

Curriculum Vitae

รองศาสตราจารย์แพทย์หญิงวารารณ์ เชื้ออินทร์

ภาควิชาวิสัญญีวิทยา คณะแพทยศาสตร์

มหาวิทยาลัยขอนแก่น

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1. PERSONAL INFORMATION

Date of birth : August 14, 1957.

Present address : 19-23 Chuanchuen Road, Khon Kaen 40000, Thailand.

Marital status : Married

Sex : Female

Nationality : Thai

2. QUALIFICATION

1979 : B.Sc. Khon Kaen University, Khon Kaen, Thailand.

1982 : M.D. Khon Kaen University, Khon Kaen, Thailand.

1982-1983 : Internship at Khon Kaen Province Hospital, Khon Kaen, Thailand.

1984-1986 : Residency Training in Anesthesiology at Siriraj Hospital, Mahidol University, Bangkok, Thailand.

1986 : Diplomate Thai Board of Anesthesiology.

2003 : Diplomate Thai Board of Family Physicians.

2004 : Diplomate International College of Surgeons, Thailand section.

2007 : Master of Public Administration

2009 : Certificate in Liver Transplantation, Princess Alexandra Hospital, Brisbane, Queensland, Australia

3. EMPLOYMENT

1986-1988: Lecturer and Staff in Anesthesiology, Department of Anesthesiology, Faculty of Medicine, Khon Kaen University, Khon Kaen 40002, Thailand.

1988 : Assistant Professor of Anesthesiology, Khon Kaen University, Khon Kaen 40002, Thailand.

1999 : Associate Professor of Anesthesiology, Khon Kaen University, Khon Kaen 40002, Thailand.

4. MEMBERSHIP OF PROFESSIONAL ORGANIZATION

- 1. The Thai Medical Council**
- 2. The Royal College of Anesthesiologists of Thailand**
- 3. Thai Association for the Study of pain**
- 4. The College of Family Physicians of Thailand**
- 5. The Medical Association of Thailand**
- 6. The Thailand Section of the International College of Surgeons**

5. Major Field of Interest

- 1. Anesthesiology**
- 2. Emergency Medicine (Upper airway management)**
- 3. Evidence-based practice in anesthesia**
- 4. Obstetric anesthesia**

6. Position

- a. Deputy head of Department of Anesthesiology 2004-2007,2007-2009**
- b. Head of Department of Anesthesiology 2009-2013.**
- c. Associate Dean, Director of Queen Sirikit Heart Center of the Northeast, Faculty of Medicine, 2013-now.**

7. PUBLICATIONS

- 1. Chau-In W.** Preoperative evaluation and premedication for anesthesia. In: Thienthong S, Chau-In W, editors. Anesthesiology. 1st ed. Khon Kaen: Faculty of Medicine, 1988: 36-49.
- 2. Chau-In W.** Obstetric anesthesia. In: Thienthong S, Chau-In W, editors. Anesthesiology. 1st ed. Khon Kaen: Faculty of Medicine, 1988: 174-87.
- 3. Thienthong S, Chau-In W.** Post anesthetic complication. In: Thienthong S, Chau-In W, editors. Anesthesiology. 1st ed. Khon Kaen: Faculty of Medicine, 1988: 209-21.

