

Curriculum Vitae



Name (English): Police Lieutenant Colonel Angkoon Anuwong, MD, FRCST, FACS

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Office Address: Department of Surgery, Police General Hospital
492/1, Rama I Road, Pathumwan
Pathumwan , Bangkok 10300, Thailand
Office number: (+66) 2-207-6000

Position:

- Program Director, Minimally Invasive Surgery Division, Department of Surgery, Police General Hospital, Bangkok, Thailand
- Visiting Professor of Endocrine Surgery, Department of Surgery, Yale University School of Medicine, Connecticut, USA
- Visiting Professor of Endocrine Surgery, Department of Surgery, Mount Sinai Beth Israel, Icahn School of Medicine, New York, USA
- Visiting Professor of Endocrine Surgery, Department of Surgery, University of California, San-Francisco (UCSF), USA

Lauguages: Spoken and Written: Thai, English

Education:

- 1998 – 2004 - Faculty of Medicine Doctor of Medicine
Chiangmai University, Chiangmai, Thailand
- 2007 – 2011 - Residency training in General Surgery, Diploma in Thai Board
Rajavithi Hospital, Bangkok, Thailand of General Surgery
- 2012 - Clinical Fellow in Minimally Invasive Surgery Certificate in
Rajavithi Hospital, Bangkok, Thailand MIS
- 2012 - International Fellowship of Robotic and Laparoscopic
colorectal surgery, Korea University Anam Hospital, Seoul,
South Korea
- 2013 - International Fellow, Bariatric, Metabolic & Minimally Invasive
Surgery Training Program, University of Minnesota,
Minneapolis, Minnesota, USA
- 2014 - Visiting Fellow, Endoscopic Thyroidectomy Training Program,
The First Affiliated Hospital of Jinan University, Guangzhou,
China

Additional Training:

- 2007 - Advanced Cardiac Life Support (ACLS) , Bangkok, Thailand
- 2008 - Ambulatory Trauma Care, Bangkok, Thailand
- Advanced Trauma Life Support (ATLS) Student Course
Bangkok, Thailand
- 2010 - 1st Laparoscopic Surgery Workshop, Bangkok, Thailand
- Basic Endoscopic Workshop, Bangkok, Thailand
- 2011 - 2nd Laparoscopic Surgery Workshop, Bangkok, Thailand
- 2012 - 3rd Laparoscopic Surgery Workshop, Bangkok, Thailand
- International Laparoscopic Colectomy Workshop,
Bangkok, Thailand
- 4th International Endoscopic Thyroidectomy Workshop,
Bangkok, Thailand
- The 3rd international Hands-on Workshop in Soft Cadaver in
Bariatric Surgery, Bangkok, Thailand

- 2013 - Advanced Trauma Life Support (ATLS) *Instructor* Course, Bangkok, Thailand
- Advanced Surgical Skills for Exposure in Trauma (ASSET) Student Course, Bangkok, Thailand
- 2014 - Endoluminal and Laparoscopic Bariatric and Metabolic Surgery Course, ASIA IRCAD-Taiwan, Lukang, Taiwan

Professional Experience:

- 2004 – 2005 General Practitioner (Internship), Lampang Hospital, Lampang, Thailand
- 2005 – 2007 General Practitioner (Acting Director), Maepruk Hospital, Lampang, Thailand
- May 2013 Department of Surgery, Rajavithi Hospital, Rangsit University, Bangkok, Thailand
- October 2013 Minimally Invasive Surgery Division, Department of Surgery,
To present Police General Hospital, Bangkok, Thailand
- March 2016 Visiting Professor of Endocrine Surgery, Department of Surgery, Yale University School of Medicine, Connecticut, USA
- February 2017 Visiting Professor of Endocrine Surgery, Department of Surgery, Mount Sinai Beth Israel, Icahn School of Medicine, New York, USA
- Visiting Professor of Endocrine Surgery, Department of Surgery, University of California, San-Francisco (UCSF), USA

Professional Organizations:

- Fellow - The Royal College of Surgeons of Thailand (FRCST)
- Fellow – American College of Surgeons (FACS)
- Member - Medical Association of Thailand
- Committee - Thai Endocrine Surgeons Society (TESS)
- Honour Consultant, Asian Continental Board - The High Tech Surgery Association International Executive Committee
- Member - Asian Association of Endocrine Surgeons (AsAES)

Member - International Association of Endocrine Surgeons (IAES)

Member – American Association of Endocrine Surgeons (AAES)

Professional Licensure:

2004 - Present Medical Practitioner License No. 30603, Thailand

2011 – Present General Surgery License No.22567/2554, Thailand

Researches and Publication:

