

# Curriculum Vitae

Patorn Piroomchai MD, MSc, PhD, FRCOT, FICS

Associate Professor of Otolaryngology

Deputy Director of Office of Clinical Epidemiology

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## Current Affiliation

Associate Professor  
Department of Otorhinolaryngology,  
Faculty of Medicine, Khon Kaen University  
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Deputy Director  
Office of Clinical Epidemiology  
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## Executive appointments

2017-present Assistant Dean for International Relations and Cooperation Strategies  
Faculty of Medicine, Khon Kaen University

2011-present Associate Committee  
Khon Kaen University Ethics Committee for Human research

2016-2017 Assistant Dean for Strategic initiatives and Administration  
Faculty of Medicine, Khon Kaen University

2015-2018 Board of Directors  
Office of Clinical Epidemiology, Faculty of Medicine, Khon Kaen University

## Educations

2012-2016 University of Melbourne  
Doctor of Philosophy in Surgery (Otolaryngology)

2009-2011 University of London, London School of Hygiene & Tropical Medicine  
Master of Science in Clinical Trials

2005-2010 Royal College of Otolaryngology – H&N Surgery of Thailand  
Thai board of Otolaryngology – H&N Surgery

2007-2009 University of London, London School of Hygiene & Tropical Medicine  
Postgraduate Diploma in Clinical Trials

2007-2008 Khon Kaen University  
Graduate Diploma in Clinical Science (Otorhinolaryngology)

1999-2004 Khon Kaen University  
Doctor of Medicine

## Certificates

- 2009 Temporal Bone & Ear Surgery, Otolaryngology Institute of Thailand, Ministry of Public Health
- 2008 Endoscopic Sinus Surgery, Department of Otolaryngology – H&N Surgery, Faculty of Medicine, Chulalongkorn University
- 2008 New Cochrane Handbook Methods & RevMan5 for Existing Review Authors, the Cochrane Collaboration
- 2008 Developing Protocol for a Cochrane Review, the Cochrane Collaboration
- 2008 Evidence Based Medicine and Critical Appraisal skills, Thai Rhinologic Society
- 2006 Evidence Based Medicine, Faculty of Medicine, Khon Kaen University

## Scholarships

- 2007 Post-graduate Training in Otolaryngology, Department of Otolaryngology – H&N Surgery, Faculty of Medicine, Mie University, Japan

## Journal Articles

1. Wijewickrema S, Zhou Y, Ioannou I, Copson B, **Piromchai P**, Yu C, Briggs R, Bailey J, Kennedy G, O'Leary S. Presentation of automated procedural guidance in surgical simulation: results of two randomised controlled trials. *J Laryngol Otol*. 2018 Mar;132(3):257-263.
2. Ioannou I, Zhou Y, Wijewickrema S, **Piromchai P**, Copson B, Kennedy G, O'Leary S. Comparison of Experts and Residents Performing a Complex Procedure in a Temporal Bone Surgery Simulator. *Otol Neurotol*. 2017 Mar 24.
3. Copson B, Wijewickrema S, Zhou Y, **Piromchai P**, Briggs R, Bailey J, Kennedy G, O'Leary S. Supporting skill acquisition in cochlear implant surgery through virtual reality simulation. *Cochlear Implants Int*. 2017 Mar;18(2):89-96.
4. **Piromchai P**, Wijakkanalan P, Teeramatwanich W, Kasemsiri P, Laohasiriwong S, Ratanaanekchai T. Postauricular-submental approach endoscopic thyroidectomy. *Clin Otolaryngol*. 2016 Nov 12.
5. **Piromchai P**, Ioannou I, Wijewickrema S, Kasemsiri P, Lodge J, Kennedy G, O'Leary S. Effects of anatomical variation on trainee performance in a virtual reality temporal bone surgery simulator. *J Laryngol Otol*. 2016 Oct 28:1-7.
6. **Piromchai P**, Kasemsiri P, Vatanasapt P, Yimtae K, Reechaipichitkul W, Thanaviratananich S. Ear, Nose, Throat and Craniofacial Disease Community Services Initiative of Khon Kaen University. *J Med Assoc Thai*. Aug;99 Suppl 5:S81-85.
7. Head K, Chong LY, **Piromchai P**, Hopkins C, Philpott C, Schilder AG, Burton MJ. Systemic and topical antibiotics for chronic rhinosinusitis. *Cochrane Database Syst Rev*. 2016 Apr 26;4.
8. **Piromchai P**, Reechaipichitkul W. Migration of Foreign Bodies from the Upper Digestive Tract: A Case Series. *J Med Assoc Thai*. 2015 Aug;98 Suppl 7:S248-52.
9. **Piromchai P**, Kasemsiri P, Thanawirattananit P, Yimtae K. Congenital Malformations of the Inner Ear: Case Series and Review of the Literature. *J Med Assoc Thai*. 2015 Aug;98 Suppl 7:S217-24.
10. Wijakkanalan P, Saesaew P, Wongsawatdiwat M, **Piromchai P**. Whether Post-Tonsillectomy Medication should be Liquid Based or can be Solid? A Randomised, Single-Blinded, Controlled Trial. *J Med Assoc Thai*. 2015 Aug;98 Suppl 7:S179-84.
11. Chainansamit S, **Piromchai P**, Anantpinijwatna I, Kasemsiri P, Thanaviratananich S. Baby Shampoo versus Commercial Anti-fogging Solution to Prevent Fogging during Nasal Endoscopy: A Randomized Double-Blinded, Matched-Pair, Equivalent Trial. *J Med Assoc Thai*. 2015 Aug;98 Suppl 7:S128-31.

