

**CURRICULUM VITAE**

**Name:** Richard Alynn Henker, PhD, CRNA, FAAN, FAANA

**Education and Training****Undergraduate**

1981	University of Wisconsin-Madison Madison, Wisconsin 53706	BSN Nursing
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**Graduate**

1987	University of Arizona Tucson, Arizona 85721	MS Med-Surg Nursing
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1993	University of Washington Seattle, Washington 98195	PhD Nursing Science
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2002	University of Pittsburgh Pittsburgh, Pennsylvania 15261	MSN Nurse Anesthesia
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**Postgraduate**

1998	The Cincinnati Children's Hospital Medical Center's and University of Cincinnati's Genetics Program for Nursing Faculty. This two-week program was funded by the NIH, Human Genome Research Institute. I attended updates for this program in 1999, 2001, and 2003.	
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**Appointments and Positions****Academic**

2020-2023	School of Nursing Keio University Tokyo, Japan	Visiting Professor
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2018	School of Nursing International University of Health and Welfare Narita, Japan	Visiting Professor
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2014	School of Medicine Siriraj Hospital Mahidol University Bangkok, Thailand	Visiting Professor
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2014	Boromarajonani College of Nursing Nakon Phanom University Nakon Phanom, Thailand	Visiting Professor
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2011- 2014	School of Nursing University of Pittsburgh	International Education Coordinator
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2010 - 2011	Harbin Medical University Harbin, China	Visiting Professor
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2010-2012	Acute/Tertiary Care Dept. School of Nursing University of Pittsburgh Pittsburgh, Pennsylvania	Interim Chair
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2009-present	Department of Nurse Anesthesia School of Nursing University of Pittsburgh Pittsburgh, Pennsylvania	Professor
2002-2009	Acute/Tertiary Care Dept. School of Nursing University of Pittsburgh Pittsburgh, Pennsylvania	Associate Professor
2002-2010	Acute/Tertiary Care Dept. School of Nursing University of Pittsburgh Pittsburgh, Pennsylvania	Vice-Chair
1999	Acute/Tertiary Care Dept. School of Nursing University of Pittsburgh Pittsburgh, Pennsylvania	Acting Department Chair
1993-2002	Acute/Tertiary Care Dept. School of Nursing University of Pittsburgh Pittsburgh, Pennsylvania	Assistant Professor
1991-93	Center for Women's Health School of Nursing University of Washington Seattle, Washington	Research Assistant
1988-93	Physiological Nursing Dept. School of Nursing University of Washington Seattle, Washington	Teaching Assistant
1990	Peri-Menopausal Sleep Study School of Nursing University of Washington Seattle, Washington	Research Assistant
1988; 2015- to present	College of Nursing University of Arizona Tucson, Arizona	Adjunct Faculty
1985	Nursing Diagnosis Study College of Nursing University of Arizona Tucson, Arizona	Research Assistant
<b>Non-Academic</b>		
2015-present	Nurse Anesthesia Overseas Lao Friends Hospital for Children Luang Prabang Lao PDR Health Volunteers Overseas Washington D.C.	Program Director

2008-2015	Nurse Anesthesia Overseas Jigme Dorji Wangchuk National Referral Hospital Thimphu Bhutan Health Volunteers Overseas Washington D.C.	Program Director
2003-present	Department of Anesthesiology University of Pittsburgh Medical Center Pittsburgh, Pennsylvania	Nurse Anesthetist - Casual
1989-93	Critical Care University of Washington Medical Center Seattle, Washington	Per Diem Staff Nurse
1988-89	Critical Care University of Washington Medical Center Seattle, Washington	Staff Nurse
1988	Associated Nurse Specialists Inc. Tucson, Arizona	Critical Care Staff Nurse
1984-88	Critical Care & Emergency Department University Medical Center Tucson, Arizona	Clinical Nurse Educator
1981-84	General Surgery Trauma & Life Support Center University of Wisconsin Hospital Madison, Wisconsin	Staff Nurse

#### **Licensure and Certification**

Expires 3/2023	License Number 10734	Cambodian Council of Nurses
Date of Issue 2/6/2003	CRNA	
Expires 7/2022	ACLS	
Expires 7/2022	BLS	
Expires 7/2022	PALS	
Expires 31 October 2023	#RN328664L	RN License: Pennsylvania
Expires 01 April 2024	#RN053939	RN License: Arizona
Expires 01 April 2024	CRNA 1203	CRNA License : Arizona
CCRN certified 1985-1997	American Association of Critical Care Nurses	

#### **Membership in Professional and Scientific Societies**

2017-present	AANA representative for The Global Alliance for Surgical, Obstetric, Trauma and Anaesthesia Care - <i>The G4 Alliance</i>
2020	Planning Committee, G4/Smile Train Webinars for Nurses Lead   Midwives Lead – Seed Global Health
2019-2022	Chair, Planning Committee – Biannual Permanent Council Meetings
2020 -2023	Board of Directors G4 Alliance
2009-present	American Academy of Nursing
2022-2026	International Federation of Nurse Anesthetists, Practice Committee
2009	International Federation of Nurse Anesthetists, Bank of Experts: International Curriculum
2006-2018	International Society of Nurses in Genetics (ISONG)

2006-present	Council for the Advancement of Nursing Science
2008 & 10	Abstract Reviewer
2004- present	Health Volunteers Overseas
2017	HVO 30 <sup>th</sup> Anniversary Conference Program Committee
2015-present	Program Director Nurse Anesthesia Overseas – Lao PDR site
2015-2019	Technical Advisory Group – Bhutan Residency Training University of Medical Sciences of Bhutan
2015- 2023	Board of Directors HVO
2016- 2022	Secretary of Board of Directors HVO
2014	Strategic Planning Committee HVO
2013-2016	Program Director Nurse Anesthesia Overseas-Siem Reap
2013-2015	Program Consultant Nurse Anesthesia Overseas - Belize
2012-2015	Chair, Nurse Anesthesia Strategic Planning Committee
2008-2015	Program Director Nurse Anesthesia Overseas-Bhutan Site
2007-2016	Nurse Anesthesia Overseas Strategic Planning Committee
1999-present	American Association of Nurse Anesthetists
2019-present	AANA Journal Reviewer
2015-2016	COA International Issues Special Interest Group
2011-2012	AANA Foundation Scholarship Committee
2009-2012	AANA Foundation Nursing Research Committee
1999-present	Pennsylvania Association of Nurse Anesthetists
2019	Consultant, Analysis of Anesthesia Workforce in the State of Pennsylvania project
1995-2018	Eastern Nursing Research Society
1993-1996	Midwestern Nursing Research Society
1993	Abstract Reviewer
1990-92	Western Society for Research in Nursing
1990-92	Western Institute of Nursing
1987-1996	American Heart Association Scientific Council - Nursing
1987-92,94-2001	Emergency Nurses Association
1987-91	Trauma Nursing Core Course Instructor
1986-present	Sigma Theta Tau
1994-present	Member, Eta Chapter
2004-07	Grant Review Committee, Eta Chapter
2000-02	Vice-President, Eta Chapter
1995	Awards Committee, Eta Chapter
1989-94	Member, Psi Chapter
1986-88	Member, Beta Mu Chapter
1985-present	Society of Critical Care Medicine
2022-2024	Editorial Board, Critical Care Explorations
1999	Member, Clinical Research Grant Review Committee, Grant for Training in Critical Care Research
1999-2003	Member, Norma Shoemaker Nursing Research Award Grant Review Committee
1998-2002	Member, Research Committee
1997-2000, & 2007	Abstract Reviewer
1999-2001	Member, Nursing Section Research Committee
1997-1999	Chair, Nursing Section Research Committee
1984-present	American Association of Critical Care Nurses
1996-1997	AACN Board Advisory Team
1995	AACN Advisory Group - Online Service
1993-2002	Member, Three Rivers Chapter AACN
1988-93	Member, Puget Sound Chapter AACN