1. **Anuwong A.** Transoral Endoscopic Thyroidectomy Vestibular Approach: A Series of the First 60 Human Cases. *World J Surg.* 2016 Mar;40(3):491-7. doi: 10.1007/s00268-015-3320-1. PMID: 26546193.
2. **Anuwong A,** Jitpratoom P, Sasanakietkul T. Bilateral areolar endoscopic Sistrunk operation: a novel technique for thyroglossal duct cyst surgery. *Surg Endosc.* 2017 Apr;31(4):1993-1998. doi: 10.1007/s00464-016-5137-x. Epub 2016 Aug 4. PMID: 27492432.
3. Chiappa C, Rovera F, Rausei S, Del Ferraro S, Fachinetti A, Lavazza M, Marchionini V, Arlanti V, Tanda ML, Piantanida E, Kim HY, **Anuwong A,** Dionigi G. Breast cancer and thyroid diseases: analysis of 867 consecutive cases. *J Endocrinol Invest.* 2017 Feb;40(2):179-184. doi: 10.1007/s40618-016-0543-4. Epub 2016 Sep 13. PMID: 27624298.
4. **Anuwong A,** Lavazza M, Kim HY, Wu CW, Rausei S, Pappalardo V, Ferrari CC, Inversini D, Leotta A, Biondi A, Chiang FY, Dionigi G. Recurrent laryngeal nerve management in thyroid surgery: consequences of routine visualization, application of intermittent, standardized and continuous nerve monitoring. *Updates Surg.* 2016 Dec;68(4):331-341. doi: 10.1007/s13304-016-0393-9. Epub 2016 Sep 20. PMID: 27651334.
5. Udelsman R, **Anuwong A,** Oprea AD, Rhodes A, Prasad M, Sansone M, Brooks C, Donovan PI, Jannitto C, Carling T. Trans-oral Vestibular Endocrine Surgery: A New Technique in the United States. *Ann Surg.* 2016 Dec;264(6):e13-e16. doi: 10.1097/SLA.0000000000002001. PMID: 27649533.
6. **Anuwong A,** Kim HY, Dionigi G. Neural Monitoring in Thyroid Surgery: Is it Evidence-Based? Is it Cost-Effective? *World J Surg.* 2016 Nov;40(11):2829-2830. doi: 10.1007/s00268-016-3513-2. PMID: 27091204.
7. Frattini F, Borroni G, Lavazza M, Liu X, Kim HY, Liu R, **Anuwong A,** Rausei S, Dionigi G. New endoscopic procedures for diabetes mellitus type 2 and obesity

treatment. *Gland Surg.* 2016 Oct;5(5):458-464. doi: 10.21037/gs.2016.10.03. PMID: 27867859; PMCID: PMC5106375.

8. Dionigi G, Wu CW, Kim HY, Liu X, Liu R, Randolph GW, **Anuwong A**. Safety of energy based devices for hemostasis in thyroid surgery. *Gland Surg.* 2016 Oct;5(5):490-494. doi: 10.21037/gs.2016.09.01. PMID: 27867863; PMCID: PMC5106374.

9. Lavazza M, Liu X, Wu C, **Anuwong A**, Kim HY, Liu R, Randolph GW, Inversini D, Boni L, Rausei S, Frattini F, Dionigi G. Indocyanine green-enhanced fluorescence for assessing parathyroid perfusion during thyroidectomy. *Gland Surg.* 2016 Oct;5(5):512-521. doi: 10.21037/gs.2016.10.06. PMID: 27867866; PMCID: PMC5106380.

10. Inversini D, Rausei S, Ferrari CC, Frattini F, **Anuwong A**, Kim HY, Liu X, Wu CW, Tian W, Liu R, Dionigi G. Early intact PTH (iPTH) is an early predictor of postoperative hypocalcemia for a safer and earlier hospital discharge: an analysis on 260 total thyroidectomies. *Gland Surg.* 2016 Oct;5(5):522-528. doi: 10.21037/gs.2016.09.08. PMID: 27867867; PMCID: PMC5106384.

11. Sasanakietkul T, Jitpratoom P, **Anuwong A**. Transoral endoscopic parathyroidectomy vestibular approach: a novel scarless parathyroid surgery. *Surg Endosc.* 2017 Sep;31(9):3755-3763. doi: 10.1007/s00464-016-5397-5. Epub 2016 Dec 28. PMID: 28032220.

12. Xiaoli L, Wu CW, Kim HY, Tian W, Chiang FY, Liu R, **Anuwong A**, Randolph GW, Dionigi G, Lavazza M. Gastric acid secretion and gastrin release during continuous vagal neuromonitoring in thyroid surgery. *Langenbecks Arch Surg.* 2017 Mar;402(2):265-272. doi: 10.1007/s00423-017-1555-z. Epub 2017 Jan 19. PMID: 28105483.

13. Dionigi G, Bacuzzi A, Lavazza M, Inversini D, Pappalardo V, Boni L, Rausei S, Barczynski M, Tufano RP, Kim HY, **Anuwong A**. Transoral endoscopic thyroidectomy via vestibular approach: operative steps and video. *Gland Surg.* 2016 Dec;5(6):625-627. doi: 10.21037/gs.2016.12.05. PMID: 28149809; PMCID: PMC5233844.