12. **Piromchai P**, Avery A, Laopaiboon M, Kennedy G, O'Leary S. Virtual reality training for improving the skills needed for performing surgery of the ear, nose or throat. *Cochrane Database Syst Rev*. 2015 Sep 9;9:CD010198.
13. **Piromchai P**, Wijewickrema S, Smeds H, Kennedy G, O'Leary S. Correlations of External Landmarks with Internal Structures of the Temporal Bone. *Otol Neurotol*. 2015 Jul 17.
14. Wijewickrema S, **Piromchai P**, Zhou Y, Ioannou I, Bailey J, Kennedy G, O'Leary S. Developing effective automated feedback in temporal bone surgery simulation. *Otolaryngol Head Neck Surg*. 2015 Jun;152(6):1082-8
15. **Piromchai P**, Thanaviratananich S. Impact of treatment time on the survival of patients suffering from invasive fungal rhinosinusitis. *Clin Med Insights Ear Nose Throat*. 2014 Sep 9;7:31-4
16. **Piromchai P**, Kasemsiri P, Wijewickrema S, Ioannou I, Kennedy G, O'Leary S. The construct validity and reliability of an assessment tool for competency in cochlear implant surgery. *Biomed Res Int*. 2014;2014:192741
17. **Piromchai P**. Virtual Reality Surgical Training in Ear, Nose and Throat Surgery. *International Journal of Clinical Medicine*, 2014; 5(10):558-566
18. Wijewickrema S, Ioannou I, Zhou Y, **Piromchai P**, Bailey J, Kennedy G, O'Leary S. A temporal bone surgery simulator with real-time feedback for surgical training. *Stud Health Technol Inform*. 2014;196:462-8
19. **Piromchai P**, Thanaviratananich S. Invasive fungal rhinosinusitis versus bacterial rhinosinusitis with orbital complications: a case-control study. *ScientificWorldJournal*. 2013 Nov 3;2013:453297
20. **Piromchai P**, Kasemsiri P, Laohasiriwong S, Thanaviratananich S. Chronic rhinosinusitis and emerging treatment options. *Int J Gen Med*. 2013 Jun 7;6:453-64
21. **Piromchai P**, Avery A, Laopaiboon M, Kennedy G, O'Leary S: Virtual reality training for improving the skills needed for performing surgery of the ear, nose or throat [Protocol]. *Cochrane Database of Systematic Reviews* 2012, Issue 11.
22. **Piromchai P**, Thanaviratananich S. Acute Versus Chronic Invasive Fungal Rhinosinusitis: A Case-Control Study. *Infectious Diseases: Research and Treatment* 2012, 5:43-48
23. **Piromchai P**, Ratanaanekchai T, Kasemsiri P. Diagnosis and Treatment of Anaplastic Thyroid Carcinoma. *International Journal of Clinical Medicine* 2012, 3:69-73
24. **Piromchai P**, Srirompotong S, Lertchanaruengrith P, Mills R. A Child Presenting with a Bullet in the Middle Ear: Case Report. *Clin Med Insights Case Rep* 2012, 5:1-4.
25. **Piromchai P**, Suetrong S. Psychological status in patients seeking rhinoplasty. *Clin Med Insights Ear Nose Throat* 2011, 4:31-35.
26. **Piromchai P**, Thanaviratananich S, Laopaiboon M. Systemic antibiotics for chronic rhinosinusitis without polyps in adults. *Cochrane Database of Systematic Reviews* 2011 May 11, Issue 5.
27. **Piromchai P**, Kasemsiri P, Thanaviratananich S. Alternative agents to prevent fogging in head and neck endoscopy. *Clin Med Insights Ear Nose Throat* 2011, 4:1-4.
28. **Piromchai P**, Lertchanaruengrith P, Vatanasapt P, Ratanaanekchai T, Thanaviratananich S. Fractured metallic tracheostomy tube in a child: a case report and review of the literature. *J Med Case Reports*. 2010 Aug 2;4:234.