1989-93	Member, Education/Research Special Interest Group, Puget Sound Chapter
1984-88	Member, Southern Arizona Chapter AACN
1987-88	President, South Arizona Chapter
1986-87	President Elect, South Arizona Chapter
1985-86	Program Committee
1984-present	American Nurses Association
2021-2022	ANA Committee on Honorary Awards Subcommittee
2014-16	Co-Chair, Committee on Nursing Practice Standards and Guidelines
2009-17	Member, Committee on Nursing Practice Standards and Guidelines
1994-present	Pennsylvania State Nurses' Association
2010-11	Chair, PSNA Nursing Congress
2007-09	Chair, PSNA Cabinet on Practice and Professional Development
2007-09	Co-Chair, PSNA Nursing Congress
2005-07	Member, PSNA Cabinet on Practice and Professional Development
1988-93	Washington State Nurses' Association
1984-88	Arizona Nurses' Association
1985-87	Reporter for Pulse (Arizona Nurses' Association District #2 Newsletter)

### Honors

2021	Fellow of the American Association of Nurse Anesthesiology, AANA.
2020-23	Visiting Professor, Keio University, Tokyo Japan
2019	Nurse Influencer, Recognizing 100 nurses with ties to the University of Washington. University of Washington School of Nursing Centennial Celebration.
2018	Honoree, Nursing Foundation of Pennsylvania 1 <sup>st</sup> Annual Gala, Harrisburg Pennsylvania
2018	Visiting Professor, International University of Health and Welfare – Narita, Japan
2018	Luther Christman Award, American Nurses Association
2017	Cameos of Caring Award Winner, UPMC Advanced Practice Nurse
2017	Sheth Distinguished Faculty Award for International Achievement. University Center for International Studies. University of Pittsburgh
2016	Janice Drake Humanitarian Award AANA, Washington DC
2014	Visiting Professor, Mahidol University, Siriraj Hospital, Bangkok Thailand
2014	Visiting Professor, Nakon Phanom University, Nakon Phanom Thailand
2010	Visiting Professor, Harbin Medical University, Harbin China
2009	Fellow in the American Academy of Nursing
2009	Leadership in Nursing Award, Sigma Theta Tau International, Eta Chapter
2009	Golden Apple Award, Health Volunteers Overseas, Washington DC
2006	Chancellor's Distinguished Teaching Award, University of Pittsburgh
2005	Reception honoring Health Volunteers Overseas volunteers at the Cambodian Embassy in Washington DC.
2005	Distinguished Alumni Award, University of Pittsburgh School of Nursing Alumni Association
2004	Didactic Instructor of the Year, Pennsylvania Association of Nurse Anesthetists
2001	Nursing's Excellence in Planning and Teaching within the University's Network Environment (NEPTUNE) University of Pittsburgh School of Nursing
2000	Presidential Citation, Society of Critical Care Medicine
1998	Dean's Distinguished Teaching Award, University of Pittsburgh School of Nursing
1998	Nursing's Excellence in Planning and Teaching within the University's Network Environment (NEPTUNE) University of Pittsburgh School of Nursing
1995	Micromedex/ENA Foundation Best Emergency Nursing Research Award
1987	Excellence in Clinical Practice, Sigma Theta Tau, Beta Mu Chapter

### Publications

#### Refereed Articles (\*=data based articles)

1. Clochesy, J.M., **Henker, R.A.** (1986). Selecting computer applications in critical care. *DCCN*, 56(3), 171-177.
2. Whittaker, A., **Henker, R.A.** (1987). Critical care orientation examinations: A basis for employment? *DCCN*, 6(1), 47-52.
3. **Henker, R.A.**, Shaffer, L., Whittaker, A. (1987). Nursing care of the patient with an artificial heart. *Heart & Lung*, 16(4), 381-391.
4. **Henker, R.A.**, Murdaugh, C., Smith, R. (1988). Effects of nursing interventions on cardiac output in the patient with an artificial heart. *Journal of Cardiovascular Nursing*, 2(2), 56-67.
5. \***Henker, R.A.**, Murdaugh, C. (1988). Effects of pneumatic artificial heart driver on the rate of isovolumic pressure rise. *Artificial Organs*, 12(6), 513-519.
6. \***Henker, R.A.**, Hinshaw, A.S. (1990). The challenge of program evaluation. *Journal of Nursing Staff Development*, 6(1), 12-16.
7. **Henker, R.A.** (1991). Cardiac assist devices as a bridge to transplantation. *AACN Clinical Issues in Critical Care Nursing*, 2(3), 598-605.
8. **Henker, R.A.**, Shaver, J. (1994). Understanding the febrile state according to an individual adaptation framework. *AACN Clinical Issues in Critical Care Nursing*, 5(2), 186-193.
9. \***Henker, R.A.**, Coyne, C. (1995). Comparison of peripheral temperature measurements with core temperature. *AACN Clinical Issues in Critical Care Nursing*, 6(1), 21-30.
10. \***Henker, R.A.**, Bernardo, L., O'Connor, K., Sereika, S. (1995). Evaluation of four methods of warming intravenous fluids, *Journal of Emergency Nursing*, 21, 385-390.
11. \*Bernardo, L., Clemence, B., **Henker, R.**, Hogue, B., Schenkel, K., Walters, P. (1996). A comparison of aural and rectal temperature measurements in moderately and severely injured children. *Journal of Emergency Nursing*, 22(5), 403-8.
12. Bernardo, L.M., Briggs Miracle, T., Gardner, M.J., **Henker R.** (1997). Analgesic prescription and administration to adolescents admitted to an adult versus pediatric trauma center. *Journal of Trauma Nursing*, 4(1), 13-21.
13. \*Bernardo, L.M., **Henker, R.**, Bove, M., Sereika, S. (1997). The effect of administered crystalloid fluid temperature on aural temperature of moderately and severely injured children. *Journal of Emergency Nursing*, 23, 105-111.
14. **Henker, R.A.**, Kramer, D., Rogers, S. (1997). Fever. *AACN Clinical Issues in Critical Care Nursing*, 8(3), 351-367.
15. \***Henker, R.A.**, Brown, S.D., Marion, D.W. (1998). Comparison of brain temperature with bladder and rectal temperatures in adults with severe head injury. *Neurosurgery*, 42, 1071-1075.
16. \*Fugate Woods, N., Lentz, M.J., Mitchell, E.S., Heitkemper, M., Shaver, J., **Henker, R.** (1998). Perceived stress, Physiologic stress arousal, and premenstrual symptoms: Group differences and intra-individual patterns. *Research in Nursing & Health*, 21, 511-523.