14. Ierardi AM, Pappalardo V, Liu X, Wu CW, **Anuwong A**, Kim HY, Liu R, Lavazza M, Inversini D, Coppola A, Floridi C, Boni L, Carrafiello G, Dionigi G. Usefulness of CBCT and guidance software for percutaneous embolization of a lymphatic leakage after thyroidectomy for cancer. *Gland Surg.* 2016 Dec;5(6):633-638. doi: 10.21037/gs.2016.12.13. PMID: 28149811; PMCID: PMC5233834.

15. Dionigi G, Lavazza M, Bacuzzi A, Inversini D, Pappalardo V, Tufano RP, Kim HY, **Anuwong A**. Transoral Endoscopic Thyroidectomy Vestibular Approach (TOETVA): From A to Z. *Surg Technol Int.* 2017 Feb 7;30:103-112. PMID: 28182829.

16. Dionigi G, Bacuzzi A, Lavazza M, Inversini D, Boni L, Rausei S, Kim HY, **Anuwong A**. Transoral endoscopic thyroidectomy: preliminary experience in Italy. *Updates Surg*. 2017 Jun;69(2):225-234. doi: 10.1007/s13304-017-0436-x. Epub 2017 Apr 12. PMID: 28405949.
17. Dionigi G, Tufano RP, Russell J, Kim HY, Piantanida E, **Anuwong A**. Transoral thyroidectomy: advantages and limitations. *J Endocrinol Invest*. 2017 Nov;40(11):1259-1263. doi: 10.1007/s40618-017-0676-0. Epub 2017 Apr 21. PMID: 28432675.
18. Dionigi G, Kim HY, Wu CW, Lavazza M, Materazzi G, Lombardi CP, **Anuwong A**, Tufano RP. Neuromonitoring in endoscopic and robotic thyroidectomy. *Updates Surg*. 2017 Jun;69(2):171-179. doi: 10.1007/s13304-017-0442-z. Epub 2017 Apr 24. PMID: 28439772.
19. **Anuwong A**. Strategy to Prevent Subcutaneous Emphysema and Gas Insufflation-Related Complications in Transoral Endoscopic Thyroidectomy Vestibular Approach: Reply. *World J Surg*. 2017 Oct;41(10):2649-2650. doi: 10.1007/s00268-017-4042-3. PMID: 28474274.
20. Russell JO, Clark J, Noureldine SI, **Anuwong A**, Al Khadem MG, Yub Kim H, Dhillon VK, Dionigi G, Tufano RP, Richmon JD. Transoral thyroidectomy and parathyroidectomy - A North American series of robotic and endoscopic transoral approaches to the central neck. *Oral Oncol*. 2017 Aug;71:75-80. doi: 10.1016/j.oraloncology.2017.06.001. Epub 2017 Jun 10. PMID: 28688695.
21. Dionigi G, Lavazza M, Wu CW, Sun H, Liu X, Tufano RP, Kim HY, Richmon JD, **Anuwong A**. Transoral thyroidectomy: why is it needed? *Gland Surg*. 2017 Jun;6(3):272-276. doi: 10.21037/gs.2017.03.21. PMID: 28713699; PMCID: PMC5503935.
22. **Anuwong A**, Kim HY, Dionigi G. Transoral endoscopic thyroidectomy using vestibular approach: updates and evidences. *Gland Surg*. 2017 Jun;6(3):277-284. doi: 10.21037/gs.2017.03.16. PMID: 28713700; PMCID: PMC5503927.
23. **Anuwong A**, Sasanakietkul T, Jitpratoom P, Ketwong K, Kim HY, Dionigi G, Richmon JD. Transoral endoscopic thyroidectomy vestibular approach (TOETVA): indications, techniques and results. *Surg Endosc*. 2018 Jan;32(1):456-465. doi: 10.1007/s00464-017-5705-8. Epub 2017 Jul 17. PMID: 28717869.
24. Kim HY, Chai YJ, Dionigi G, **Anuwong A**, Richmon JD. Transoral robotic thyroidectomy: lessons learned from an initial consecutive series of 24 patients. *Surg Endosc*. 2018 Feb;32(2):688-694. doi: 10.1007/s00464-017-5724-5. Epub 2017 Jul 19. PMID: 28726141.
25. Chai YJ, Chung JK, **Anuwong A**, Dionigi G, Kim HY, Hwang KT, Heo SC, Yi KH, Lee KE. Transoral endoscopic thyroidectomy for papillary thyroid microcarcinoma:

initial experience of a single surgeon. *Ann Surg Treat Res*. 2017 Aug;93(2):70-75. doi: 10.4174/astr.2017.93.2.70. Epub 2017 Jul 28. PMID: 28835882; PMCID: PMC5566749.

26. **Anuwong A**, Ketwong K, Jitpratoom P, Sasanakietkul T, Duh QY. Safety and Outcomes of the Transoral Endoscopic Thyroidectomy Vestibular Approach. *JAMA Surg*. 2018 Jan 1;153(1):21-27. doi: 10.1001/jamasurg.2017.3366. PMID: 28877292; PMCID: PMC5833624.

