Evolution of Endoscopic Excellence Center: ENT Department

Endoscopic Surgery in ENT

- Nose/PNS
  - Functional Endoscopic Sinus Surgery (FESS) / Endoscopic Sinus Surgery (ESS)
  - Expanded Endonasal Surgery (EES)

- Thyroid
  - Endoscopic Thyroidectomy

Common indications for sinus surgery

- Chronic rhinosinusitis
- Nasal Polyps

History of Sinus Surgery

- Before 1987 (2530 B.E.), common sinus surgical techniques:
  - Intranasal Sinus Surgery
  - Ethmoidectomy
  - Inferior meatal antrostomy (non-physiologic)
  - External Approach
  - Lynch operation for frontal sinus surgery
  - External ethmoidectomy
  - Caldwell-Luc Operation: Radical Surgery
  - Rarely Perform Sphenoidotomy

Intranasal Sinus Surgery

- Instruments
  - Headlight
  - Simple instruments: mainly ethmoid forceps
  - No CT of Paranasal Sinuses
- Disadvantages
  - Not clear vision
  - Sinus pathology cannot totally eradicated
  - May create much more problems: removal of mucoperiosteum and lead to permanent sinus diseases
  - More chance for major complications

- NOT PERFORM ANY MORE
Functional Endoscopic Sinus Surgery (FESS) / Endoscopic Sinus Surgery (ESS)

- Hopkins-rod telescope: start the evolution of sinus surgery in 1959

In 1978: first book on nasal endoscopy & endoscopy of ethmoid sinus by Prof Walter Messerklinger, Graz University, Austria


“Functional Endoscopic Sinus Surgery: The Messerklinger’s Technique
First Book on FESS: Launched in late 1991 by Prof Stammberger (Messerklinger’s Student)

Endoscopic Sinus Surgery (FESS) in Thailand

Dr. Chaipattana Vannachari
PIONEER OF FESS IN THAILAND
STARTED IN 1987 (2530 B.E.)
At the beginning of FESS at Srinagarind H.

Nowadays

**PIONEER OF FESS IN E-SAN**

- Started FESS in 2534 B.E.

**Expanded Endonasal Surgery (EES)**

- Lateral Rhinotomy for Tumor Removal
- Midfacial degloving
- External Ethmoidectomy / External DCR
- Anterior & Posterior Nasal Packing
- Endoscopic Remonvval of Vascular Tumor (Angiofibroma)
- Endoscopic Vidian Neurectomy
- Endoscopic Removal of Infratemporal Fossa Tumor
- Endoscopic Removal of Vascular Tumor
- Endoscopic Turbinoectomy
- Endoscopic Optic Nerve Decompression
- Endoscopic Ligation of Sphenopalatine Artery
- Endoscopic Septoplasty
- Endoscopic Dacryocystorhinostomy
- Endoscopic Orbital Decompression
- Endoscopic Septoplasty
- Endoscopic Ligation of Sphenopalatine Artery
- Endoscopic CSF Repair
- Expanded Endonasal Surgery (EES)

**Co-operate with Neurosurgeon**

- Endoscopic Pituitary Surgery
- Endoscopic Removal of Anterior Skull Base Lesion
- etc.
Dr. Pornthep Kasemsiri:
Is training in Endoscopic Skull Base Surgery at “The Ohio State University Wexner Medical Center” with Prof Ricardo L. Carrau.
“A World Pioneer of Endoscopic Skull Base Surgery”

“Khon Kaen 2nd International Advanced Course of Endoscopic Endonasal Sinus & Skull Base Surgery: Hands-on Dissection in Fresh Cadavers”

January 15-18, 2013

Venue: Faculty of Medicine, Khon Kaen University, Thailand

Cadaveric Workshop Room at Singapore General Hospital

Cadaveric Workshop Room at Fac. of Medicine, Chulalongkorn Univ.

Thank You For Your Attention