17. **Henker, R.A.** (1999). Evidence based practice: fever related interventions. *American Journal of Critical Care*, 8, 481-487.
18. Bernardo, L.M., **Henker, R.** (1999). Thermoregulation in pediatric trauma: An overview. *International Journal of Trauma Nursing*, 5(3), 101-105.
19. \*Bernardo, L.M., **Henker, R.**, O'Connor, J. (1999). Temperature measurement in pediatric trauma patients: A comparison of thermometry and measurements routes. *Journal of Emergency Nursing*, 25(4), 27-329.
20. **Henker, R.A.** (2000). Use of blood cultures in the critically ill. *Critical Care Nurse*, 20(1), 45-50
21. Bernardo, L.M., **Henker, R.**, O'Connor, J. (2000). Evidence based practice: Treatment of hypothermia during pediatric trauma resuscitation. *American Journal of Critical Care*, 9(4),227-236.
22. \*Kerr, M.E., Marion, D., Sereika, S.M., Weber, B.B., Orndoff, P.A., **Henker, R.**, Wilberger, J. (2000). The effect of cerebrospinal fluid drainage on cerebral perfusion in traumatic brain injured adults. *Journal of Neurosurgical Anesthesiology*, 12(4), 324-333.
23. \***Henker, R.**, Rogers, S., Kramer, D., Kelso, L. Kerr, M., Sereika, S. (2001). A comparison of fever treatments in the critically ill: A pilot study. *American Journal of Critical Care*, 10(4), 276-280.
24. Tasota, F.J., **Henker, R.A.**, Hoffman, L.A. (2002). Anthrax as a biological weapon: An old disease that poses a new threat. *Critical Care Nurse*, 22(5), 21-34.
25. \*Carno, M.A., Hoffman, L.A., **Henker, R.**, Carcillo, J., Sanders, M.H. (2004) Sleep monitoring in children during neuromuscular blockade in the pediatric intensive care unit: A pilot study. *Pediatric Critical Care Medicine*, 5(3), 224-229.
26. \*Lentz, M.J., Woods, N.F., Heitkemper, M., Mitchell, E., **Henker, R.**, Shaver, J. (2007). Ovarian steroids and premenstrual symptoms: A comparison of group difference and intra-individual patterns. *Research in Nursing and Health*, 30, 238-249.
27. **Henker, R.**, Carlson, K. (2007) Applying research to bedside practice: Focus on fever. *AACN Advanced Critical Care*, 18(1), 76-87.
28. Soliday, F., Conley, Y., **Henker, R.** (2010) Pseudocholinesterase deficiency: A review. *AANA Journal*, 78(4), 313-320.
29. \* O'Donnell, J.M., Goode, J.S. Jr, **Henker, R.**, Kelsey, S., Bircher, N.G., Peele, P, Bradle, J., Close, J., Engberg, R., Sutton-Tyrrell, K. (2011). Effect of a Simulation Educational Intervention on Knowledge, Attitude, and Patient Transfer Skills: From the Simulation Laboratory to the Clinical Setting. *Simulation in Healthcare*. 6(2):84-93.
30. O'Donnell JM, Goode JS, **Henker RA**, Kelsey S., Peele P., Bircher N, Bradle JA, Engberg R, Close JM, Tyrrell-Sutton K. (2011) An Ergonomic Protocol For Patient Transfer That Can Be Successfully Taught Using Simulation Methods. *Clinical Simulation in Nursing* e1-e12.
31. \*Bragg, K., Schlenk, E., Ren, D., Wolfe, G., Houlihan, **Henker, R.** (2012) Health Care Provider Perceptions of Barriers to the Surgical/Procedural Time Out Process, *Nursing Management*. 43(3): 38-44.

32. \***Henker R.**, Lewis A., Dai F., Lariviere W.R., Meng L., Gruen G., Sereika S., Pape H., Tarkin I., Gowda I., Conley Y. (2012) The association between OPRM1 and COMT genotypes and postoperative pain, opioid use, and opioid-induced sedation. *Biological Research in Nursing(online)*
33. \*Wesmler, S.W., **Henker, R.A.**, Sereika, S.M., Donovan, H.S., Meng, L., Gruen, G.S., Tarkin, I.S., Conley, Y.P. (2012) The association of CYP2D6 genotype and postoperative nausea and vomiting in orthopedic trauma patients. *Biological Research in Nursing(online)*
34. \*Bragg, K., Schlenk, E., Ren, D., Wolfe, G., Houlihan, **Henker, R.** (2012) Time out! Surveying surgical barriers. *OR Nurse 2012*. 6(5), p32-38.
35. Wangmo, K.P, Teng, M., **Henker, R.**, Kinnear, S., Wang, N.E., Tshering, J. (2014) Survival of a patient with tetanus in Bhutan using a magnesium infusion managed only by clinical signs. *Wilderness & Environmental Medicine* (25), 194-197.
36. \*Morrison, S., O'Donnell, J., Ren, D., **Henker, R.** (2014). Perioperative glucose monitoring and treatment of patients undergoing vascular surgery in a community hospital setting. *AANA Journal*, 82(6), 427-430.
37. \*Palmer, L., O'Donnell, J., Ren, D., **Henker, R.** (2014). Comparison of Nurse Anesthesia Student 12 Lead EKG Knowledge, Interpretation Skill and Attitude: Traditional Instruction vs. Asynchronous Online Video Lecture. *Journal of Online Learning and Teaching*
38. **Henker, R.**, Prak, M., Koy, V. (2015). The development and implementation of corner stone documents supporting nursing practice in Cambodia. *OJIN: The Online Journal of Issues in Nursing*.
39. Hsieh, H.Y., **Henker, R.**, Ren, D., Chien, W.Y., Chang, J.P., Chen, L., Tuite, P.K. (2016). Improving effectiveness and satisfaction of an electronic charting system in Taiwan., *Clinical Nurse Specialist*, 30(6), E1-E6.
40. \*Khalil, H, Sereika, S., Conley, Y., Alexander, S., Dai, F., Gruen, G., Tarkin, I., Siska, P., Meng, L., **Henker, R.** (2017). *OPRM1* and *COMT* Gene–Gene Interaction is Associated with Postoperative Pain and Opioid Consumption after Orthopedic Trauma Surgery. *Biological Research in Nursing*, 19 (2), 170-179. doi: 10.1177/1099800416680474. Epub 2016 Nov 30. PubMed PMID: 27903758; PubMed Central PMCID: PMC5942486.
41. Hammond, K.A., Brown, S.T., Bernardo, L.M., Palmer, L., **Henker, R.** (2017). Development, implementation, and evaluation of a nurse anesthesia program in Belize. *AANA Journal*, 85(2), 123-129.
42. Haider A, Scott JW, Gause CD, Meheš M, Hsiung G, Prelvukaj A, Yanocha D, Baumann LM, Ahmed F, Ahmed N, Anderson S, Angate H, Arfaa L, Asbun H, Ashengo T, Asuman K, Ayala R, Bickler S, Billingsley S, Bird P, Botman M, Butler M, Buyske J, Capozzi A, Casey K, Clayton C, Cobey J, Cotton M, Decklebaum D, Derbew M, deVries C, Dillner J, Downham M, Draisin N, Echinard D, Elneil S, ElSayed A, Estelle A, Finley A, Frenkel E, Frykman PK, Gheorghe F, Gore-Booth J, **Henker R.**, Henry J, Henry O, Hoemeke L, Hoffman D, Ibangi I, Jackson EV Jr, Jani P, Johnson W, Jones A, Kassem Z, Kitembo A, Kocan A, Krishnaswami S, Lane R, Latif A, Levy B, Linos D, Linz P, Listwa LA, Magee D, Makasa E, Marin ML, Martin C, McQueen K, Morgan J, Moser R, Neighbor R, Novick WM, Ogendo S, Omigbodun A, Onajin-Obembe B, Parsan N, Philip BK, Price R, Rasheed S, Ratel M, Reynolds C, Roser SM, Rowles J, Samad L, Sampson J, Sanghvi H, Sellers ML, Sigalet D, Steffes BC, Stieber E, Swaroop M, Tarpley J,