27. Lavazza M, Rausei S, Pappalardo V, Inversini D, Mangini M, Ierardi AM, **Anuwong A**, Kim HY, Carrafiello G, Dionigi G. Topographical Variations between Splenic Flexure and Spleen: A Study with CT Image-Based Reconstruction. *Surg Technol Int*. 2017 Oct 12;31:117-121. PMID: 29029358.

28. Dionigi G, Chai YJ, Tufano RP, **Anuwong A**, Kim HY. Transoral endoscopic thyroidectomy via a vestibular approach: why and how? *Endocrine*. 2018 Feb;59(2):275-279. doi: 10.1007/s12020-017-1451-x. Epub 2017 Oct 16. PMID: 29039144.

29. Jitpratoom P, **Anuwong A**. The use of ICG enhanced fluorescence for the evaluation of parathyroid gland preservation. *Gland Surg*. 2017 Oct;6(5):579-586. doi: 10.21037/gs.2017.09.01. PMID: 29142851; PMCID: PMC5676163.

30. Chai YJ, Kim HY, Kim HK, Jun SH, Dionigi G, **Anuwong A**, Richmon JD, Tufano RP. Comparative analysis of 2 robotic thyroidectomy procedures: Transoral versus bilateral axillo-breast approach. *Head Neck*. 2018 May;40(5):886-892. doi: 10.1002/hed.25034. Epub 2017 Dec 14. PMID: 29240281.

31. Dionigi G, Wu CW, Tufano RP, Rizzo AG, **Anuwong A**, Sun H, Carcoforo P, Antonino C, Portinari M, Kim HY. Monitored transoral endoscopic thyroidectomy via long monopolar stimulation probe. *J Vis Surg*. 2018 Jan 26;4:24. doi: 10.21037/jovs.2017.12.25. PMID: 29445610; PMCID: PMC5803135.

32. Karakas E, **Anuwong A**, Ketwong K, Kounnamas A, Schopf S, Klein G. Transorale Chirurgie der Schilddrüse und Nebenschilddrüsen : Implementierung und Evaluation der transoralen endoskopischen Technik über den Vestibularzugang (TOETVA) [Transoral thyroid and parathyroid surgery : Implementation and evaluation of the transoral endoscopic technique via the vestibular approach (TOETVA)]. *Chirurg*. 2018 Jul;89(7):537-544. German. doi: 10.1007/s00104-018-0635-0. PMID: 29637242.

33. Sun H, **Anuwong A**, Dionigi G. The value of neural monitoring in endoscopic-robotic thyroidectomy approaches. *J Minim Access Surg*. 2019 Jul-Sep;15(3):280. doi: 10.4103/jmas.JMAS_273_17. PMID: 29737318; PMCID: PMC6561062.

34. Russell JO, **Anuwong A**, Dionigi G, Inabnet WB 3rd, Kim HY, Randolph G, Richmon JD, Tufano RP. Transoral Thyroid and Parathyroid Surgery Vestibular

Approach: A Framework for Assessment and Safe Exploration. *Thyroid*. 2018 Jul;28(7):825-829. doi: 10.1089/thy.2017.0642. Epub 2018 Jun 18. PMID: 29790432.

35. Zhang D, Wu CW, Inversini D, Kim HY, **Anuwong A**, Bacuzzi A, Dionigi G. Lessons Learned From a Faulty Transoral Endoscopic Thyroidectomy Vestibular Approach. *Surg Laparosc Endosc Percutan Tech*. 2018 Oct;28(5):e94-e99. doi: 10.1097/SLE.0000000000000555. PMID: 29975356.

36. Jongekkasit I, Jitpratoom P, Sasanakietkul T, **Anuwong A**. Transoral Endoscopic Thyroidectomy for Thyroid Cancer. *Endocrinol Metab Clin North Am*. 2019 Mar;48(1):165-180. doi: 10.1016/j.ecl.2018.11.009. PMID: 30717900.

37. You JY, Kim HY, Chai YJ, Kim HK, **Anuwong A**, Tufano RP, Dionigi G. Transoral Robotic Thyroidectomy Versus Conventional Open Thyroidectomy: Comparative Analysis of Surgical Outcomes in Thyroid Malignancies. *J Laparoendosc Adv Surg Tech A*. 2019 Jun;29(6):796-800. doi: 10.1089/lap.2018.0587. Epub 2019 Feb 20. PMID: 30785841.

38. Park JO, **Anuwong A**, Kim MR, Sun DI, Kim MS. Transoral endoscopic thyroid surgery in a Korean population. *Surg Endosc*. 2019 Jul;33(7):2104-2113. doi: 10.1007/s00464-018-6481-9. Epub 2019 May 28. PMID: 31139979.