29. **Piromchai P**, Thanaviratananich S, Laopaiboon M: Antibiotics for chronic rhinosinusitis in adults [Protocol]. *Cochrane Database of Systematic Reviews* 2010, Issue 1.
30. **Piromchai P**, Vatanasapt P, Reechaipichitkul W, Phuttharak W, Thanaviratananich W: Is the routine pressure dressing after thyroidectomy necessary? A prospective randomized controlled study. *BMC Ear, Nose and Throat Disorders* 2008, **8**:1.
31. **Piromchai P**, Vatanasapt P, Reechaipichitkul W, Phuttharak W, Thanaviratananich W: Is the routine pressure dressing after thyroidectomy necessary? A prospective randomized controlled study. *Srinagarind Med J* 2008, **23**(suppl):155. (Article in Thai)
32. **Piromchai P**, Premkamol A: The incomes-expenditures of universal health care system in Srinagarind hospital year 2002. *Srinagarind Med J* 2003, suppl. (Article in Thai)

### Conference Proceeding

1. **Piromchai P**, Wijewickrema S, Smeds H, Kennedy G, O'Leary S. Correlations of External Landmarks with Internal Structures of the Temporal Bone. In the 16<sup>th</sup> ASEAN-ORL 2015; Nov 2015
2. Wijewickrema S, Ioannou I, Zhou Y, **Piromchai P**, Bailey J, Kennedy G, O'Leary S. Region-Specific Automated Feedback in Temporal Bone Surgery Simulation. *CBMS*. 2015: 310-315
3. Zhou Y, Ioannou I, Wijewickrema S, Bailey J, **Piromchai P**, Kennedy G, O'Leary S. Transfer Learning of a Temporal Bone Performance Model via Anatomical Feature Registration. *ICPR*. 2014: 1916-1921
4. **Piromchai P**, Kasemsiri P, Wijewickrema S, Ioannou I, Kennedy G, O'Leary S. The Construct Validity and Reliability of an Assessment Tool for Competency in Cochleostomy. In the ASOHNS 64th Annual Scientific Meeting; 29 Mar. 2014, Brisbane, Australia; 2014:110.
5. **Piromchai P**, Thanaviratananich S: Invasive Fungal Sinusitis and Complications in Srinagarind Hospital. In the 13<sup>th</sup> Asian Research Symposium in Rhinology; 20-21 Nov. 2008, Bangkok, Thailand. Thai Rhinologic Society; 2008: A62.
6. **Piromchai P**, Thanaviratananich S: Orbital complication of Rhinosinusitis at Srinagarind Hospital. In the Kyung Hee International Rhinologic Symposium; 7-9 Nov. 2008, Seoul, Korea. Kyung Hee University; 2008: 44.

