

Faculty of Medicine Siriraj Hospital, Mahidol University
“wisdom of the land”



General Surgery 2011

Three Subdivisions



Consultant



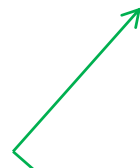
Chief of HPB Unit



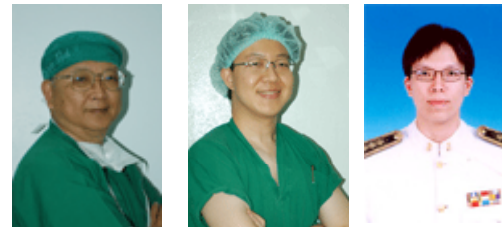
Head of Division of General Surgery



Chief of Colorectal Unit



COLO A



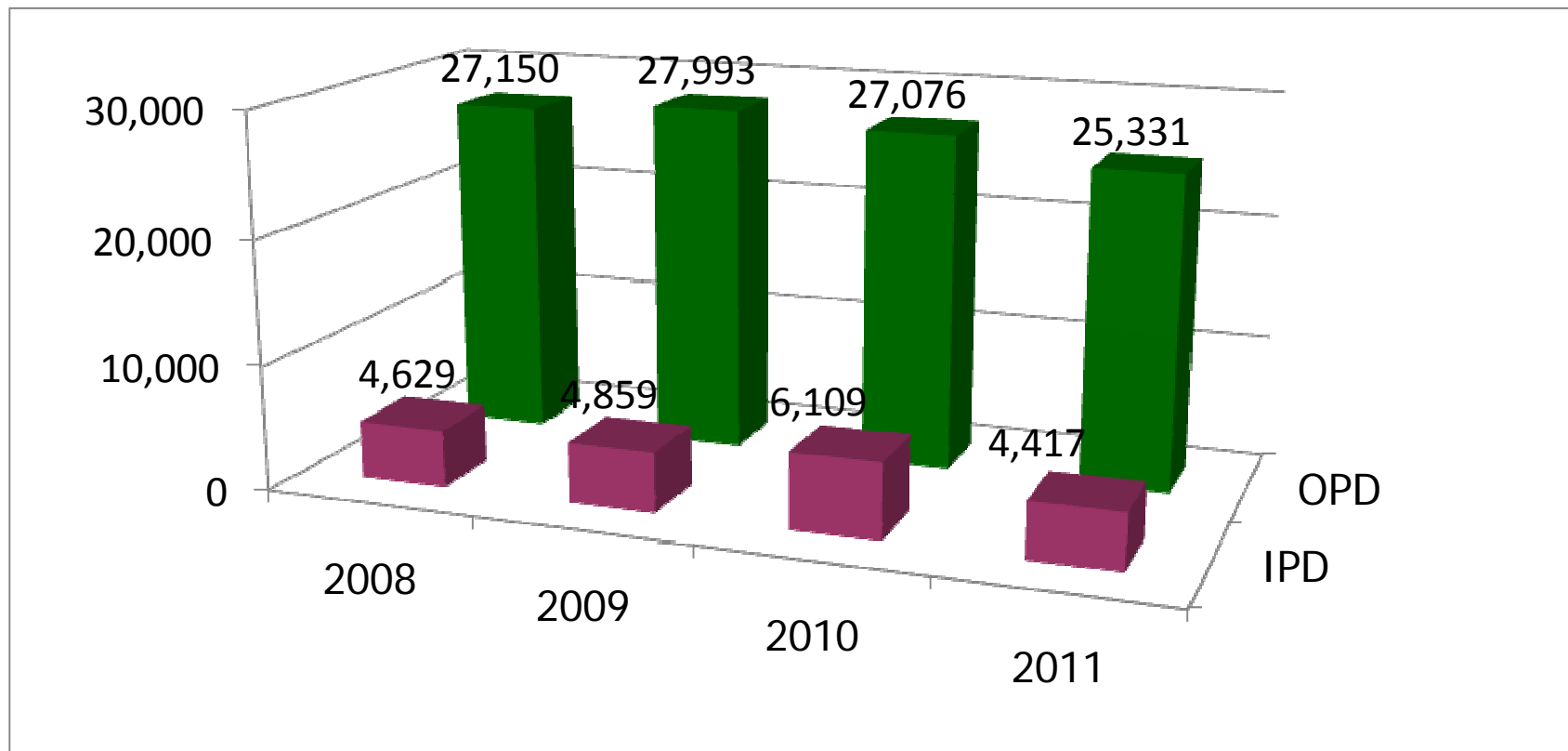
COLO B



Chief of MIS Unit



Service



Highlight for the Year 2011-2012



- ❖ Pancreas Transplantation
- ❖ Adult to pediatric liver transplantation
- ❖ Significant number of liver transplantation
- ❖ Fellowship Training