Varghese A, Varughese J, Wagner R, Warf B, Wetzig N, Williamson S, Wood J, Zeidan A, Zirkle L, Allen B, Abdullah F. doi: 10.1007/s00268-017-4028-1. PMID:28508237

43. \***Henker RA**, Henker H, Eng H, O'Donnell J and Jirativanont T (2017). Crisis Team Management in a Scarce Resource Setting: Angkor Hospital for Children in Siem Reap, Cambodia. *Front. Public Health* 5:154. doi: 10.3389/fpubh.2017.00154
44. Li, D, **Henker, RA**, Zhang, F (2019). Perianesthesia Measurement during Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy Procedure: a Case Report and Review of Literature. *J Perianesth Nurs*. Feb;34(1):198-205. doi: 10.1016/j.jopan.2017.09.013. Epub 2018 Apr 22. PubMed PMID: 29685726.
45. \*Paik, G, Henker, H, Sereika, S, Alexander, S, Piotrowski, KA, Appel, N, Meng, L, Bircher, N, **Henker, R**, (2019). Accuracy of Temporal Artery Thermometry as an Indicator of Core Body Temperature in Patients Receiving General Anesthesia. *Journal of PeriAnesthesia Nursing*. Apr;34(2):330-337. doi: 10.1016/j.jopan.2018.05.001. Epub 2018 Jul 19. PubMed PMID: 30033001.
46. \*Murata, H, Ono, Y, Masamitsu, S, Saito, K, Yamaguchi, Y, Takinami, M, Richards, K, **Henker, R**, (2019) Reliability and Validity of the Japanese Version of the Richards-Campbell Sleep Questionnaire. *Nursing Open*;1-7. DOI: 10.1002/nop2.252
47. \*Sadhasivam, S, Bandom, B, **Henker, RA**, McAuliffe, JJ (2019). Bayesian modeling to predict malignant hyperthermia susceptibility and pathogenicity of *RYR1*, *CACNA1S*, AND *STAC3* variants. *Pharmacogenomics*, 20(14), 989–1003.
48. \*Deslate, S., Chasens, E., Yamanishi, C., **Henker, R**. (2021) STOP-BANG as a pre-procedure risk assessment tool to predict intra-procedure airway maneuvers and adverse events in a gastrointestinal laboratory. *AANA Journal*, 89(1), 45-52.
49. \*Khalil, H., Shajrawi, A., Dweik, G., Zaghmouri, A., **Henker, R**. (2020). The Impact of Preoperative Pain-related Psychological Factors on Pain Intensity Post-surgery in Jordan" *Journal of Health Psychology*, 1-10. DOI: 10.1177/1359105310937067.
50. Takahiro, T., Sakai, T., **Henker, R**., O'Donnell, JM. (2021). Certified Registered Nurse Anesthetist and Anesthesiologist Assistant Education Programs in the United States. *Nagoya J. Med. Sci.* **83**. 609–626. doi:10.18999/nagjms.83.3.609
51. \* Piatrowski, K., Desilva, C., Dominik, M., **Henker, R**., Kinsey, L., Dunn, J. (2021). Perspectives of parents/legal guardians of children with Down syndrome requiring anesthesia: Concerns and sources of information. *AANA Journal*, 89(6), 501-508.
52. \* Khalil H, Shajrawi A, **Henker R**. Predictors of severe postoperative pain after orthopedic surgery in the immediate postoperative period. *Int J Orthop Trauma Nurs*. 2021 Apr 27; 43:100864. doi: 10.1016/j.ijotn.2021.100864. Epub ahead of print. PMID: 34352663.
53. \*Jones, J., Varga, J., Chasens, E.R., McGrath, K., Deslate, S. **Henker, R**. (2022). Decreasing the Incidence of Hypoxia and Airway Maneuvers during GI Procedures Assisted with Propofol Sedation Using High Flow Nasal Cannula. *Gastroenterology Nursing*. Epub ahead of print.

54. Smith, A., Miner, L., Brandom, B., **Henker, R.** (in press). Donating Dantrolene: Development and Implementation of a Malignant Hyperthermia Program in a Scarce Resource Setting. *AANA Journal*.
55. \* Young, E.E., Nair, H.K., Parsh, G.D., Spence, J.S., Baumbauer, K.M., Smith, S., Chesler, E.J., Rakel, B.A., **Henker, R.**, Campbell, C.M., Chelly, J.E., Kehlet, H., Bittner, R., Kuo, C., Lavriviere, W., R. (submitted). Genetic determinants of inflammatory hypersensitivity: Identification of novel inflammatory pain genes using systems genetics and clinical translation. *Pain*.

### Published Abstracts

1. **Henker, R.**, Savage, M., Brengelmann, G. (1993). Comparison of esophageal and tympanic membrane temperature during cooling. *Communicating Nursing Research*, 26(1), 270.
2. **Henker, R.**, Savage, M., Shaver, J., Brengelmann, G. (1993). Comparison of two patterns of body cooling. *Communicating Nursing Research*, 26(1), 211.
3. Coyne, C., Nelson, C., **Henker, R.** (1993). Clinical temperature measurement: A comparison of sites and devices. *Communicating Nursing Research*, 26(1), 268.
4. Lentz, M., **Henker, R.**, Woods, N., Mitchell, E. (1993). Gonadal hormones and symptom experience. *Communicating Nursing Research*, 26(1), 234.
5. **Henker, R.**, Kerr, M., Clochesy, J. (1994). Use of clinical measurements in critical care research. *American Journal of Critical Care*, 3(3), 248.
6. **Henker, R.**, O'Connor, K., Bernardo, L., Sereika, S. (1995). Evaluation of three methods of warming intravenous fluids. *American Journal of Critical Care*, 4(3), 251.
7. Bernardo, L., **Henker, R.**, O'Connor, K., Sereika, S. (1995). Evaluation of four methods of warming intravenous fluids. *Journal of Emergency Nursing*, 21(5), 379-380.
8. **Henker, R.**, Gardner, M.J., Clochesy, J.M., Bernardo, L. (1996). Analysis of pediatric trauma using the Pennsylvania trauma outcome study: 1990-1994. *Journal of Emergency Nursing*, 22(5), 381.
9. Bernardo, L., **Henker, R.**, Bove, M., Sereika, S. (1996). Evaluation of warm and room temperature intravenous fluids on aural temperature in injured children. *Journal of Emergency Nursing*, 22(5), 379-380.
10. Clemence, B., Hogue, B., Schenkel, K., Walters, P. Bernardo, L.M., **Henker, R.** (1996). A comparison of aural and rectal temperature measurements in moderately and severely injured children. *Journal of Emergency Nursing*, 22(5), 381-2.
11. **Henker, R.**, Brown, S.D., Marion, D. (1997). Comparison of brain temperature with core (rectal and bladder) temperatures in head injured adults. *Critical Care Medicine*, 25(1), A73.
12. **Henker R.**, Rogers, S., Kelso, L., Thomas, E., Kramer, D., Kerr, M. (1997). Core temperature and cardiovascular responses to antipyretics in febrile critically ill adults. *Critical Care Medicine*, 25(1), A 3.
13. Bernardo, L., Smarto, S. **Henker, R.** (1997). Validation of a patient acuity system for a pediatric emergency department. *Journal of Emergency Nursing*, 23(2), 100.

