 10 Hy-- gastric carcinoma cases were studied. Twelve Hy- and 10 Hy-- as intertinal type. Incontinul metaphasis (M) type I wave observed it is Pylor- cases, IM is it is, and IM III is 12 cases. Control included 5 Hy-- IM I, a IM II, and 10 IM III cases. The TMArrayer appearant (Chemison, NSA) was used for the construction of TMAn. ENOS expension was determined by interactional type in the construction of TMAn. ENOS expension was determined by interactional content of the construction of TMAn SNOS expension was determined by interactional property analysed with an Image Analysis System (DIS-20). Digital Image Systems, Helian.

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and this may be a strong evidence for long-term follow-up.

13th United European Gastroenterology Week (UEGW) 15-19 October 2005, Copenhagen, Denmark Endoscopy 2005;37(Suppl I):A268

EFFECTIVENESS OF ENDOSCOPIC BALLOON DILATATION AS FIRST LINE

EFFECTIVENESS OF ENDOSCOPIC BALLOON DILATATION AS FIRST LINE TREATMENT IN PATIENTS WITH A BULB STENOSIS DUE TO DUODENAL ULCER P_Tsibouris', G. Tsianos', A. Vassilopoulos', A. Babanis', T. Galeas', C. Lappas' ("Gastroenterology, "Surgery, "Medicine, Trikala General Hospital, Trikala, Greece INTRODUCTION: Surgical treatment is the gold standard for pyloric stenosis. Endoscopic balloon dilatation for. Surgical treatment is the gold standard for pyloric stenosis. Endoscopic balloon dilatation to treat stenosis of troat stenosis of duoden alb bulb. AllmS & METHODS: Aim of the study; To evaluate mid term effectiveness of endoscopic balloon dilatation to treat stenosis of duodenal bulb. Patients and methods: Between 1/1/2002 and 31/1/2/2004, 40 consecutive patients (Group-I, mean age 72½-11, 25 male, 10 smokers - 31½-47 pack-years, 14 in excess alcohol consumers, 20 NSAIDs consumers) with duodenal bulb stenosis due to a duodenal ulcer (mean diameter of bulb lumen 3 mm) offered and underwent an endoscopic balloon dilatation (by Flex-EZ Balloon Dilator Hobbs Medical Inc, Transtein, Germany) of the stenosis 48 hours after admission (pantoprazole 8 mg/h) was started on admission). After discharge pantoprazole 40 mg daily was prescribed for 2 months. Endoscopy was repeated after 3 months, when 14 ypion status was checked

Medical Inc, Translein, Germany) of the stenosis 48 hours after admission (pantoprazole 8 mg/h iv was started on admission). After discharge pantoprazole 40 mg dally was prescribed for 2 months. Endoscopy was repeated after 3 months, when H. pylori status was checked and eradication treatment was prescribed in H. pylori postitive patients. Endoscopy was repeated every 6 months for the first year and yearly thereafter. Results were compared with 40 consecutive patients (Group-II, mean age 65-£12 years, 26 me. nt 13 monkers - 33-33 pack-years, 13 in excess alcohol consumers, 19 NSAIDs users) offered surgery as first line treatment between 11/1999 and 311/22001 and had the same follow-up for the same period as endoscopically treated patients (Mean follow-up: Group-I: 22±14 months, Group-II: 321-33 months). Statistics: 1-test, X2. RESUITS: Intention to treat: Group-I: 394 (98%) patients, Group-II: 30/303 (100%), patients for element of the same pollow-up for the same follow-up for the same pollow-up for the same pollow-up for the same follow-up for follow-up for follow-up follow

endoscopic treatment failures and multiple relapsers.

13th United European Gastroenterology Week (UEGW) 15-19 October 2005, Copenhagen, Denmark Gut 2005;54(Suppl VII):A116

SOLUBLE TRIGGERING RECEPTOR EXPRESSED ON MYELOID CELLS (STREM-1): A NEW MEDIATOR INVOLVED

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Gastroenterology, Sismanoglion General Hospital, 24th Dept. of Internal Medicine, Athens Medical School, 3 Pathology, Sismanoglion General Hospital, Athens, Greece