4. **Chau-In W.** Opioids in anesthesia practice In: Chau-In W, Arayasajapong D, Thienthong S, editors. Anesthesiology. 3rd ed. Khon Kaen: Siripan, 1994: 85-94.
5. **Chau-In W.** Airway management. In : Chau-In W, Arayasajapong D, Thienthong S, editors. Anesthesiology. 3rd ed. Khon Kaen : Siripan, 1994 : 131-61.
6. Theerapongpakdee S, **Chau-In W.** Pain and pain management In : Chau-In W, Arayasajapong D, Thienthong S, editors. Anesthesiology. 3rd ed. Khon Kaen: Siripan, 1994; 345-59.
7. Theerapongpakdee S, **Chau-In W.**, editors. Obstetric anesthesia. 2nd ed. Bangkok: Reunkaew, 1999:11-30,103-6,107-14,149-62,203-18,219-30,269-82,297-308.
8. Sumret K, Sathitkarnmanee T, **Chau-In W.** Anesthesia for opened heart surgery. Khon Kaen: Khon Kaen printer, 1996.
9. **Chau-In W.** Difficult airway management. In: Chau-In W, Tribuddharat S, editors. Clinical Anesthesia. Khon Kaen: Klangnanawitaya, 2001; 155-86.
10. **Chau-In W.** Intraspinal opioid. In: Thienthong S, Krisanaprakornkit W, editors. Anesthesia technique: postoperative analgesia. Volume 2. Khon Kaen: Klangnanawitaya, 2001:77-89.
11. **Chau-In W,** Huaoharn H. Opioids in clinical use. In: Chau-In W, Theerapongpakdee S, editors. Anesthesiology. 5th ed. Khon Kaen: Klangnanawitaya, 2004: 27-46.
12. **Chau-In W.** Airway management. In: Chau-In W, Theerapongpakdee S, editors. Anesthesia. 5th ed. Khon Kaen: Klangnanawitaya, 2004:151-90.
13. **Chau-In W.** New trend Anesthesia for C/S. Srinagarind Med J 2005; 20 (2):105-16.
14. **Chau-In W.** Airway management of trauma victims. Srinagarind Med J 2006; 21 (1):59-76.
15. **Chau-In W.** Anesthesia for obstetric hemorrhage. Srinagarind Med J 2007; 22 (3):297-309.
16. **Chau-In W.** Anesthesia for postpartum hemorrhage. Srinagarind Med J 2008; 23(3):330-41.
17. Chau-In W. Management of massive bleeding with coagulopathy: perioperative view. **Srinagarind Med J** 2010; 25(suppl):78-83.
18. Chau-In W. How to avoid unnecessary blood transfusion? : Perioperative view. **Srinagarind Med J** 2010; 25(suppl):101-7.
19. **Chau-In W.** Airway management. ใน : พลพันธุ์ บุญมาก และคณะ, editors. วิสัญญีวิทยา สำหรับเวชปฏิบัติ. ขอนแก่น:คลังนานาวิทยา, 2555 : 99-118.
20. วราภรณ์ เชื้ออินทร์. Airway management in crisis situation. ใน:มาลินี วงศ์สวัสดิวัฒน์, บรรณาธิการ. วิกฤตก่อนโอกาสในงานวิสัญญี. ขอนแก่น:คลังนานาวิทยา, 2556 : 5-24.

21. วราภรณ์ เชื้ออินทร์. Crisis resource management for obstetric anesthesia. ใน:มาลินี วงศ์สวัสดิวัฒน์,บรรณาธิการ. วิกฤตก่อนโอกาสในงานวิสัญญี. ขอนแก่น:คลังนานาวิทยา, 2556 : 42-63.
22. Chau-In W. Obstetrics is a bloody business: Anesthesia view. **Srinagarind Med J** 2013; 28(suppl):.
23. วราภรณ์ เชื้ออินทร์. การใช้แนวทางการบริหารจัดการภาวะการให้เลือดและส่วนประกอบของเลือดปริมาณมาก(massive transfusion protocol: MTP) โรงพยาบาลศรีนครินทร์ คณะแพทยศาสตร์ มหาวิทยาลัยขอนแก่น. วิสัญญีสาร 2556;39(3):236-50.

8. RESEARCH

1. Tree-trakarn T, **Chau-In W**. Jet ventilation anesthesia for microlaryngeal surgery: 8 year experience in Siriraj hospital. The Thai J of Anesthesiology 1986; 13 (4): 153-6.
2. Thienthong S, **Chau-In W**. Respiratory effects of intravenous nalbuphine. Srinagarind Hosp Med J 1986; 3 (3) : 205-7.
3. Lertakyamane J, Kongsayreepong S, **Chau-In W**. Pain in Siriraj hospital: data from patients. Siriraj Hosp Gaz 1988; 40 (3): 143-53.
4. Lertakyamane J, Kongsayreepong S, **Chau-In W**. Pain in Siriraj hospital: data from doctors and nurses. Siriraj Hosp Gaz 1988; 40 (4): 205-9.
5. Theerapongpakdee S, **Chau-In W**, Sumret K. KKU coaxial circle circuit. Srinagarind Hosp Med J 1988; 3 (3): 157-63.
6. **Chau-In W**, Theerapongpakdee S. Arterial blood gas of circle circuit at fresh gas flow 3, 4, 5, 6 liters per minute. Thai J of Anesthesiology 1988; 15 (2): 48-51.
7. Prasertchuang C, **Chau-In W**, Bundit R, et al. Antiemetic effect of droperidol (dehydrobenzperidol) in postoperative laparoscopy. Thai J of Anesthesiology 1991; 17 (3): 138-41.
8. Prasertchuang C, Bundit R, **Chau-In W**, et al. The comparative study of neuromuscular blocking action between vecuronium and atracurium in Thai patients. Thai J of Anesthesiology 1991; 17 (4): 168-72.
9. Theerapongpakdee S, Sinkuakul C, Arayasajapong D, **Chau-In W**. KKU jet ventilator VS conventional anesthetic ventilator in Bain's breathing system. Thai J of Anesthesiology 1993; 19 (2): 57-60.