14. Sereika, S., Kerr, M.E., Orndoff, P. A. Webber, B.B., **Henker, R.A.**, Marion, D., Meno, F. (1998). The effect of cerebrospinal fluid drainage on intracranial pressure in severe head injured adults. *Critical Care Medicine*, 26(1), A33.
15. Baker, A., Inverso, C., **Henker, R.**, Kramer, D., Sereika, S. (1999). Temperature and heart rate responses to treatment versus non-treatment of fever in the critically ill. *Critical Care Medicine*, 27(1), A115.
16. S. D. Brown, **R. Henker**, D. Marion, S. Sereika. (1999). Recovery of severely head injured patients one year after injury. *Critical Care Medicine*, 27(1), A79.
17. Carno, M., Hoffman, L., **Henker, R.**, Sanders, MH., Carcillo, J. (2003). Sleep in children undergoing therapeutic paralysis. *Pediatric Critical Care Medicine*, 4: A73.
18. O'Donnell, J., **Henker, R.**, Dixon, B., Burns, H., White, D., Sell, S. (2006). Curricular integration of human simulation education across programs: SEGUE at the University of Pittsburgh School of Nursing. *Simulation in Health Care*, 110.
19. Sell S, Dixon B, Palmer L, O'Donnell JM, **Henker R.** (2006). Quality improvement monitoring and evaluation of a course enhancement simulation module. *AANA Journal*. 74, 5, 2006; 389.
20. Sell, S., Starkey, J., Dixon, B., Palmer, L., O'Donnell, J.M., **Henker, R.** (2006). Evaluation of a problem based simulation module on graduate student learning and attitudes toward human simulation. *AANA Journal*. 74(6), 460.
21. Sell, S., Dixon, B., **Henker, R.**, Palmer, L., O'Donnell, J. (2007). Integration of simulation throughout a nurse anesthesia program curriculum. *AANA Journal*. 74(6), 461.
22. Linney, J., Oh., C., **Henker, R.**, Gruen, G., Conley, Y., Meng, L. Brown, A., Sereika, S., Tarkin, I., Pape, H. (2007). Postoperative pain by fracture type in patients with orthopedic trauma. *AANA Journal*. 75(5), 359.
23. **Henker, R.**, Conley, Y., Meng, L., Gruen, G., Brown, A., Sereika, S., Praesel, K., Tarkin, I., Pape, H. (2007). The Association between opioid  $\mu$  receptor genotypes and postoperative pain responses in orthopedic trauma patients: A pilot study. *AANA Journal*. 75(5), 368-369.
24. Musselman, M., Henderson, A.M., O'Donnell, J.M., Goode, J.S., Murray, S., **Henker, R.A.** (2008). The use of a measurement tool for evaluating behaviors of student registered nurse anesthetists in simulation education. *AANA Journal* 76(5), 385.
25. **Henker, R.**, Gowda, I., Lariviere, W., Dai, F., Brown, A., Sereika, S., Meng, L., Gruen, G., Pape, H., Tarkin, I., Conley, Y. (2009). The Association Between Opioid Induced Sedation and Genotypes for Opioid  $\mu$  Receptors & Catechol-O-Methyl Transferase in Postoperative Orthopedic Trauma Patients. *AANA Journal* 77(5), 385-386.
26. Wesmiller, S., **Henker, R.**, Sereika, S., Ming, L., Donovan, H., Conley, Y. (2012). The genetics of postoperative nausea and vomiting. *Journal of Perianesthesia Nursing*. 27(3), e 40.

#### Reviews, Invited Published Papers, Proceedings, Monographs Other Publications

1. **Henker, R.A.** (1990). Computer software reviews: Human response to critical illness. 1988, AACN, Medi-Sim Inc., Edwardsville, Kansas, 5 diskettes in 5 units. *DCCN*, 9(1), 62.
2. **Henker R.A.** (2000). Ask the expert. *Critical Care Nurse*, 20(5),96-7.

3. **Henker R.** (2006). Linking lectures to experiences. *University of Pittsburgh Teaching Times*, 12(2), 4,14.
4. **Henker, R. (in press).** How does genomic affect your anesthetics? CRNA Knowledge Network, American Association of Nurse Anesthetists.

### **Book Chapters and Books**

1. **Henker, R.A.,** Brown, S.D. (1988). Cardiovascular Assist Devices. In J. Clochesy (Ed.) *Advanced Technology in Critical Care Nursing*. Rockville, Maryland: Aspen.
2. **Henker, R.A.** (1993). Fever in the critically ill. *Critical Care Nursing Currents*, 11(2), 5-8.
3. **Henker, R.A.** (1996). Alterations in thermoregulation. In J. Clochesy, C. Breu, S. Cardin, E. Rudy, A. Whittaker (Eds.) *Critical Care Nursing*, Philadelphia: Saunders.
4. **Henker R.A.** (2000). Body temperature. In H. Harkreader (Ed.) *Fundamentals of Nursing: Developing Your Practice*. Philadelphia: Saunders.
5. **Henker RA.** (2004). Symptom Management: Fever. In M. Chulay (Exec ed.), K.K. Carlson K.K., (Series Ed.) *Protocols for Practice: Symptom Management in Acute and Critical Care*. AACN Critical Care. Aliso Viejo, Ca: American Association of Critical-Care Nurses.
6. **Henker, R.** (2008). Thermoregulation. In K. Carlson (Ed.) *Critical Care Nursing*. Saunders Elsevier, St. Louis.
7. **Henker, R.,** Dunwoody, C. (2010) Opioid Agonists, Antagonists, Agonist-Antagonists In J. Joyce, R. Ouellette (Eds.) *Pharmacology for Nurse Anesthesiology*. Jones & Bartlett.

### **Other Publications**

1. **Henker, R.** (1987). Pneumatic artificial heart driver effects on the rate of pressure change  $\{(+)dP/dt \max\}$ . Thesis. University of Arizona.
2. **Henker, R.** (1993). Human responses to an alternating and continuous pattern of total body cooling. Dissertation. University of Washington

### **Research**

#### **Principal Investigator**

Arizona Affiliate of the American Heart Association  
Effects of the Artificial Heart on Thrombus Formation  
1986  
Award: \$1,500.

#### **Principal Investigator**

Puget Sound Chapter of AACN, Seattle Washington  
Human Responses to an Alternating vs. Continuous Pattern of Total Body Cooling.  
10/1992- 10/1993  
Award: \$450.

**Principal Investigator**

Internal Funding, School of Nursing, University of Washington.  
 Hester McLaws Scholarship Fund,  
 Human Responses to an Alternating vs. Continuous Pattern of Total Body Cooling.  
 10/1992- 10/1993  
 Award: \$4500

**Principal Investigator**

Internal Funding, University of Pittsburgh Central Research Development Fund  
 Core Temperature and Cardiovascular Responses in Critically Ill Liver Transplant Patients to Antipyretics  
 and Physical Cooling.  
 7/1994-6/1996 20%  
 Award: \$14,000.

