

## Clinical Fellowship Program in Rhinology and Allergy

(Training Curriculum for Certificate of Medical Proficiency in Rhinology and Allergy)

Rhinology and Allergy Division

Department of Otorhinolaryngology, Siriraj Hospital, Mahidol University

### Objective

Clinical fellowship program aims to provide an advanced training in diagnosis, medical and surgical treatment of sinonasal disorders including allergic disorders

### Course length

1 year, start date 1<sup>st</sup> July

### Eligibility

- A doctor who can communicate patients with Thai language
- Graduated of an accredited medical school and Otorhinolaryngology program, the international doctors have to register with Thai Medical Council before they are accepted in the program
- IELTS minimum over all 6.5 or TOEFL iBT > 78

### Training provides

1. Patient care in both out-patient, in-patient and special clinics (rhinology clinic, allergy clinic and smell and taste clinic)
2. Medical knowledge and surgical skills:
  - Correlated basic medical science in Otorhinolaryngology
    - Anatomy/ Physiology of nose and paranasal sinus and skull base
    - Radiology of nose and sinus
    - Pathology of sinonasal diseases

- advanced knowledge and investigation of the sinonasal disorders, which are
  - Sinonasal investigation: acoustic rhinometry, rhinomanometry, CT nose and paranasal sinus, etc.
  - Smell and taste investigation: PEA test, smell discrimination test, smell identification test, EGM, modified taste strip test, regional taste test
  - Allergic investigation: skin prick test, blood for specific IgE, mucociliary clearance test, etc.
- Surgical training experiences:
  - Endoscopic sinus surgery
  - Inferior turbinate reduction
  - Endoscopic repair of CSF leak
  - Septorhinoplasty
  - Endoscopic orbital and optic nerve decompression
  - Endoscopic dacryocystorhinostomy
  - Endoscopic approach for skull base tumor
  - Frontal sinus surgery
  - Other sinonasal procedures

Fellows have to attend medical conference such as grand round, interesting case, journal club, topic review, ENT-Pathology conference, ENT-Radiology conference.

Fellows will be first assigned as an assistant in the operating room to gain surgical experiences to all sinonasal cases, when available, may participate in sinonasal cases under supervision of senior consultants. We also offer 1 elective month in other hospitals around Thailand.

## Schedule (may be adjustable)

Date/time		Monday	Tuesday	Wednesday	Thursday	Friday
7.00 - 8.00		Ward round				
8.00 - 9.00		Interesting case conference	Journal club conference	- Planning VS Morbidity & mortality conference - Rhino fellowship interhospital conference: Once a month)	Rhinology round (1 <sup>st</sup> week of month)	1 <sup>st</sup> week of month x-ray conference 2 <sup>nd</sup> week of month Pathology conference
9.00 – 16.00	Fist 6 months	Rhinology clinic (Dr. Jate)	Operating room (Dr. Pongsakorn)	OPD clinic (Dr. Pongsakorn and Dr. Jate)	Operating room (Dr. Jate)	Operating room (Dr. Paraya and Dr. Triphoom)
	Last 6 months	Operating room (Dr. Premyot)	Operating room (Dr. Pongsakorn)	Allergy clinic (Dr. Triphoom and Dr. Premyot)	Smell and taste clinic (Dr. Paraya)	Operating room (Dr. Paraya and Dr. Triphoom)

## Leave

Sick leave: not more than 10 days per year

Personal and vocational leave: not more than 10 days per year

## On-call

Fellow is on-call 5 times per month under supervision of senior staffs

## International course

- Allergy course (Once a year)
- International Rhinology Update course(Once a year)

## Staffs

Name	Qualification
Dr. Pongsakorn Tantilipikorn, M.D., PhD., FRCOT.	<ul style="list-style-type: none"> <li>- Ph.D. (Epidemiology &amp; Biostatistic), Khon Kaen University, Thailand.</li> <li>- Fellow: American Rhinologic Society, American Rhinologic Society.</li> <li>- Fellow: European Rhinologic Society, European Rhinologic Society.</li> <li>- Postdoctoral Fellow in Rhinology, University of Pennsylvania, USA.</li> </ul>
Paraya Assanasen M.D.	<ul style="list-style-type: none"> <li>- Certificate of Research Fellowship in Allergy and Rhinology, University of Chicago, USA</li> <li>- Diploma Thai Board of Otorhinolaryngology, Department of Otolaryngology, Faculty of Medicine, Siriraj Hospital, Mahidol University, Bangkok, Thailand</li> <li>- Doctor of Medicine, Faculty of Medicine, Siriraj Hospital, Mahidol University, Bangkok, Thailand</li> </ul>
Jate Lumyongsatien, M.D.	<ul style="list-style-type: none"> <li>- Clinical fellowship in Rhinology and Allergy, Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand.</li> <li>- Diplomate Thai Board of Otolaryngology, Department of Otorhinolaryngology, Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand</li> <li>- Doctor of Medicine, Faculty of Medicine, Siriraj Hospital, Mahidol University, Bangkok, Thailand</li> </ul>
Triphoom Suwanwech, M.D.	<ul style="list-style-type: none"> <li>- Clinical fellowship in Rhinology and Allergy, Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand.</li> <li>- Diploma Thai Board of Otolaryngology, Thai Royal College of Otolaryngology</li> <li>- Doctor of Medicine, Mahidol University, Bangkok Metropolitan Medical College and Vajira Hospital</li> </ul>

Name	Qualification
Premyot Ngaotepprutaram, M.D.	<ul style="list-style-type: none"><li data-bbox="618 205 1510 296">- Certificate of Fellowship in Rhinology and Allergology, Faculty of Medicine Siriraj Hospital, Mahidol University</li><li data-bbox="618 323 1502 413">- Diploma of the Thai Board of Otorhinolaryngology, Faculty of Medicine Siriraj Hospital, Mahidol University</li><li data-bbox="618 441 1430 531">- Doctor of Medicine, Magna Cum Laude Cumulative GPA Honor Faculty of Medicine Siriraj Hospital, Mahidol University</li></ul>

## Curriculum

### 1. Correlated basic medical sciences in Otorhinolaryngology

1.1 Anatomy/ Physiology of nose and paranasal sinus and skull base

1.2 Radiology of nose and paranasal sinus

1.3 Pathology of sinonasal diseases

### 2. Diseases and disorders in Rhinology and Allergy: diagnosis and treatment in

Level 1: Common diseases and disorders of nose and paranasal sinus

Allergic rhinitis

Non-allergic rhinitis

Sinusitis

Nasal polyp

Smell and taste disorders

Tumor of nose and paranasal sinus

Level 2: Uncommon diseases and disorders of nose and paranasal sinus

CSF leak

Dacryocystitis

Skull base tumors

Thyroid orbitopathy

Complications of sinusitis

### 3. Special sinonasal investigation

Level 1: can do and interpret by self

Skin prick test

Acoustic rhinometry

Rhinomanometry

Smell and taste test

Mucociliary clearance test

Level 2: can interpret

CT, MRI (related structures)

Blood for specific IgE to common aeroallergen

### 4. Sinonasal skills

Level 1: Can do

- Endoscopic sinus surgery
- Inferior turbinate reduction
- Septorhinoplasty

Level 2: Under supervision

- Endoscopic orbital and optic nerve decompression
- Endoscopic dacryocystorhinostomy
- Endoscopic approach for skull base tumor
- Frontal sinus surgery

Level 3: Assist

- Endoscopic repair of CSF leak