INTRODUCTION: Triggering receptor expressed on myeloid cells (TREM-1) is a promoter of cytokine production triggered by microbial components. To investigate the significance of sTREM-1 for the pathogenesis of peptic ulcer, sTREM-1 was associated with parameters of gastritis and lipid peroxidation. AIMS & METHODS: Forty patients with dyspepsia were enrolled; twenty with peptic ulcer and 20 controls without any macroscopic abnormalities. All patients were endoscoped; gastric juice was aspirated and biopsy specimens were collected from antrum and body. sTREM-1 was estimated by a hand-made enzymeimmunoassay. Lipid peroxidation, indexed by malondialdehyde (MDA), was estimated by the thiobarbitouric assay, after passage through an HPLC

RESULTS: Mean (±SE) of sTREM-1 of controls and patients with ulcer was 5.53 ± 0.78 pg/ml and 174.02 ± 98.28 pg/ml respectively (P = 0.006). Mean (±SE) of sTREM-1 concentrations in subjects without evidence of gastritis. H. pylori positive gastritis and H. pylori negative gastritis were 47.31±16.67 pg/ ml, 77.36±43.38 pg/ml and 125.95±103.35 pg/ml, respectively (PNS between patients). sTREM-1 was positively correlated with the degree of mucosal atrophy (P = 0.009) but it was not correlated either with the activity of gastritis or the degree of intestinal metaplasia or MDA levels or with the density of Helicobacter pylori.

CONCLUSION: Results revealed that sTREM-1 might be an independent factor leading to the ulcerative inflammatory process

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EPITHELIAL CELL TURNOVER IN NON-DYSPLASTIC GASTRIC MU-COSA ADJACENT TO EARLY AND ADVANCED GASTRIC CANCER K. Triantafyllou¹, P. Kitsanta², D.G. Karamanolis³, C. Kittas⁴, S.D. Ladas¹ ¹HepatogástroenterologyUnit,AttikonUniversityGeneralHospital,Athens, Greece, ²Histopathology Department, Sheffield Teaching Hospitals, Sheffield, United Kingdom, ³Gastroenterology Department, Tzaneion Hospitalof Piraeus, ⁴Laboratory of Histology-Embryology, Medical School, Athens University, Athens, Greece

INTRODUCTION: Epithelial cell turnover alterations, as well as, p53 and Bcl-2 protein expression play important role during gastric oncogenesis

AIMS & METHODS: The aim of the study was to investigate cell apoptosis and proliferation rates, p53 and Bcl-2 protein expression in non-dysplastic tissue (NDT) adjacent to early (EGC) and advanced gastric carcinomas (AGC)

We examined 17 EGC and 15 AGC, and NDT specimens five cm from the margin of each tumor. Cell proliferation, p53 and Bcl-2 expression were detected immunohistochemically using MIB-1, anti-p53 and anti-Bcl-2 monoclonal antibodies. Apoptosis was measured by TUNEL method. The rate of the positive stained cells was count using image analysis technique (SABA).

RESULTS: No differences were observed of either median apoptotic (2 vs NESOLITS: No dimerarioss were observed or enter mentain appopublic (2 vs. 2) or mediain proliferation (8 vs. 12) index between NDT adjacent to early and advanced tumors. While both indices were significantly higher in tumors than in the NDT, no difference was observed of either apoptotic (10 vs. 10) or proliferation (35 vs. 25) index between EGC and AGC, as well. However, both p53 (4 vs 2, p = 0.004) and Bcl-2 (15 vs 5, p = 0.05) protein expression was higher in the NDT adjacent to advanced tumors. H. pylori positive as

compared to H. pylori negative gastric mucosa showed higher both p53 (3 vs 1, p = 0.01) and Bcl-2 (15 vs 10, p = 0.05) immunoreactivity.

CONCLUSION: 1. Cell turnover is not different between NDT adjacent to EGC and AGC. 2. Both p53 and Bcl-2 protein accumulation is more intense in NDT adjacent to AGC and 3. p53 and Bcl-2 immunoreactivity is related to H. pylori infection.

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PREVALENCE OF HELICORACTER PYLORI INFECTION IN PATIENTS WITH CORONARY HEART DISEASE, CORRELATION WITH RISK FACTORS

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INTRODUCTION: Helicobacter pylori (H. pylori) infection has been implicated in the pathogenesis of many extra-gastric conditions including coronary heart disease (CHD). However the role of H. pylori in the pathogenesis of CHD is still controversial