**Principal Investigator**

Internal Funding, University of Pittsburgh, School of Nursing, Faculty Development Fund.  
 Treatment of Fever in the Acutely Ill  
 1/1996 -6/1996 20%  
 Award: \$2, 100.

**Principal Investigator**

Internal Funding, University of Pittsburgh, School of Nursing  
 Ruth Perkins Kuehn Research Award  
 Comparison of Brain and Core Temperatures in Head Injured Patients.  
 10/1997 – 9/1998  
 Award: \$5,000

**Principal Investigator**

Internal Funding, University of Pittsburgh  
 Provost's Research Instrumentation Program.  
 Expansion of Interdepartmental Biobehavioral Research Laboratories in the School of Nursing.  
 4/1998  
 Award: \$22, 397.

**Principal Investigator**

NINR P30 NR03924-07S1  
 Experiential and Behavioral Components of Fever in Persons with HIV.  
 1/1999-1/2001 10%  
 Award: \$1, 480.

**Principal Investigator**

American Association of Nurse Anesthetists Foundation  
 The association between mu-receptor genotypes and postoperative pain response.  
 8/2005-8/2009 20%  
 Award: \$ 24,998.

**Co-Principal Investigator**

NIH, NCRR 1 UL1 RR024153  
 Special Grant from the Office of the Senior Vice Chancellor for the Health Sciences, University of  
 Pittsburgh  
 W. Lariviere (Co-PI) University of Pittsburgh  
 Genetic and Other Risk Factors of Opioid-Induced Sedation and Respiratory Depression: Mice to  
 Humans and Back Again  
 1/2009-12/2009

Award: \$25,000

**Principal Investigator**

Cincinnati Children's Hospital Medical Center

Donation of blood for genetic testing and clinical data from the North American Malignant Hyperthermia Registry.

8/1/2016 to 6/1/2017 10%

**Co-Investigator**

M. Kerr (PI) University of Pittsburgh

NIH, NINR RO1 3451

Comparison of CSF Drainage Protocols in ICP Management.

7/1994 – 6/1998 5%

Award: \$831,656.

**Co-Investigator**

L. Bernardo (PI) University of Pittsburgh

American Nurses Association.

The Effect of Normothermic and Room Temperature Crystalloid Fluid Administration on Temperature Measurements in Moderately and Severely Injured Children

10/1994 – 12/1995 10%

Award: \$2,700.

**Co-Investigator**

L. Dorn (PI) University of Pittsburgh

University of Pittsburgh, Provost's Research Instrumentation Program.

Development of an Interdepartmental Core Basic and Biobehavioral Science Research Laboratory.

4/1996

Award: \$23,521.

**Co-Investigator**

M. Kerr (PI) University of Pittsburgh

NINR RO1 04801

The effect of APOE on Outcomes in TBI Adults.

8/1999 5%

Award: \$1,682,612

**Co-Investigator**

S. Wesmiller (PI) University of Pittsburgh

Oncology Nursing Society Foundation

Variability of Serotonin Pathway Genes and Post Operative Nausea and Vomiting in Women with Breast Cancer

2011

Award: \$10,000

**International Consultant**

**PI: Virya Koy, Chief Bureau Nursing and Midwifery Ministry of Health Cambodia**

Title: Survey of knowledge needs on infection control, training opportunity, and work environment of professional nurses and midwives in 4 provinces and National Hospitals. Funded by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Eschborn, Germany.

January to May 2018

Award: \$15,000

**International Consultant****PI: Virya Koy, Deputy Chief Hospital Services Ministry of Health Cambodia**

Title: Evaluation of health workers hand hygiene abilities and sharp injuries. Funded by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Eschborn, Germany.

June to December 2020

Award: \$4000

**International Consultants Bircher & Henker****PI: Virya Koy, Deputy Chief Hospital Services, Ministry of Health Cambodia,**

Title: Developing a National Strategic Plan for Infection Prevention and Control in Healthcare Facilities, 2021-2026. Funded by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Eschborn, Germany.

August to December 2021

Award: \$22,000

**Other Scholarly Activities****Educational or Training Grants**

HRSA, Division of Nursing D23 NU01188-05,

Advanced Nurse Training: Acute Care Nurse Practitioner

7/1995 – 6/2001 20%

Award: \$918,488.

Executive Committee for Academic Computing, University of Pittsburgh

Using Videoconferencing to Enhance Student-Faculty Communication During Clinical Practice.

9/1999

Award: \$23,000.

Lucy Kelly Faculty Leadership Award

University of Pittsburgh School of Nursing.

2012 to 2015

Award: \$22,000

Hewlett International Grant. University of Pittsburgh

Development and Implementation of Standards of Practice for Nursing in Cambodia

December 2017

Award: \$1100

Faculty Mentor

Project Title: Technology Research in Chronic and Critical Illness

NIH Grant Number: 5T32NR008857-14

Project/Grant Period: 07/01/18 – 6/30/2021

PI (DeVito Dabbs)

Consultant (Co-advisor)

Project Title: Use of Predictive Analytics to Quantify Neonatal Hypothermia Burden After Cardiac Surgery.

NIH Training Grant Number: F31

Student (Stephanie Helman) Sponsor (Sala Al-Zaiti)

**Site Visitor**

2015

Luang Prabang, Lao PDR, Nurse Anesthesia Overseas program for Health Volunteers Overseas, Washington DC

2013	Belize City, Belize, Nurse Anesthesia Overseas program for Health Volunteers Overseas, Washington DC
2007	Thimphu, Bhutan, Nurse Anesthesia Overseas program for Health Volunteers Overseas, Washington DC
2005-present	Reviewer for Commission on Collegiate Nursing Education
	Duke (2009) Academic Member
	Texas Christian University (2010) Academic Member
	Case Western Reserve University (2011) Academic Member
	SUNY - Stony Brook (2012) Academic Member
	University of North Carolina (2014) Academic Member
	University of Miami (2015) Academic Member
	Western Carolina University (2016) Practice Member
	Southern Illinois University- Edwardsville (2018) Academic Member
	Uniformed Services University Bethesda (2018) Academic Member
	DePaul University (2019) Academic Member
	Samuel Merritt (2020) Practice Member
	UT Health – Houston (2021) Practice Member

### Grant Reviewer

2009-2011	AANA Foundation, Chicago Illinois
1997	Tri-service Nursing Research Program. Uniformed Services University of the Health Sciences. Bethesda, Maryland

### Manuscript Reviewer

2020	Journal of Perianesthesia Nursing
2019-present	American Association of Nurses Association Journal
2017	Western Journal of Nursing Research
2006-2007	Progress in Cardiovascular Nursing
2004	Japanese Journal of Nursing
1998-2015	American Journal of Critical Care
1996-2019	Critical Care Nurse
1998-2001	Contributing Editor – Infection Control, Critical Care Nurse
1995	Journal of Emergency Nursing
1991-2016	Heart & Lung
1996-97	AACN Clinical Issues

### Editorial Board

2021-2024	SCCM Critical Care Explorations
1991-1996	AACN Clinical Issues

### Consultation

2021	FHI 360 Consultant Pre-service Curriculum for Nursing Schools in Cambodia
2018	Survey of knowledge needs on infection control, training opportunity, and work environment of professional nurses and midwives in 4 provinces. Cambodia Ministry of Health Funded by a grant from Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)
2014	Development of Scope of Practice and Standards of Care for Cambodian Nurses Ministry of Health in Cambodia Funded by a grant from the World Health Organization.
2012	Simulation Teaching Methods, Kitasato University, Tokyo Japan
2000	Distance Education, Acute Care Nurse Practitioner Program, University of



- Washington, School of Nursing, Seattle Washington.
- 1995 Review of Grant Resource Guide for the National Association of Orthopedic Nurses, Editor Dennis Ross, RN, MAE, PhD.
- 1989 Research Utilization. Nursing Research Committee, Fred Hutchinson Cancer Research, Seattle, Washington.

