

## **Principal Investigator**

**Name :** A/Prof Khay-Guan YEOH

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## **Employment History**

Associate Professor, Department of Medicine, National University of Singapore.

## **Research Interests**

Gastric Cancer –Molecular Epidemiology, Biomarkers, Screening.

Helicobacter pylori infection

Outcomes research in Gastroenterology

## **Academic and Professional Qualifications**

MBBS, 1987, National University of Singapore

MMed (Int Med), 1992, National University of Singapore

Fellow of Academy of Medicine Singapore (Gastroenterology), 1996

Fellow of the Royal College of Physicians of Glasgow, 2003

Fellow of the Royal College of Physicians of London, 2005

## **Selected Publications**

- 1 Ho KY, Gwee KA, Khor JLC, Selamat DS, Wai CT, Yeoh KG. Empirical Treatment For The Management Of Patients Presenting With Uninvestigated Reflux Symptoms: A Prospective Study In An Asian Primary Care Population. *Aliment Pharmacol Ther* 2005; 21: 1313–1320.
- 2 Teh M, Tan KB, Yeoh KG. Study of p53 immunostaining in the gastric epithelium of cagA-positive and cagA-negative Helicobacter pylori gastritis. *Cancer* 2002, 95 (3): 499-505.
- 3 So JBY, Yeoh KG, Moolchala S, Chachlani N, Ho J, Wong WK, Mack P, Goh PMY. Serum pepsinogen levels in gastric cancer patients and their relationship with Helicobacter pylori infection: a prospective study. *Gastric Cancer* (2002) 5: 228–232
- 4 Wai CT, Yeoh KG, Ho KY, Kang JY, Lim SG. Diagnostic yield of upper GI endoscopy in Asian patients presenting with dyspepsia. *Gastrointestinal Endoscopy* 2002; 56: 548-51.
- 5 YY Dan, KG Yeoh, J So. Cost-effectiveness of screening for cancer of stomach using endoscopy. *Gastroenterology* 2002; 122 : T1574 (Abstract)
- 6 Wai CT, Ho KY, KG Yeoh, SG Lim. Palliation of malignant gastric outlet obstruction caused by gastric cancer with self-expandable metal stents. *Surgical Laparoscopy Endoscopy and Percutaneous Techniques* Jun 2001; 11 (3): 161-164.
- 7 Zheng, PY, J Hua, K G Yeoh and B Ho. Association of peptic ulcer with increased expression of Lewis antigens but not cagA, iceA, and vacA in Helicobacter pylori in an Asian population. *Gut* 2000; 47: 18-22.
- 8 Hua J, PY Zheng, KG Yeoh, B Ho. The status of the cagA gene does not predict

- Helicobacter pylori*-associated peptic ulcer disease in Singapore. *Microbios* 2000; 102; 113-120.
- 9 Hua J, Yeoh KG, Zheng P, Ng HC, Ho B. Susceptibility testing of *Helicobacter pylori* to metronidazole and DNA fingerprints of resistant strains in Singapore. *Journal of Microbiology and Biotechnology* 1999; 3.
  - 10 Hua J, Ng HC, Yeoh KG, Ho B. Predominance of a single strain of *Helicobacter pylori* in the gastric antrum. *Helicobacter* 1999; 4 (1): 28-32.
  - 11 Yeoh KG, Zimmerman M, Cunningham JT, Cotton PB. Comparative costs of metal vs plastic biliary stent strategies for malignant obstructive jaundice by decision analysis. *Gastrointestinal Endoscopy* 1999; 49: 466-471.
  - 12 Hua J, Ho B, Zheng P, Yeoh KG, Ng HC, Lim SG. Coexistence of *Helicobacter pylori* spiral and coccoid forms in experimental mice. *World Journal of Gastroenterology* 1998;4:485-488.
  - 13 Hua J, Ng HC, Yeoh KG, Ho KY, Ho B. Characterisation of clinical isolates of *Helicobacter pylori* in Singapore. *Microbios* 1998;94:71-81.
  - 14 Lee HS, Gwee KA, Teng LY, Kang JY, Yeoh KG, Wee A, Chua BC. <sup>13</sup>C-urea breath test for *Helicobacter pylori* using a simple gas chromatograph-mass selective detector. *European Journal of Gastroenterology and Hepatology* 1998, 10: 569-572.
  - 15 Kang JY, Yeoh KG, Ho KY, Guan R, Lim TP, Quak SH, Wee A, Teo D, Ong YW. Racial differences in *Helicobacter pylori* seroprevalence in Singapore. *Journal of Gastroenterology & Hepatology* 1997; 12:655-9.

#### **Academic Awards and Honours**

ASGE Poster of Distinction, Digestive Disease Week, San Francisco, USA, 20-23 May 2002.  
 China Medical Board Fellowship for post-graduate studies at the Digestive Disease Center, Medical University of S Carolina, 1996-97  
 Merit Award for Best Free Paper, 15th Annual Scientific Meeting, Chapter of Physicians, Academy Of Medicine, Singapore, 1995  
 Young Clinician, 10th World Congress of Gastroenterology, Los Angeles, USA, 1994.  
 Seah Cheng Siang Gold Medal (M.Med examination, National University of Singapore), 1992

#### **Grant Support**

1. Principal Investigator, "Establishment of a Gastric Cancer Epidemiology, Clinical and Genetics Programme (GCEP) for population-based studies to identify clinical, serologic, pathological and genetic markers which can be used to define an optimal approach to gastric cancer screening." A\*STAR Singapore Cancer Syndicate Grant GN15 (2004-05, renewed 2005-06)
2. Principal Investigator, Biomarkers in Gastric Cancer. A\*STAR BMRC Grant (2005 to 2008)
3. Co-Investigator PRESAP study "Celecoxib in the prevention of colorectal adenomatous polyps" 2001-2003
4. Principal Investigator in NMRC/0274/1998 grant: "Do cytopathic (cagA+) strains *Helicobacter pylori* cause gastric injury by inducing apoptosis and nitric oxide production?" 1998-2000