AIMS & METHODS: To evaluate the prevalence of H. pylori infection among patients with acute myocardial infraction (AMI) as compared with a control group of blood donors. We also tried to investigate any possible correlation of classic risk factors for AMI with H. pylori infection in those patients who were H. pylori positive and compared these findings to those in the patients without the infection. 212 males (mean age 59.3, range 44-68) with AMI were included in our study, 310 male blood donors matched to rage were used as a control group. Diagnosis of AMI was based on the established WHO criteria (symptoms, ECG changes, elevated enzymes). The presence of H. pylori was assessed by serology (ELISA). All patients completed a questionnaire which included demographic data and known risk factors for coronary heart disease

RESULTS: In patients with AMI H. pylori was present in 187/212 (88.2%) as compared with 189/310 (59.0%) in the control group (P < 0.00001). The calculated odds ratio (OR) for AMI in patients with H. pylori was 5.19 (95%C): 3.15-8.59), after correction by Mantel-Haenszel. This significant difference was noted in all age groups.

There were no significant differences between the two groups (AMI patients with or without H. pylori) regarding the prevalence of known risk factors for AMI (cholesterol, hypertension, smoking, fibrinogen, diabetes).

CONCLUSION: In the present study we observed a significant correlation between the prevalence of H. pylori infection and coronary heart disease. H. pylori may play a role in the pathogenesis of AMI which does not seem to be mediated by the classic risk factors.

Digestive Disease Week & 10th Annual Meeting of the AGA 14-19 May 2005, Chicago, IL Gastroenterology 2005;128(Suppl 2):A-349

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Bigh Desection Bate of the Cytomegalovirus (cmv) Genome in Gastric Adenocarcinoma Tissus Samples. a Possible Role in the Pathogenesis of the Diseas and the Relationship With Helicobacter Pylert (187) Dimatrics Demirouslopesis, Mana Christodoulou, Dimitris Xinopoulos, Klishenis Tsamakidis, Alkaterini Foopoulou, Alexandra Papadokontopoulou, George Genatrisdis, Nikolaos Apostolikas, Evi Panotopoulou, Binnanouil Paniskevas

Aim: Estimation of possible role of CMV, alone or correlated with HP, in the pathogenesis of gastric adenocarcinoma.

Ami: Estimation of possible foot of CMV, alone or correlated with HF in the pathogenesis of pastic advocarcinoma.

80 noriminaturocompromised patients (gastric cancer: 40 - premaligrant lesione: 40) and 80 individuals with noemdoscopic evident gastric disease (control group), were enrolled in the study. Bioptic specimens were obtained from the malignant and the premalignant lesiones. 3 cm away from the lesions and from endoscopically healthy mutoos from the patients and the control group. Polymenate chain reaction (PCR) was used to identify the CMV gratome. The presence of HF was investigated with CLO-test and histological examination of mutoosal gastric samples from the summan shallor the cropus of the stomach. Multivariate statistical analysis correlated the results with epidemiological parameters which may be involved in the disease's pathogenesis.

The viral gratome was detected in 11/40 (27.5%) tissue samples from malignant lesions, 15/40 (37.5%) samples from premalignant lesions, but in none of the bioptic speciments from endoscopically healthy mutoosa either from patients or correct group. HF was detected in 15/40 (37.5%), 34/40 (60%), 37/80 (46.2%) of each group respectively. Xf-statistical analysis revealed significant effectivence in the detection rate between the control propolation and the two patients' groups (p=0.00, p=0.31) respectively) and between the detection was observed between the detection was observed between the detection rate of CMV and the epidemiological parameters involved in gastric carrinogenesis. No-significant statistical correlation was observed between the detection rate of CMV and the epidemiological parameters involved in gastric carrinogenesis. No-significant statistical correlation was observed between the detection rate of HF in the two examined detection as a control of the contr groups (p = 0.074).

sits tradicate a possible role of CMV in gastric adenocarcinoma pathogenesis as Independent factor in a patients'subgroup.

Digestive Disease Week & 10th Annual Meeting of the AGA 14-19 May 2005, Chicago, IL Gastroenterology 2005;128(Suppl 2):A-428

Rabeprazole 7-Days Vs. Rabeprazole 10-Days Vs. Rabeprazole 14 Days Triple Therapy in the Eradication of H.gylori Infection-A Randomized Study. Sylamos Kantapanis, Sosinis Geograpoulos, Lambriat Skorda, Nikusa Papantoniou, Konstantinos Kommanides, Philip Lingos, Chysosomoss Pellas, Andreas Mentis, Markdimor Tsibidakis, Hars Kouvidou, Konstanzinos Lois, Diminrios Kipmios, Vasilios