### **Fellowships**

- 2018 Research Fellow, Japan Society for the Promotion of Science. Sponsor: Hiroaki Murata, International University for Health and Welfare, Narita Japan.
- 1989-1993 Psycho-Physiologic Interface Grant, Institutional National Research Service Award, National Institute of Nursing Research, NIH

### **Unpublished Presentations**

#### **International**

1. Bernardo, L., **Henker, R.**, Bove, M., Sereika, S. (1997). Evaluation of warm and room temperature intravenous fluids on aural temperature in injured children. Paper presented at the Ninth International Nursing Research Congress, Sigma Theta Tau International, Vancouver, British Columbia.
2. Brown, A., **Henker, R.** Conley, Y., Meng, L., Gruen, G., Sereika, S., Praesel, K., Tarkin, I., Pape, H. (2007). Methods used to evaluate mu receptor opioid polymorphisms on postoperative pain in orthopedic trauma patients. Paper presented at the 20<sup>th</sup> Annual ISONG Conference, Bristol, England United Kingdom.
3. Wesmiller, S.W., **Henker, R.**, Sereika, S., Meng, L., Gruen, G., Tarkin, I., Pape, H., Conley, Y. (2009) The Association between m-Opioid Receptor Genotypes and PONV in Orthopedic Trauma Patients. Poster presented at the 22nd Annual ISONG Conference, San Diego.
4. **Henker, R.**, O'Donnell, J., (2010). Incorporating Simulation into a Nursing Curriculum. School of Nursing, Harbin Medical University, Harbin China.
5. **Henker, R.** (2010). How Students Learn Directs How We Should Teach: Incorporating Evidence Based Practice into a Master's Degree Curriculum. School of Nursing, Harbin Medical University, Harbin China.
6. **Henker, R.** (2011) Genetics and Postoperative Symptom Management. School of Nursing, Harbin Medical University, Harbin China.
7. **Henker, R.** (2011) Doctoral Education in Nursing. 10<sup>th</sup> Anniversary Celebration. School of Nursing, Harbin Medical University, Harbin China.
8. **Henker, R.** (2011) Transforming Health Care Education in an Interdependent World, World Medical Tourism & Global Healthcare Congress, Chicago Illinois.
9. Wesmiller, S., Sereika, S., **Henker, R.**, Donovan, H., Meng, L., & Conley, Y. (2011). The Association of CYP2D6 and Post Operative Nausea and Vomiting in Postoperative Trauma Patients. Oral Presentation at the 2011 annual meeting of the International Society for Nurses in Genetics, Montreal, Canada.
10. **Henker, R.** (2011). Transforming Nursing Education in an Interdependent World. Boromarjonnani College of Nursing, Nakon Phanom, Thailand.

11. **Henker, R.** (2012). Problem Based Simulation. ELITE Session at WISER Nursing Symposium. Pittsburgh PA
12. **Henker, R.** (2012). Innovative methods to improve new nurses for the clinical world. Kitasato University School of Nursing, Tokyo Japan.
13. **Henker, R.** (2012). Simulation in an Academic Setting. Laerdal Conference, Tokyo Japan.
14. **Henker, R.** & Iwashita, H. (2012). Simulation Workshop. Kyoto University School of Nursing, Kyoto Japan.
15. **Henker, R.** (2012). Innovative methods to improve new nurses for the clinical world. Tokyo Bay Hospital, Tokyo Japan.
16. **Henker, R.** (2012). Effective Clinical Communication. Ankor Hospital for Children. Siem Reap Cambodia.
17. **Henker, R.** (2012). Innovative methods to improve new nurses for the clinical world. Angkor Hospital for Children. Siem Reap Cambodia.
18. Donovan, H., **Henker, R.** (2013). An Integrative Review: It's importance and things to be considered when conducting the review. Boromarajonani College of Nursing, Nakon Phanom University, Nakon Phanom, Thailand
19. Donovan, H., **Henker, R.** (2013). Workshop on Code of Ethics for Nurses. Ministry of Health, Siem Reap Provincial Hospital, Siem Reap Cambodia.
20. **Henker, R.** (2013). Innovative Teaching Methods. Department of Anesthesiology, Siriraj Hospital, Bangkok, Thailand.
21. Jirativanont, T., **Henker, R.** (2013). Simulation Based Medical Education: From Principle to Practice. Siriraj Hospital, Bangkok, Thailand.
22. **Henker, R.** (2013). Anesthesia in Bhutan. Bhutan Ministry of Health, Thimphu Bhutan.
23. **Henker, R.** (2013). Innovations in Medical Education: Simulation Teaching. University of Medical Sciences Bhutan, Thimphu, Bhutan.
24. **Henker, R.** (2013). Anesthesia Care of the Neurosurgical Patient, Jigme Dorji Wangchuck National Referral Hospital.
25. **Henker, R.** (2013). Advanced Practice Nursing. Kanazawa Emergency Association. Kanazawa Japan.
26. **Henker, R.** (2013). Trends in Nursing Education: Simulation. Kanazawa Emergency Association. Kanazawa Japan.
27. **Henker, R.** (2013). Trends in Nursing Education: Simulation. School of Nursing. Asahikawa Medical University, Asahikawa Japan.
28. **Henker, R.** (2013). Advanced Practice Nursing and Simulation Education. School of Nursing. Sapporo City College, Sapporo Japan.