HPB Unit



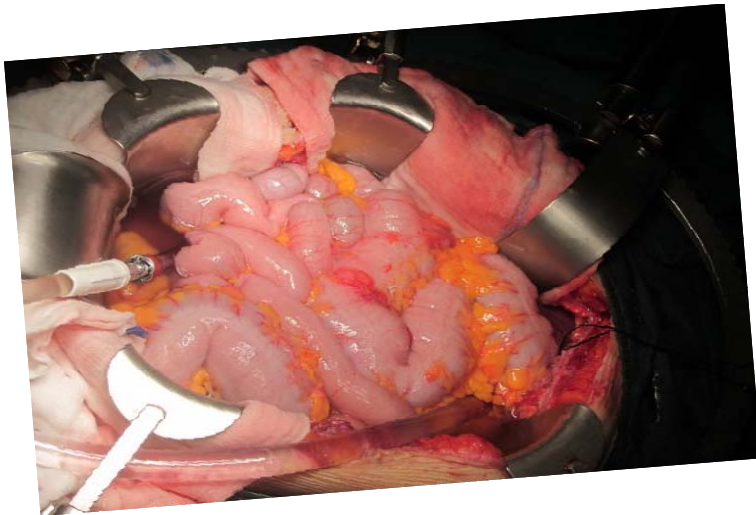
Hepatic Resection	106
Lobectomy	41
Segmentectomy	20
Wedge Hepatic Resection	45

Surgery of the Biliary tree (excl. LC)	37
Hilar and Bile duct resection	15
Biliary Bypass	22

Pancreatic Surgery	42
Pancreaticoduodenectomy	30
Distal Pancreatectomy	12

Transplantation	
Cadaveric liver transplantation	20
Living donor liver transplantation	2
Pancreas transplantation	3

Highlight for the Year 2011-2012



- ❖ HIPEC Treatment for Peritoneal Metastasis
- ❖ Bariatric Surgery
- ❖ Tissue banking (Colorectal and Gastric Cancer)
- ❖ Skill Lab Training Center
- ❖ Fellowship Training

Colorectal



Highlight for the Year 2011-2012



- ❖ Enhance Recovery after Colorectal Surgery
- ❖ Tumor Registry
- ❖ Cylindrical APR (Prone)

Colorectal and MIS Colorectal Procedures



Colorectal Surgery	182
Low Anterior Resection	55
Abdominoperineal Resection	36
Colectomy	91

Conventional : MIS = 182:73

Single Incision Lap Surgery	12
SILS Colectomy	12

Lapartoscopic Colorectal Procedure	32
Lap. Low Anterior Resection	8
Lap. Abdominoperineal Resection	7
Lap. Colectomy	17

Hand Assisted Lap Surgery	22
HALS Anterior Resection	3
HALS Low Anterior resection	4
HALS Hemicolectomy	15
Robotic Colorectal Procedure	7
Robotic Lap. Low Anterior Resection	4
Robotic Lap. AP Resection	1
Robotic Sigmoidectomy	2

MIS Unit



Esophago-Gastric Surgery	73
Gastrectomy	27
Esophagectomy	10
Lap. Gastrectomy	3
*Robotic Gastrectomy	3
Bariatric Surgery	14
Esophagomyotomy	2
Antireflux procedure	7
*Gastrectomy with peritoneectomy and intraoperative hyperthermic chemotherapy	7

Miscellaneous Lap Procedure	47
Lap. Adrenalectomy	24
Lap. Hernioplasty	16
Lap. Splenectomy	3
*Robotic Lap. Enucleation/distal pancreatectomy	4

The Basics



Basic Procedures and Endoscopy	
Hernia Repair	358
Appendectomy	251
Laparoscopic Appendectomy	4
Lap. Cholecystectomy	515
Hemorrhoidectomy	15
Fistulotomy/Fistulectomy	17
Endoscopy	2820