Objective: To evaluate the efficacy and safety of three triple therapies based on rabepra-

whethods: 142 H.gyfori positive patients (CLO-test, histology) (median age 48, range 18-79) with peptic tikers (m=79) or non-olicer dyspepsia (n=63) were randomized to receive RAS 20mg bid. Clarchsemycia (CL) 500mg bid, and Amosycillin (AMO) 1gr bid for 1 week (Group B, n=47), or RAB 20mg bid, CL 500mg bid and AMO 1gr bid for 10 days (Group B, n=48) or RAS 20mg bid, CL 500mg bid and AMO 1gr bid for 14 days. H. gyfori eradication was assessed 4 weeks after completion of treatment (by CLO-ost and histology). Clarithnomycin sensitivity tests were carried out in the cultured pre-treatment (96/142,

Clarificonycin sensitivity tests were carried out in the cultured pre-treatment (No.144, 17.5%) Hypfari strains.

Results: The eradication rates according to intention to treat analysis (ITT) were 3547 (14.4%) in Group A, 3648 (79.1%) in Group B and 4347 (91.5%) in Group C (07<0.05) between Group A and CI, and according to per-protected analysis (IPT) 3747 (18.7%) in Group A, 4648 (83.3%) in Geoup B and 4447 (93.6%) in Geoup C (07<0.05) between group A and CI. Primary CI. resistance was 9696 (9.4%). The endication rate in the CI. existant Hypfari strains was 3969 (93.3%), whereas in the CI. sentitive strains (81.7%) (93.3%). P<0.0005, Side effects in all groups were generally mild and only two patients discontinued treatment due to adverse effects (1 in Group B and 1 in Group C).

Conclusion: We conclude that 1.4-days triple therapy based on rabeprazole proved more effective than the 7-days regimen in the endication of Helicobactor pylori infection.

11th Conference of the European Society of General Practice/Family Medicine 3-7 September 2005, Kos Island, Greece Book of Abstracts: p. 187

553 (OP)

GENETIC ANALYSIS OF CAGA AND VACA GENES OF H. PYLORI STRAINS IN CRETE

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BACKGROUND(AIM: Helicobacter pylori (H. pylori) causes different gastroduodenal pathologic conditions. Certain genotypes have been suggested to be associated with the viru-lence of this pathogen. The aim of this study was to invest-gate the frequency of H. pylori vacA and cagA genotypes and their association with gastroducdenal disease in Crete. METHODS: Polymerase chain reaction (PCR), Clotest and histology examination was performed in fifty gastric biopsies taken by dyspeptic patients who were undergone routine

RESULTS: H. pytori was found in 24/50 patients in whom in-fection was detected by PCR. Of the 24 cases 9 (37.5%) had vacA signal sequence s2 strains, 13 (54,17%) had s1a strains and one (4.17%) had s1b strain. One (4.17%) case contained multiple s-subtypes. VacA middle region sequences m1 and m2 were detected in 4 (16.67%) and 16 (66.67%) strains re-spectively. One patient (4.17%) contained multiple m-subtypes whereas in three (12.5%) cases the m-type was unde-tectable. CagA was present in 7/24 (29.17%) patients. The cancer strain was cagA+/vacAs1 type. There was a correla-tion between cagA positivity and vacAs1. There was no dif-ference between the cagA+/vacAs1 strains and the presence or absence of ulcers

or absence or uncers.

CONCLUSION: cagA status and vacA genotyping was successful with tissue samples taken directly from gastric biopsies. The predominant vacA strains in Crete are s1a/m2 type, strains which produce moderate amounts of vacuolating toxin. The cagA status and the s1 vacA allele are unreliable as single markers in determining the risk of developing peptic ulcer disease. It is important for primary care physicians to know the genetic heterogeneity among H. pylori strains in order to select an appropriate therapy. Digestive Disease Week & 10th Annual Meeting of the AGA 14-19 May 2005, Chicago, IL Gastroenterology 2005;128(Suppl 2):A-563

The Impact of Eradication of Helicobacter Pylori on the Evolution of Intestinal Metaplasia and Gastric Dysplasia Haridimos Taibidakis, Nikitas Papantoniou, Stylianos Karatapanis, Gerasimos Terezakis, A

Farmakidis, Philip Lisgos, A Ponzeno

Aim: The study aims to investigate the evolution of intestinal metaplasia and gastric dysplasia in patients after successful eradication of helicobacter pylori (HP).