39. Zhang D, Caruso E, Sun H, **Anuwong A**, Tufano R, Materazzi G, Dionigi G, Kim HY. Classifying pain in transoral endoscopic thyroidectomy. *J Endocrinol Invest*. 2019 Nov;42(11):1345-1351. doi: 10.1007/s40618-019-01071-0. Epub 2019 Jun 11. PMID: 31187465.

40. Zhang D, Park D, Sun H, **Anuwong A**, Tufano R, Kim HY, Dionigi G. Indications, benefits and risks of transoral thyroidectomy. *Best Pract Res Clin Endocrinol Metab*. 2019 Aug;33(4):101280. doi: 10.1016/j.beem.2019.05.004. Epub 2019 Jun 4. PMID: 31204296.

41. Luna-Ortiz K, Gómez-Pedraza A, **Anuwong A**. Lessons Learned from the Transoral Endoscopic Thyroidectomy with Vestibular Approach (TOETVA) for the Treatment of Thyroid Carcinoma. *Ann Surg Oncol*. 2020 May;27(5):1356-1360. doi: 10.1245/s10434-019-07899-3. Epub 2019 Nov 20. PMID: 31749078.

42. Chan JYK, Koh YW, Richmon J, Kim J, Holsinger FC, Orloff L, **Anuwong A**. Transoral thyroidectomy with a next generation flexible robotic system: A feasibility study in a cadaveric model. *Gland Surg*. 2019 Dec;8(6):644-647. doi: 10.21037/gs.2019.10.13. PMID: 32042671; PMCID: PMC6989906.

43. Razavi CR, Shaear M, **Anuwong A**, Russell JO. The role of surgeon-performed ultrasound in transoral endoscopic thyroidectomy vestibular approach (TOETVA). *World J Otorhinolaryngol Head Neck Surg*. 2020 Jun 13;6(3):150-154. doi: 10.1016/j.wjorl.2020.01.009. PMID: 33073208; PMCID: PMC7548380.

44. Chen YH, Kim HY, **Anuwong A**, Huang TS, Duh QY. Transoral robotic thyroidectomy versus transoral endoscopic thyroidectomy: a propensity-score-matched analysis of surgical outcomes. *Surg Endosc.* 2020 Oct 27. doi: 10.1007/s00464-020-08114-1. Epub ahead of print. PMID: 33111192.

45. Chantawibul S, **Anuwong A**, Leelawat K. *Validation of appropriate reference genes for gene expression studies in human thyroid gland using real-time RT-PCR.* *J Med Assoc Thai.* 2012 Mar;95 Suppl 3:S36-40.

Main Research Interest/ Major specialty:

- Laparoscopic surgery
- Endocrine surgery
- Endoscopic thyroidectomy and parathyroidectomy
- Metabolic and Bariatric surgery
- Natural Orifice Transluminal Endoscopic Surgery (NOTES)

Experiences in Surgery:

- The 1st surgeon who perform the Transoral Endoscopic Thyroidectomy and parathyroidectomy in Thailand and South East Asia.
- The 1st surgeon who perform the Transvaginal Hybrid Cholecystectomy in Thailand and South East Asia.
- Laparoscopic Cholecystectomy
- Laparoscopic Hernioplasty (Abdominal wall, inguinal, hiatal)
- Laparoscopic Adrenalectomy
- Endoscopic Thyroidectomy (Transaxillary, Transareolar, Transoral)
- Endoscopic Parathyroidectomy
- Laparoscopic Colectomy (Right and Left Side and Rectum)
- Laparoscopic Abdominoperineal Resection
- Metabolic and Bariatric Surgery (Gastric banding/ Sleeve gastrectomy, RYGB)
- Endoscopic Surgery (EGD, Colonoscopy, advance endoscopy)
- Laparoscopic Myotomy and fundoplication for Lower Esophagus
- Laparoscopic Gastrectomy and small bowel resection
- Laparoscopic Splenectomy
- Laparoscopic Appendectomy
- Sex Reassignment Surgery – Laparoscopic sigmoid colonic harvest
- Single port / Single site laparoscopic surgeries
- Other advance laparoscopic surgeries

