



Hsun-Chin Chao MD

**Chang-Gung Memorial Hospital
Taiwan**

Education:

- (1) Research Fellow and Visiting Scholar of University of Los Angeles of California (UCLA), U.S.A: 2000-2001
- (2) China Medical College, 1984-1991
- (3) First Provincial Senior High School, Taichung, Taiwan, 1979-1982

Employment Record:

Rotating Intern, Chang Gung Memorial Hospital, 1989-1991
Army Medical Officer, Chinese Army, 1991-1993
First, Second, Third Year and Chief Resident in Department of Pediatrics, Chang Gung Children's Hospital, 1993-1997
Fellow in Division of Gastroenterology, Department of Pediatrics, Chang Gung Children's Hospital, 1996-1998
Attending Physician of Pediatric Gastroenterology, 1998-present
Chief Attending Physician of Pediatric Gastroenterology, 1998-2007, 2011-2017t
Research Fellow and Visiting Scholar of University of Los Angeles of California (UCLA), U.S.A: 2000-2001
Assistant Professor, Chang Gung Children's Hospital, Chang Gung University College of Medicine, 2003-present
Associate Professor, Chang Gung Children's Medical Center, Chang Gung Memorial Hospital, 2009-present
Associate Professor, Chang Gung University College of Medicine, 2011-present

Board Certification:

- (1) National Pediatric Board of Taiwan, #002054
- (2) National Medical Board of Taiwan, #021784



- (3) Digestive Association of Taiwan, #1209
- (4) Pediatric Digestive Association of Taiwan #077
- (5) Association of Enteral and Parenteral Nutrition of Taiwan #0147

Professional Affiliations:

- Member, Formosan Medical Association, Taiwan, 1997-present
- Member, Pediatric Association of Taiwan, 1993-present (No.3013)
- Member, Digestive Association of Taiwan, 1997-present (No.1209)
- Member, Pediatric Immunology of Taiwan, 1996-present
- Member, Pediatric Digestive Association of Taiwan, 1998-present (No.077)
- Member, Critical Care of Medicine, Taiwan, 1998-2003
- Member, Pediatric Health Association of Taiwan, 2007-2009
- Member, Asian Society of Pediatric Research, 2007-present
- Member, The Society of Ultrasound in Medicine, Taiwan, 2007-present
- Member, The Society of Enteral and Parenteral Nutrition, Taiwan, 2008-present (No.2614)

Research Interest:

- (1) Acute abdomen: sonographic diagnosis, expressions of serum CRP and cytokines in acute gastrointestinal disorders, diagnosis and treatment of acute life-threatening GI bleeding.
- (2) Malnutrition: TPN, critical care, feeding difficulties, congenital GI anomalies, short bowel syndrome, nutrition and infection, nutrition and immunity.
- (3) Anorexia: gastric emptying evaluation, effect of motility agents, psychological stress, mental retardation.
- (3) Constipation: impact on growth and nutritional status, effect of long-term medication, risk parameters for outcome.
- (4) Helicobacter pylori infection: immunological influence on gastric mucosa (cytokine, natural killer cell) in peptic ulcer disease, fecal expression in functional dyspepsia and irritable bowel syndrome
- (5) Ultrasonography: evaluation of gastrointestinal disease, soft tissue inflammation, and inguinal hernia
- (6) Color Doppler ultrasonography: intraabdominal mass, portal hypertension, gastrointestinal inflammation, intestinal volvulus, varicose,
- (7) GERD: gastric emptying study, anti-regurgitation formula therapy (cornstarch or cereal strengthened), diagnostic document (Barium GI series, gastroesophageal scan, endoscopy, 24 hr pH monitor), medical therapy (5 HT4 agonist, PPI, alginate), risk parameters for outcome
- (8) Therapeutic endoscopy in GI diseases (esophagus, stomach, duodenum, colon): hemostasis, balloon dilatation, polypectomy, electrocauterization, foreign body removal, feeding tube placement (ND or NJ feeding)



- (9) Endoscopic therapy for refractory esophageal stricture or pyloric stricture.
- (10) Irritable bowel syndrome: predisposing factors, mechanism and therapy (probiotics)
- (11) Probiotics: effect of intestinal eradication of Salmonella, effect of nutrition and growth in malnourished children, irritable bowel syndrome, bacterial overgrowth syndrome
- (12) Motility studies: gastric emptying and small bowel transit (malnourished children, dyspepsia, peptic ulcer disease, anorexia, irritable bowel syndrome)
- (13) Bacterial overgrowth syndrome: clinical evaluation, lactulose hydrogen breath analysis, therapeutic effect of probiotics
- (14) Enteral nutrition & Pareneteral nutrition therapy
- (15) Feeding difficulty and picky eaters: impact of picky eating behaviors on growth and nutritional status, impact of picky eating behaviors on mental development, education program (IMFeD) in picky eaters, effect of intervention in picky eaters.
- (16) Pediatric chronic anorexia: mechanism, pathogenesis, endocrine parameters, motility, digestive function, psychiatric disorders, treatment