Patients and Methods: 103 patients (51males, 42 females, mean age 65 years) with HP ositive chronic atrophic gastritis were included in our study. All patients underwent upper Gl endoscopy and biopsies were taken from the annum and body of the stomach to estimate the degree of atrophy, intestinal metaplasia, (IM), and dysplasia. The presence of HP was established by histology (Giensa), serology (ELISA) and with the uses breath was (UETtest). All patients received HP endication therapy with triple regimens. Endication was assessed 4 weeks after completion of treatment by UBT and HP histology. All patients were secretary 1 weeks and completed to distinct your distinct of the state of the secretary as a sec

type IIa in 7/103 (7%), and type IIb in 22/103 (21%). A slight degree of dysplasia was also observed in 15/103 patients (14%). 24 months after the endication of HP, in the patients with IM of type I, we found regression of IM in 11/14, a change to type IB in 274, and to II is in 374 while in 3674 IM remained unchanged. In the patients with IM of type II we observed regression in 37, change to IIb in 2/7 while in 2/7 IM remained unchanged. In the patients with IM of type IIb we noted regression in 3/22, change to IIs in 3/22, change to type 1 in 7/22, and no change in 9/22. At 24 months after successful endication

of HP we noted disappearance of dysplasia in 14/15 patients Conclusions: The data of our study show that after successful endication of HP there is regression of intestinal metaplasia and dysplasia of the stomach in a significant number of patients.

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RABEPRAZOLE REGIMENS FOR THE ERADICATION OF

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BACKGROUND/AIM: To evaluate the efficacy and safety of three triple therapies based on rabeprazole (RAB).

METHODS: 142 H.pylori positive patients (CLO-test, histology) (median age 48, range 18-79) with peptic ulcer (n=79) or non-ulcer dyspepsia (n=63) were randomized to receive RAB 20mg bid, Clarithromycin (CL) 500mg bid, and Amoxycillin (AMO) 1gr bid for 1 week (Group A, n=47), or RAB 20mg bid, CL 500mg bid and AMO 1gr bid for 10 days (Group B, n=48) or RAB 20mg bid, CL 500mg bid and AMO 1gr bid for 14 days. H. pylori eradication was assessed 4 weeks after completion of treatment (by CLO-test and histology). Clarithromycin sensitivity tests were carried out in the cultured pre-treatment (96/142, 67.6%) H.pylori strains.

RESULTS: The eradication rates according to intention to treat analysis (ITT) were 35/47 (74.4%) in Group A, 38/48 (79.1%) in Group B and 43/47 (91.5%) in Group C (P<0.05 betwee Group A and C), and according to per-protocol analysis (PP) 37/47 (78.7%) in Group A, 40/48 (83.3%) in Group B and 44/ 47 (83.6%) in Group C (P<0.05 between group A and C). Primary CL resistance was 9/96 (9.4%). The eradication rate in the CL resistant H.pylori strains was 3/9 (33.3%), whereas in the CL sensitive strains 81/87 (93.1%) P<0.0005. Side effects in all groups were generally mild and only two patients discontinued treatment due to adverse effects (1 in Group B and 1 in Group C).

CONCLUSION: We conclude that 14-days triple therapy based on rabeprazole proved more effective than the 7-days regi-men in the eradication of Helicobacter pylori infection. 11th Conference of the European Society of General Practice/Family Medicine 3-7 September 2005, Kos Island, Greece Book of Abstracts: p. 307

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INFECTION BY H.PYLORI AMONG PATIENTS PRESENTING WITH DYSPEPSIA

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BACKGROUND/AIM: To estimate the positive predictive value (PPV) for H. pylori infection of a positive answer to a simple question that denotes symptomatic dyspepsia.

METHODS: Patients with self-reported or evident (by repeated prescriptions of anti-ulcer medications) dyspepsia, formed the population of the study. Patients then asked to give either a positive or a negative (yes or no) answer to the following statement: "I often have problems with my stomach". All patients were subsequently tested for H. pylori infection using as a "gold standard" a prescription diagnostic breath test kit (HELICOBACTER INFAI ®)

RESULTS: Sixty seven patients gave a positive answer to the above statement. Twelve of them were found to be infected with H. pylori. The Positive Predictive Value of the statement was calculated to be 17.9%.

CONCLUSION: Reported sypmtoms of dyspepsia have a low PPV as a "diagnostic tool" for H. Pylori inflection. Consequently primary care physicians should not base their clinical decision as to order a H. Pylori laboratory examination on the presence of dyspeptic symptoms alone.