Local Invited Speaker & Lecturer

1. Basic Laparoscopic Instruments and Technique. Presented for “short term international fellow visiting program. Rajavithi Hospital”, *Bangkok, Thailand*, September 2013.
2. Laparoscopic Hernioplasty: How can I do it? Presented at “Basic Laparoscopic Workshop for General Surgeon, Police General Hospital” , *Bangkok, Thailand*, March 2014.
3. Surgical Role in Morbid Obesity. Presented at “Hospital Academic day, Police General Hospital”, *Bangkok, Thailand*, May 2014.
4. Trans-Oral Video-Assisted Neck Surgery. A new technique of endoscopic thyroidectomy. Presented and performed the live surgery demonstration at “Update in Minimally Invasive Surgery conference”, Hatyai General Hospital, *Hatyai, Songkla, Thailand*, July 2014.
5. Transoral Endoscopic Thyroidectomy. Presented and performed the live surgery demonstration at Mahasarakam General Hospital, *Mahasarakam, Thailand*, October 2014.
6. Transoral Endoscopic Thyroidectomy. Presented at Paolo Memorial Hospital, *Bangkok, Thailand*, October 2014.
7. Transoral Endoscopic Thyroidectomy. Presented and performed the live surgery demonstration at Roi Et General Hospital, *Roi Et, Thailand*, March 2015.
8. Transoral Endoscopic Thyroidectomy. Presented at “The 9th Head Neck Breast Seminar 2015 – Difficult Issues in Head, Neck and Breast Surgery”, Siriraj Hospital, Mahidol University, *Bangkok, Thailand*, March 2015.
9. Live surgery demonstration ‘Transoral Endoscopic Thyroidectomy’ at Mahasarakam General Hospital, *Mahasarakam, Thailand*, June 2015.
10. Live surgery demonstration ‘Transaxillary Endoscopic Thyroidectomy’ at Roi Et General Hospital, *Roi Et, Thailand*, June 2015.
11. Instructor at “Advanced Laparoscopic Surgery of GI Tract: Live Porcine Model Workshop”, Rajavithi Hospital, *Bangkok, Thailand*, July 2015.
12. Transoral Endoscopic Thyroidectomy. Presented and performed the live surgery demonstration at Lerdsin Hospital, *Bangkok, Thailand*, August 2015.
13. Surgical Role in Pediatric Morbid Obesity. Presented at “Updated in Pediatric Health Management”, Police General Hospital, *Bangkok, Thailand*, August 2015.
14. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and performed the live surgery demonstration at Nakornping Hospital, *Chiangmai, Thailand*, October 2015.
15. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented at Phyathai 2 International Hospital, *Bangkok, Thailand*, October 2015.
16. Endoscopic Thyroidectomy Trans-oral Endoscopic Thyroidectomy: New NOTES Surgery of Thyroid. Presented and performed live surgery demonstration at Vejthani Hospital, *Bangkok, Thailand*, November 2015.

17. Transoral Endoscopic Thyroidectomy. Presented and Instructor at Thyroidectomy Workshop. Chulalongkorn Hospital University, *Bangkok, Thailand*, December 2015.
18. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and performed the live surgery demonstration at Chiangrai Prachanukrau Hospital, *Chiangrai, Thailand*, December 2015.
19. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and performed the live surgery demonstration at Buddhachinaraj Hospital, *Phitsanulok, Thailand*, January 2016.
20. Update in Transoral Endoscopic Thyroidectomy. Presented at 4th MIS Hatyai Conference "HTC Hernia Thyroid Colon", *Hatyai, Songkla, Thailand*, January 2016
21. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and performed the live surgery demonstration at Charoenkrung Pracharak Hospital, *Bangkok, Thailand*, January 2016.
22. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and at Phyathai 3 Hospital, *Bangkok, Thailand*, January 2016.
23. Updated in Transoral Endoscopic Thyroidectomy. Presented at Paolo Memorial Hospital, *Bangkok, Thailand*, March 2016.
24. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented at The 30th Regional Annual Scientific Congress of the Royal College of Surgeons of Thailand, Khon Kaen University, *Khon Kaen, Thailand*, March 2016.
25. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and performed the live surgery demonstration at Chao Phraya Yommarat Hospital, *Suphanburi, Thailand*, March 2016.
26. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and performed the live surgery demonstration at Chonburi Hospital, *Chonburi, Thailand*, April 2016.
27. Transoral Endoscopic Thyroidectomy with 3D Laroscopic Surgery. Presented at 2016 Annual Congress of the Royal College of Otolaryngology of Thailand, Pattaya, *Thailand*, April 2016.
28. Natural Orifice Transluminal Endoscopic Surgery (NOTES) of Thyroid. Presented and performed the live surgery demonstration at the 6th Bangkok Annual in Minimally Invasive Surgery, Charoenkrung Pracharak Hospital, *Bangkok, Thailand*, May 2016.
29. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and performed the live surgery demonstration at Khon Kaen University, *Khon Kaen, Thailand*, June 2016.
30. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and performed the live surgery demonstration at Mukdahan Hospital, *Mukdahan, Thailand*, July 2016.
31. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and performed the live surgery demonstration at Buddhachinaraj Hospital, *Phitsanulok, Thailand*, August 2016.

32. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and performed the live surgery demonstration at Lampang Hospital, *Lampang, Thailand*, August 2016.
33. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and performed the live surgery demonstration at Maharat Nakhon Ratchasima Hospital, *Nakhon Ratchasima, Thailand*, September 2016
34. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and performed the live surgery demonstration at Sisaket Hospital, *Sisaket, Thailand*, October 2016
35. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and performed the live surgery demonstration at Sappasitthiprasong Hospital Hospital, *Ubon Ratchathani, Thailand*, October 2016
37. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and performed the live surgery demonstration at Vajira Hospital, *Bangkok, Thailand*, November 2016
38. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and performed the live surgery demonstration at Vejthani Hospital, *Bangkok, Thailand*, November 2016
39. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and performed the Annual Meeting of the Northern Otolaryngologist at Chiangmai University, *Chiangmai, Thailand*, December 2016

International Invited Speaker & Lecturer

1. Instructor at “The 5th ASEAN Endoscopic Thyroidectomy Workshop”, *Bangkok, Thailand*, July 2013.
2. Panelist and Instructor at “The 6th ASEAN Endoscopic Thyroidectomy Workshop”, *Bangkok, Thailand*, September 2014.
3. Endoscopic Thyroidectomy in Southeast Asia. Presented at “China 24th National Training Course for Endoscopic Thyroidectomy”, *Guangzhou, Republic of China*, December 2014
4. Transoral Endoscopic Thyroidectomy Vestibular Approach: Presented at “Endoscopic Thyroidectomy Woskshop in Soft Cadaver: Pre congress of 46th World Congress of Surgery”, *Bangkok, Thailand*, August 2015.
5. Transoral Endoscopic Thyroidectomy: new NOTES surgery of thyroid. Presented at Thyroid & Neck Dissection Workshop, 2nd SingHealth Surgical Congress, Singapore General Hospital, *Singapore*, October 2015.
6. Transoral Endoscopic Thyroidectomy. Presented at 16th ASEAN ORL-HNS Congress, *Chiangmai, Thailand*, November 2015.
7. IONM in Thailand. Presented at The 2015 Annual Symposium of Korean Intraoperative Neural Monitoring Society, *Seoul, South Korea*, November 2015.

8. Scarless Thyroid Surgery By Transoral Approach. Presented at PACE & MENDOS Update 2016 by Malabar Endocrine Society, *Kozhikode, Kerala, India*, January 2016.
9. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and performed the live surgery demonstration at the 1st International Thyroid NOTES Conference, *Bangkok, Thailand*, February 2016.
10. Transoral Endoscopic thyroidectomy: A New NOTES Thyroid Surgery. Presented at The 54th Leon E. Sample Memorial Lecture, Department of Surgery, Yale University School of Medicine, *Connecticut, USA*, March 2016.
11. Transoral Endoscopic thyroidectomy: A New NOTES Thyroid Surgery. Presented at The 15th Congress of the Asian Association of Endocrine Surgeons, *Seoul, South Korea*, April 2016.
12. Transoral Endoscopic Thyroidectomy Vestibular Approach: Results in more than 250 cases. Presented at 3rd International Emirates Conference on Minimally Invasive Surgery & NOTES, *Abu Dhabi, UAE*, May 2016.
13. Transoral Endoscopic Thyroidectomy & Parathyroidectomy. Presented at Endocrine & Head & Neck Symposium, *Hong Kong*, May 2016.
14. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented at the 8th International Endoscopic Thyroidectomy Workshop. *Bangkok, Thailand*, August 2016.
15. Transoral Endoscopic Thyroidectomy. Presented at 1st Transoral Thyroidectomy Symposium, *Singapore*, August 2016.
16. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented at Endocrine Surgery 2016: Update in Thyroid, Parathyroid and Adrenal Gland. *Bangkok, Thailand*, August 2016.
17. Transoral Endoscopic Thyroidectomy. Presented at the 1st Ethicon Transoral Thyroidectomy Workshop, *Seoul, South Korea*, September 2016.
18. Transoral Endoscopic Thyroidectomy. Presented and performed the live surgery demonstration at the 2nd International Symposium on Transoral Endoscopic Thyroidectomy, *Manila, the Philippines*, September 2016.
19. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and performed the live surgery demonstration at the Intensive Course in Laparoscopic General Surgery Course, IRCAD Taiwan, *Taichung, Taiwan*, October 2016.
20. Transoral Endoscopic Thyroidectomy. Presented at 8th Clinical Robotic Surgery Association (CRSA2016), *Daegu, South Korea*, October 2016.
21. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and performed the live surgery demonstration at the 2 International Endoscopic Thyroid Conference, Chung Shan Medical University, *Taichung, Taiwan*, October 2016.
22. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented at Yonsei University, *Seoul, South Korea*, October 2016.

23. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented at the 22nd Combined Congress of Otorhinolaryngology Head and Neck Surgery, Cheongju, South Korea, October 2016.
24. Transoral Endoscopic Thyroidectomy Vestibular Approach with IONM. Presented at the 2016 Annual Symposium of Korean Intraoperative Neural Monitoring Society, *Seoul, South Korea*, October 2016.
25. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and proctoring at Mini-Transoral endoscopic thyroidectomy workshop, Mount Sinai Beth Israel, New York, USA, February 2017.
26. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented at University of San-Francisco, California (UCSF), California, USA, February 2017.
27. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented at Sandford University, California, USA, February 2017.
28. Transoral Thyroidectomy. Presented at Invitation to Seoul International Symposium of Surgical Oncology 2017, Seoul, South Korea, February 2017.
29. Transoral Endoscopic Thyroidectomy Vestibular Approach. Presented and performed the live surgery demonstration at the 2nd International Thyroid NOTES Conference, *Bangkok, Thailand*, March 2017.
30. Transoral Endoscopic Thyroidectomy – A New Frontier. Presented at International Minimally Invasive Surgery Conference 2017, Hong Kong, March 2017.
31. Transoral Endoscopic Thyroidectomy: Presented at 38th American Association of Endocrine Surgeon (AAES) Annual Meeting, Orlando, Florida, USA, April 2017.
32. Transoral Endoscopic Thyroidectomy Vestibular Approach: Presented and proctoring workshop at the 8th Singapore Allergy & Rhinology Conference, Singapore, May 2017.
33. Performing Live Surgery - Transoral Endoscopic Thyroidectomy Vestibular Approach (TOETVA) at Landesklinikum, Wiener Neustadt, Austria, June 2017.
34. Transoral Endoscopic Thyroidectomy: Presented at Thyroid Congress Munich Germany, Munich, Germany, June 2017.
35. Performing Live Surgery and proctoring- Transoral Endoscopic Thyroidectomy Vestibular Approach (TOETVA) at Queen's Marry Hospital, University of Hong Kong, June 2017.

Oral Presentation and Poster in Scientific Congress

1. VDO presentation: Laparoscopic Segment 6 Hepatectomy. Presented at The 37th Annual Scientific Congress of the Royal College of Surgeon of Thailand, *Pattaya, Thailand*, July 2012

2. VDO presentation: Single Incision Laparoscopic Low Anterior Resection. Presented at The 38th Annual Scientific Congress of the Royal College of Surgeon of Thailand, *Pattaya, Thailand*, July 2013
3. VDO presentation: Laparoscopic Low Anterior Resection VS Open Low Anterior Resection. Presented at The 38th Annual Scientific Congress of the Royal College of Surgeon of Thailand, *Pattaya, Thailand*, July 2013
4. VDO presentation: Transoral Endoscopic Thyroidectomy. The First NOTES Surgery in Thailand. Presented at The 39th Annual Scientific Congress of the Royal College of Surgeon of Thailand, *Pattaya, Thailand*, July 2014
5. VDO presentation: Transoral Endoscopic Thyroidectomy. Presented at “The Annual Academic Congress, Police General Hospital”, *Bangkok, Thailand*, October 2014.
6. Oral presentation: Transoral Endoscopic Thyroidectomy Vestibular Approach: A Series of the First 60 Human Cases. Presented at 46th World Congress of Surgery, *Bangkok, Thailand*, August 2015
7. VDO presentation: Transoral Endoscopic Thyroidectomy Vestibular Approach: A NOTES Thyroid Surgery. Presented at The 12th Asia-Pacific Congress of Endoscopic and Laparoscopic Surgery (ELSA 2015) *Daegu, South Korea*, September 2015
8. VDO presentation: Transoral Endoscopic Thyroidectomy Vestibular Approach: Experience of 222 Cases of Thyroid NOTES. Presented at 24th The European Association of Endoscopic Surgery (EAES) Congress, *Amsterdam, The Netherlands*, June 2016
9. VDO presentation: Transoral Parathyroidectomy in Parathyroid Adenoma. Presented at 24th The European Association of Endoscopic Surgery (EAES) Congress, *Amsterdam, The Netherlands*, June 2016
10. VDO presentation: Bilateral Transareolar Endoscopic Sistrunk Operation for The Treatment of Thyroglossal Duct Cyst. Presented at 24th The European Association of Endoscopic Surgery (EAES) Congress, *Amsterdam, The Netherlands*, June 2016
11. VDO presentation: Transoral Parathyroidectomy in Parathyroid Adenoma. Presented at 15th World Congress of Endoscopic Surgery, Suzhou, China, November 2016
12. VDO presentation: Bilateral Transareolar Endoscopic Sistrunk Operation for The Treatment of Thyroglossal Duct Cyst. Presented at 15th World Congress of Endoscopic Surgery, Suzhou, China, November 2016
13. VDO presentation: Transvaginal Hybrid Cholecystectomy: A First Series in Thailand. Presented at 15th World Congress of Endoscopic Surgery, Suzhou, China, November 2016
14. Oral presentation: Transoral Endoscopic Thyroidectomy Vestibular Approach: 425 cases of “NOTES” Thyroidectomy. Presented at the 88th meeting of the Pacific Coast Surgical Association (PCSA), Indian Wells, California, USA, February 2017.

Prize and Award

1. VDO: Transoral Endoscopic Thyroidectomy. The First NOTES Surgery in Thailand. **First-prize winner** of Innovation Audio-Visual Award in “The 39th Annual Scientific Congress of the Royal College of Surgeon of Thailand”, *Pattaya, Chonburi, Thailand, July 2014*
2. VDO: Transoral Endoscopic Thyroidectomy. **First-prize winner** of Audio-Visual Award in “The Annual Academic Congress, Police General Hospital”, *Bangkok, Thailand, October 2014.*