### Book Chapter

1. **Piromchai P**. Virtual reality for cochlear implant. In: Courtney H, editors. Cochlear implants: advances, efficacy and future directions. New York: Nova Science Publishers; 2018. p. 31-50.
2. **Piromchai P**. Virtual reality for otolaryngology surgical rehearsal. In: Hill Z, editors. Virtual reality: advances in research and applications. New York: Nova Science Publishers; 2016. p. 55-84.
3. **Piromchai P**. Virtual reality in ear, nose and throat surgery. In: Cipresso P, Serino S, editors. Virtual reality: technologies, medical applications and challenges. New York: Nova Science Publishers; 2014. p. 135-148.

### Thai Book

1. ภาธร ภิรมย์ไชย. โรคของต่อมน้ำลาย. พิมพ์ครั้งที่ ๒. กรุงเทพฯ: แคนเน็กซ์อินเตอร์คอร์ปอเรชั่น; ๒๕๖๐, ๑๑๘ หน้า.

### Thai Book Chapter

1. ภาธร ภิรมย์ไชย. ปัญหาของหูน้ำหนวกเรื้อรังที่ถามกันบ่อย. พรเทพ เกษมศิริ, อีรพร รัตนาเอนกชัย, บรรณาธิการ. การประชุมวิชาการโสต ศอ นาสิกวิทยา ภาคตะวันออกเฉียงเหนือ (ENT ISAN) ครั้งที่

- ๔ ประจำปี ๒๕๖๐ “Making the best for ENT practice”. ขอนแก่น: เพ็ญพรินต์ติ้ง; ๒๕๖๐, หน้า ๑-๖.
2. ภาธร ภิรมย์ไชย. การผ่าตัดต่อมไทรอยด์ผ่านกล้อง. เกรียงศักดิ์ เจนวนิธิสุข, พรเทพ เกษมศิริ, บรรณาธิการ. การประชุมวิชาการครั้งที่ ๑ ประจำปี ๒๕๖๐ “The Future Trend in Minimally Invasive Surgery”. ขอนแก่น: คลังน่านาวิทยา; ๒๕๖๐, หน้า ๑๒๕-๑๔๐.
3. ภาธร ภิรมย์ไชย. กายวิภาคและการเจริญของหู. ขวัญชนก ยิ้มแท้, บรรณาธิการ. หูชั้นใน. ขอนแก่น: คลังน่านาวิทยา; ๒๕๖๐, หน้า ๑-๑๔.

### **E-Learning Module**

1. **Piromchai P**, Kasemsiri P, Thanaviratananich S: Thyroid Problem – Diagnostic Picture Test. BMJ Learning. BMJ. (In editorial process)

### **Editorial board**

- 2019-present Journal of Medical Case Reports  
Biomed Central, Springer Nature
- 2017-present Annals of Case Reports and Images  
SciTeMed Publishing
- 2017-present Journal of Advances in Medicine and Medical Research  
SCIENCEDOMAIN international
- 2015-present British Journal of Medicine and medical research  
SCIENCEDOMAIN international

### **Journal Review Committee**

1. American Journal of Medicine
2. Annals of Case Reports and Images
3. Annals of Internal Medicine
4. Anatomical Sciences Education
5. Asian Rhinology Journal
6. Balkan Medical Journal
7. British Journal of Medicine and medical research
8. Clinical Reviews and Opinions
9. Clinical Medicine Insight: Case Report
10. Clinical Medicine Insight: Ear, Nose and Throat
11. Clinical Otolaryngology
12. Clinical Otology
13. International Journal of Immunopathology and Pharmacology
14. Journal of Computer Engineering & Information Technology
15. Journal of Otology & Rhinology
16. Laryngoscope
17. Lasers in Surgery and Medicine
18. Medical Journal of Dr DY Patil University
19. Ophthalmology Research: An international Journal
20. PeerJ
21. The Open Journal of Public Health
22. International Journal of Medicine and Medical Sciences
23. International Journal of Medical and Pharmaceutical Case Reports
24. World Journal of Surgical Oncology