10. Sumret K, Sathitkarnmanee T, **Chau-In W**. The comparative study of three types of KKU coaxial circle circuit. *Srinagarind Med J* 1997; 12 (2): 88-95.
11. Theerapongpakdee S, **Chau-In W**, Tantanatevin W. Simple coaxial pediatric or Bain's circuit: construction and clinical use. *Thai J Anesthesiol* 1999; 25(2): 99-103.
12. **Chau-In W**, Tribuddharat S. Translaryngeal intubation technique. *Thai J Anesthesiol* 1999; 25(3): 151-57.
13. **Chau-In W**, Chairat L, Sumret K. Comparing the ability of anesthetic nurse trainees to intubate using the Combitube VS endotracheal tube. *Srinagarind Med J* 2000; 15:244-9.
14. Chairat L, **Chau-In W**, Sumret K, Taesiri W. A preliminary study comparing tracheal intubation by anesthetic nurse trainees using endotracheal tube and esophageal tracheal Combitube. *Thai J Anesthesiol* 2000; 26(2):101-6.
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16. Palachewa K, **Chau-In W**, Naewthong P, Uppan K, Kamhom R. Complication of spinal anesthesia at Srinagarind hospital. *Thai J Anesthesiol* 2001; 27(1): 13-20.
17. Jeeraruensak W, **Chau-In W**, Jariyawisuth S, Mooknumporn T, et al. Patient satisfaction of Anesthetic services at Srinagarind Hospital. *Thai J Anesthesiol* 2002; 28(4): 215-25.
18. Boonmak P, Boonmak S, **Chau-In W**, Mooknumporn T. The incidence of microbial contamination in anesthetic equipment at Srinagarind Hospital. *Thai J Anesthesiol* 2003; 29(1): 24-32.
19. **Chau-In W**, Peanmanakit J, Nonlhaopol D. Pain relief during propofol injection: 1.0 vs 1.5 mg/kg thiopentone pretreatment. *Thai J Anesthesiol* 2003; 29(2): 71-5.
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21. Thincheelong W, **Chau-In W**, Palachewa K, Thananan M. Leg wrapping for prevention of spinal-induced hypotension during lower body surgery in elderly patients at Srinagarind Hospital. *Thai J Anesthesiol* 2003; 29(4): 217-23.
22. Prakrankamanant D, **Chau-In W**, Changsam K, Srichaipunha S, Promkhote P, Kosuwon W. Incidence of infection from catheter tip after endotracheal tube suctioning using disposable vs. sterilized reusable gloves. *Srinagarind Med J* 2004; 19(4):220-5.

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25. **Chau-In W**, Sukmuan B, Ngamsangsirisapt K, Jirarareungsak W. Efficacy of pre- and postoperative oral dextromethorphan for reduction of intra- and 24-hour postoperative morphine consumption for transabdominal hysterectomy. *Pain Med* 2007 Jul-Aug; 8(5):462-7.
26. Bunchungmongkol N, Somboonviboon W, Suraseranivongse S, Vasinanukorn M, **Chau-In W**, Hintong T. Pediatric anesthesia adverse events: the Thai anesthesia incidents study (THAI study) database of 25098 cases. *J Med Assoc Thai* 2007; 90(10):2072-9.
27. Suraseranivongse S, Punjasawadwong Y, Somboonviboon W, Sriswasdi S, Pranootnarabhal T, Chanchayanon T, **Chau-In W**, Inarut N. Risk factors of intraoperative oxygen desaturation: A case-control study of 152314 anesthetics. *J Med Assoc Thai* 2007; 90(11):2359-65.
28. Rodanant O, Hintong T, **Chau-in W**, Tanudsintum S, Sirinanmd C, Kyokong O. The Thai anesthesia incidents study (THAI Study) of perioperative death in geriatric patients. *J Med Assoc Thai*. 2007 Jul; 90(7):1375-81.
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31. Suksompong S, Chatmongkolchat S, Hintong T, Klanarong S, **Chau-in W**, Virankabutra T. The Thai Anesthesia Incident Monitoring Study (Thai AIMS) of Desaturation: An Analysis of 1,996 Incident Reports. *J Med Assoc Thai* Sep 2008; 91: 1389-96.
32. Hintong T, Klanarong S, Suksompong S, **Chau-in W**, Chatmongkolchat S, Werawatganon T. The Thai Anesthesia Incident Monitoring Study (Thai AIMS) of oxygen desaturation in the post-anesthetic care unit. *J Med Assoc Thai* Oct 2008; 91: 1531-8.

