SISR 607 (4834) Advanced Inter Disciplinary Endoscopy for Gastrointestinal Tract Cancer

(Code: 4834, 1st~2nd year, 1 units)
(Course ID: GS-c4834-L)

1. Instructors

Name	Position	Department	Contact Information
Thawatchai Akaraviputh	Chief instructor/ Professor	Division of General Surgery, Department of Surgery	Thawatchai.aka@mahidol.ac.th
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Chainarong Phalanusitthepha	Lecturer	Division of General Surgery, Department of Surgery	Chainarong.pha@mahidol.ac.th

2. Classroom/Lab Lecture

Lecture: Division of General Surgery, 12th floor Syamindra Building, Siriraj Hospital
Endoscopy Suite: Siriraj GI Endoscopy Center, 3rd floor 84th year Building, Siriraj Hospital
Operating theatre: 5th floor Syamindra Building, Siriraj Hospital

3. Course Purpose and Outline

At the end of the course, students will be able to:
- Understand complex diseases in the field of Gastrointestinal Endoscopy and Laparoscopic Surgery.
- Understand treatment in Interdisciplinary Endoscopy.
- Develop research questions relating to Interdisciplinary Endoscopy and their treatment.
- Generate idea in innovations relating treatment of Gastrointestinal Endoscopy.
- Obtain view of basic sciences including molecular biology and metabolomics methods in applying for research in Advanced Interdisciplinary Endoscopy.

4. Course objective(s)

This course provides a general introduction to Interdisciplinary Endoscopy. Common Gastrointestinal Endoscopy conditions will be thoroughly explored by means of lecture and clinical experience. Advanced Endoscopic & Laparoscopic treatment will be demonstrated through the course. Selected case studies will be discussed during group discussion. Integration of basic knowledge and innovative procedure including

Advanced imaging endoscopy and high technology procedure such as endoscopic surgery, laparoscopic until Robotic assisted for implement to cancer related research.

5. **Format**
   - Lecture: essential topics in Interdisciplinary Endoscopy.
   - Clinical practice: participate in operating theatre, Endoscopy Center and out-patient encounters in Minimally invasive Surgery Unit, Siriraj Hospital
   - Conference and journal club: presentation and participation in discussion
   - Group discussion: in-depth discussion with supervisors

6. **Course Details**
   Endoscopic Demonstration (Siriraj GI Endoscopy Center: 3rd floor 84th yr. building): Monday 9.00-16.00
   Operating theater (OR, 5th floor Syamindra building): Tuesday – Friday 9.00-16.00
   Pre- & Post-operative round (12th floor Syamindra building): Thursday 14.00-16.00
   Conference and group discussion: to be announced

7. **Assessment**
   Grades are based on attendance of lectures, performances on assignments, and levels of attitude, skills and knowledge

8. **Prerequisite Reading**
   When reading materials are distributed or specified in advance, participants are expected to read those materials beforehand.

9. **Reference Materials**
   Further reference will be announced before class.

10. **Language Used**
    All classes are conducted in English.

11. **Office Hours**
    Mon – Fri: 9:00 AM – 17:00 PM
    Contact: Prof. Thawatchai Akaraviputh, MD, FRCST, Dr.med. (Hamburg).
    Email:Akaraviputh@gmail.com Tel: +662-419-8005
    Please contact the instructor regarding questions or consultations.

12. **Note(s) to Students**
    None.