Academic activities

General Surgery

Grand round

Interesting case Audit case M&M

MIS

Journal Club, Preoperative & Postoperative Round

Colorectal

Journal Club, Preoperative & Postoperative Round

HPB

Grand round, Journal club, Update transplantation waiting list, Preoperative & Postoperative round

International Workshop



New Frontier for Colorectal Cancer

16-18 January 2012, Siriraj Hospital

Invited Guest Speaker

Prof. Seon-Hahn Kim

Anam Hospital, Korea



Prof. Martin R Weiser

Memorial Sloan Kettering Cancer Center

USA

Cadaveric Workshop



Workshops



- Surgical Endoscopic Training
- Laparoscopic Surgery Training
- Animal Workshop for Laparoscopic Surgery
- Complications of GI Endoscopy:
How to deal
- Fellowship for Hernia Surgery



Clinical Attachment



Resident and Fellow

Unit	Number	
	In-house	Outside
Colorectal	11	6
HPB	5	10
MIS	4	7
Total	20	23

Clinical Attachment



International Visitor

Country	Number
Germany	10
England	5
Finland	1
France	2
United State	1
Japan	3
Brazil	1
China	3
Austria	2
Total	28

Academic Activity



	Total	Average per staff
Lecturer (In-house)	132	6.3
Lecturer (Local)	123	5.9
Lecturer (International)	14	0.7
Local Publication	43	2.0
International Publication (PubMed & Scopus)	17	0.8

Total 21 staff:

HPB: 2 active and 4 study aboard (Japan, USA and England)

MIS: 7 active and 2 study aboard (Japan and USA)

Colorectal: 6 active

International Publication



Staff	Topic	Journal
Srivatanauksorn Y	Dowstaging for resection or liver transplantation	Hepatology International
Shimizu S, Itaba S, Yada S, Takahata S, Nakashima N, Okamura K, Rerknimitr R, Akaraviputh T , Lu X, Tanaka M	Significance of telemedicine for video image transmission of endoscopic retrograde cholangiopancreatography and endoscopic ultrasonography procedures	J Hepatobiliary Pancreat Sci
Lohsiriwat V , Pongsanguansuk W, Lertakyamane N , Lohsiriwat D	Impact of Metabolic Syndrome on the Short-Term Outcomes of Colorectal Cancer Surgery	Dis Colon Rectum
Boonnuch W , Akaraviputh T , Nino C, Yiengpruksawan A, Christiano AA	Successful treatment of esophageal metastasis from hepatocellular carcinoma using the da vinci robotic surgical system	World J Gastrointest Surg
Akaraviputh T , Trakarnsanga A	Surgical management of malignant melanoma of gastrointestinal tract	Melanoma in the Clinic Diagnosis, Management and Complications of Malignancy
Trakarnsanga A , Akaraviputh T , Methasate A , Chinswangwatanakul V	Hybrid approach for left-sided colonic carcinoma obstruction; a case report	World J Surg Oncol

International Publication



Staff	Topic	Journal
Srivatanauksorn Y, Tovikkai C	Comparison of staging systems of hepatocellular carcinoma	HPB Surg
Trakarnsanga A, Akaraviputh T, Wathanaoran P, Phalanusitthepha C, Methasate A, Chinswangwattanakul V	Single-incision laparoscopic colectomy without using special articulating instruments: an initial experience	World J Surg Oncol
Sa-ngiamsuntorn K, Wongkajornsilp A, Kasetsinsombat K, Duangsa-ard S, Nuntakarn L, Borwornpinyo S, Akarasereenont P, Limsrichamrern S, Hongeng S	Upregulation of CYP 450s expression of immortalized hepatocyte-like cells derived from mesenchymal stem cells by enzyme inducers	BMC Biotechnol
Srivatanauksorn Y, Srivatanauksorn V, Srisawat C, Khongmanee A, Tongkham C	Differential expression of sprouty genes in hepatocellular carcinoma	J Surg Oncol
Trakarnsanga A, Akaraviputh T	Endoscopic Tattooing: Is it a risk-free procedure?	World J Gastrointest Endosc



Future Plan

- ❖ HIPEC
- ❖ Skill Lab Training Center
- ❖ Bariatric Center
- ❖ Transplantation Center
- ❖ Colorectal Fellowship

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Thank You for Your Attention