33. Somrat Charuluxananan, Wanwimol Saengchote, Sireeluck Klanarong, Yodying Punjasawadwong, **Waraporn Chau-In**, Chanrit Lawthaweesawat, Thewarug Werawatganon. Quality and patient safety in anesthesia service: Thai survey. *Asian Biomedicine* 2010; 4(3):395-401.
34. **Waraporn Chau-in**, Thanoo Hintong, Oraluxna Rodanant, Varinee Lekprasert, Yodying Punjasawadwong, Somrat Charuluxananan , Surasak Tanudsintum. Anesthesia-related complications of caesarean delivery in Thailand: 16,697 cases from the Thai Anaesthesia Incidents Study. *J Med Assoc Thai* 2010; 93 (11): 1274-83.
35. **Waraporn Chau-in**, Rawiwan Ongon, Suchat Paholphak, Khanchana Uppun, Pikul Malasai. Effective Dosage of Succinylcholine in Controlling Motor Seizure in Patients Undergoing Modified Electroconvulsive Therapy at Srinagarind Hospital: A Randomized Controlled Trial. *J Psychiatr Assoc Thailand* 2010; 55(3): 279-286.
36. Kanchana Uppan, Winita Jeeraruensak, **Waraporn Chau-In**, Laksanawadee Chairatana, Parinda Promkhote. Anesthesia related to reintubation after planned extubation within 24 hours after general anesthesia in Srinagarind Hospital: incidence and risk factors. *Srinagarind Medical Journal* 2011; 26(4):325-32.
37. Duangnade Litu, Suthanee Simajareuk, **Waraporn Chau-In**, Pyaporn Boonsangcharoen, Dumnerm Vachirodom. Pre-operative routine cross-matching for breast surgery: An appropriate use of resources. *Srinagarind Medical Journal* 2012:27(4); 401-7.
38. **Waraporn Chau-In**, Sukree Soontrapa, Jintana Puapairoj, Chittima Sirijerachai, Dhaness Rangrikajee, Chaiyut Thanapaisal, et al. Study the Effectiveness of Massive Transfusion Protocol at Srinagarind Hospital, Faculty of Medicine, Khon Kaen University. *Srinagarind Med J* 2013; 28(3): 327-36.
39. **Waraporn Chau-In**, Panarat Ratanasuwan Yimyaem, Prathana Chernbamrung. Correlation of Laryngoscopic View between Awake and Anesthetized Looks in Patients with Suspected Difficult Intubation: A Preliminary Report. *Srinagarind Med J* 2014; 29 (2): 108-114.
40. Punjasawadwong Y, **Chau-in W**, Laopaiboon M, Punjasawadwong S. Processed electroencephalogram indices for amelioration of postoperative delirium and cognitive dysfunction following non-cardiac and non-neurosurgical procedures. *Cochrane Database of Systematic Reviews* 2014, Issue 8. Art. No.: CD011283. DOI: 10.1002/14651858.CD011283.

41. Kunya Panichakul, Kraiwad changsam , **Waraporn Chau-in**, Malinee Wongswadiwat, Sermsak Sumanont. Pre-operative routine cross-match for elective knee and hip surgery: An appropriate use of resources? Srinagarind Med J 2014; 29(5):423-8.
42. Thirada Jimarsa, Sasiwimol Pongjanyakul, Woranut Taesiri, Benchasin Gatekhlai, **Waraporn Chau-in**, Malinee Wongswadiwat. Developing a guideline for the prevention of postoperative nausea and vomiting after general anesthesia in Srinagarind hospital. Thai Journal of Anesthesiology 2014; 40(2):97-105.
43. Sunchai Theerapongpakdee, Piyaporn Bunsangcharoen, **Waraporn Chau-in**, Sarinya Chanthawong. The new Srinagarind endotracheal & esophageal detecting (SEED) device: how to make, test and use it in anesthesia practice. Thai Journal of Anesthesiology 2015; 41(1):41-7.
44. Sarinya Chanthawong, **Waraporn Chau-in**, Narin Plailaharn, Piyaporn Bunsangcharoen, Maneerat Thananan, Raruan Saenkhot. A prospective study of Tracheal intubation and immediate complications in emergency room in Srinagarind. Srinagarind Med J 2015; 30(3):256-61.
45. Sasiwimol Pongjanyakul, Thirada Jimarsa, Benchasin Gatekhlai, Woranut Taesiri, **Waraporn Chau-in**, Malinee Wongswadiwat. Effectiveness of clinical practice guideline for the prevention of postoperative nausea and vomiting (PONV) in Srinagarind hospital. Srinagarind Med J 2015; 30(3):250-5.
46. Sujettana Poomdawat, Montira Jitjuk, **Waraporn Chau-In**, Aumjit Wittayapairoj, Kriangkrai Wittayapairoj. Preoperative blood preparing for elective spine surgery: ratio of actual usage, expense and appropriate use of resources. Thai Journal of Anesthesiology 2015;41(3): 155-65.