29. **Henker, R.,** Cuddy, M. (2013). The Student Nurse Anesthetist Rotation at the University of Pittsburgh Dental School. Osaka Dental University, Osaka, Japan.
30. **Henker, R.,** (2013). Simulation for Clinical Nursing. Kobe City University, Kobe, Japan.
31. Iwashita H, Emler L, Berg B, Kase y, Uchida K, Ren D, Lutz J, **Henker R** (2014). Validation of the Mayo High Performance Teamwork Scale and Ottawa Crisis Resource Management Global Rating Scale for Evaluation of Crisis Team Training The International Meeting for Simulation in Healthcare, San Francisco, California
32. **Henker, R.** (2014). Pain in Children. Boromarajonani College of Nursing, Nakon Phanom University, Nakon Phanom.
33. **Henker, R.** (2014). Pain in Children. Angkor Hospital for Children. Medical Education Department, Siem Reap Cambodia.
34. Griechen, A., Iwashita, H., Emler, L., Berg, B., Ren, Dianxu, R., Lutz, J., Uchida, K., Kase, Y., **Henker, R.** (2014). Evaluation of Crisis Team Training (CTT): Comparing a task completion checklist with team assessment using the Ottawa Crisis Resource Management Global Rating Scale. Oral presentation for All Together Better Health VII in Pittsburgh, Pennsylvania,
35. Duong, V., Lim, R., Som, S., **Henker, R.** (2014). Working with international volunteers who have a different culture in building capacity for nurses at Angkor Hospital for Children, Nakon Phanom University, Boromarajonani College of Nursing, National and International Conference on Healthcare.
36. **Henker, R.,** Jirativanont, T., Henker, H. Yutthana, Suraseranivongse, S. (2014). SiTEC:Crisis Team Management Training the Trainer, School of Medicine, Siriraj Hospital Mahidol University, Bangkok Thailand.
37. **Henker, R.** (2014). Risk factors for opioid induced side effects in postoperative orthopedic trauma patients, Molecular Medicine Division, School of Medicine, Siriraj Hospital Mahidol University, Bangkok Thailand.
38. **Henker, R.** (2015). Clinical teaching. Department of Anesthesiology, Siriraj Hospital Mahidol University, Bangkok Thailand.
39. **Henker, R.,** Koy, V., Prak, M. (2015). The Development of a Scope of Practice and Standards of Care for Nursing in Cambodia. International Council of Nursing International Conference, Seoul Republic of Korea.
40. Sem,C., Choup,B., Ly,B., Henker,H., Jirativanont,T., Raksamani,K., **Henker,R.** (2015). Crisis Team Management. (All day moderate fidelity simulation workshop). Angkor Hospital for Children, Siem Reap. Cambodia.
41. **Henker, R.** (2015). Pain in Children. Lao Friends Hospital for Children. Luang Prabang, Lao PDR.
42. Jirativanont,T., **Henker,R.,** Iwashita,H., Lertbunnaphong,T., Udomphorn,Y., Surasaranivongse,S. (2015). Development of a Crisis Team Management Train the Trainer Course using High Fidelity Simulation in Thailand. Award, Oral Presentation, 16th National Medical Education Conference of Thailand. Prince of Songkla University, Hat Yai, Thailand.

43. **Henker, R.** (2016). What are the latest recommendations for treatment of postoperative pain?? Korean Association of Nurse Anesthetists Annual Meeting and Plenary Sessions, Yongin Korea.
44. **Henker, R.** (2016). Crisis Team Management. (All day simulation workshop). Angkor Hospital for Children, Siem Reap Cambodia.
45. **Henker, R.** (2016). Pain Management Workshop. Angkor Hospital for Children, Siem Reap Cambodia
46. **Henker, R.** (2016). Hypertension and Anesthesia. Department of Anesthesiology. Jigme Dorji Wangchuck National Referral Hospital. Thimphu Bhutan.
47. **Henker, R.,** Penjor, T (2016). Emergence Delirium. Department of Anesthesiology. Jigme Dorji Wangchuck National Referral Hospital. Thimphu Bhutan.
48. **Henker, R.** (2016). The Use of Ultrasound by Nurse Anesthetists in the United States. Korean Association of Nurse Anesthetists Conference, Seoul Korea.
49. **Henker, R.,** Henker, H. (2016). Crisis Team Management. (All day simulation workshop). Angkor Hospital for Children, Siem Reap Cambodia.
50. **Henker, R.,** Jirativanont, T (2016). Problem based simulation education. Bhutan Nurse Anesthesia Students. SiMSET Simulation Center , School of Medicine, Siriraj Hospital Mahidol University, Bangkok Thailand.
51. **Henker, R.**(2016). Problem based learning: Endocrine. Bhutan Nurse Anesthesia Students, School of Medicine, Siriraj Hospital Mahidol University, Bangkok Thailand.
52. Murata, H., Morrison, S.R., Ostrowski, A., O'Donnell, J.M., Iwashita Henker, H. **Henker, R.** (2017) Does repeated debriefing with faculty support improve debriefing skills of senior nurse anesthesia students? A Pilot study. IMSH, Society for Simulation in Health Care, Orlando.
53. Henker, H. MD<sup>1</sup>, **Henker, R.** Jirativanont, T. Ly, B. R. (2017). A Crisis Team Management Simulation Course for OT Staff at Angkor Hospital for Children in Siem Reap, Cambodia. IMSH, Society for Simulation in Health Care, Orlando.
54. **Henker, R.** (2017). Trends in respiratory management of patients by CRNAs in America. Korean Association of Nurse Anesthetists Conference, Seoul Korea.
55. **Henker, R.,** Ouchi, G, Henker, H., Iitake, C. (2017). Train the Trainer: Crisis Team Management. Angkor Hospital for Children, Siem Reap Cambodia.
56. **Henker, R.,** Henker, H., Iitake, C. (2017, March). Crisis Team Management. (All day simulation workshop). Angkor Hospital for Children, Siem Reap Cambodia.
57. Engberg, S.; **Henker, R.** (2017). Global Health Educational Innovations at the University of Pittsburgh School of Nursing. AACN: Global Alliance for Nursing Science and Education, Miami Florida.
58. **Henker, R.,** Henker, H., Guhadasan, R., Jirativanont, T., (2017). Development of an Inter-professional Crisis Team Management Simulation Course at Angkor Hospital for Children in Siem Reap Cambodia. AACN: Global Alliance for Nursing Science and Education, Miami Florida.

59. **Henker, R.** (2017). Partnerships in International Research and Capacity Building: Research at HVO sites in Asia, Lessons Learned. Health Volunteers Overseas 30<sup>th</sup> Anniversary Symposium. George Washington University, Washington DC.
60. **Henker, R.**, Henker, H. (2017). What is in your future: Lessons learned. International University of Health and Welfare Odawa Campus, Odawa Japan.
61. **Henker, R.** (2017). Licensure, Accreditation, Certification and Education for Nurse Anesthesia Programs. International University of Health and Welfare, Graduate School, Tokyo Aoyama Campus. Tokyo Japan.
62. Poom, T., **Henker, R.**, Henker, H. (2017). Problem based simulation education: OB Anesthesia. Bhutan Nurse Anesthesia Students. SiMSET Simulation Center , School of Medicine, Siriraj Hospital Mahidol University, Bangkok Thailand.
63. **Henker, R.**(2017). Problem based learning: Trauma. Bhutan Nurse Anesthesia Students, School of Medicine, Siriraj Hospital Mahidol University, Bangkok Thailand.
64. **Henker, R.** (2017). What are the latest recommendations for treatment of postoperative pain?? Medical Education Meeting, Lao Friends Hospital for Children. Luang Prabang, Lao PDR.
65. Henker, H., **Henker, R.**, (2017, July). Crisis Team Management. (All day simulation workshop). Angkor Hospital for Children, Siem Reap Cambodia.
66. **Henker, R.** (2017). What are the latest guidelines for postoperative pain? Department of Anesthesiology. Jigme Dorji Wangchuck National Referral Hospital. Thimphu Bhutan.
67. **Henker, R.** (2017). Journal Club - Dexmetomidine in Free Flap Patients. Department of Anesthesiology. Jigme Dorji Wangchuck National Referral Hospital. Thimphu Bhutan.
68. **Henker, R.** (2017). Diabetes and Anesthesia Care. Department of Anesthesiology, Jigme Dorji Wangchuck National Referral Hospital. Thimphu Bhutan.
69. **Henker, R.** (2017). Journal Club - Isoflurane vs. Des for SSEPs in Pediatric Scoliosis Patients. Department of Anesthesiology. Jigme Dorji Wangchuck National Referral Hospital. Thimphu Bhutan.
70. **Henker, R.** (2017). Anesthesia implications for the patient with Adrenal and Pituitary Alterations. Department of Anesthesiology, Jigme Dorji Wangchuck National Referral Hospital. Thimphu Bhutan
71. **Henker, R.** (2017). Journal Club - Race and ethnicity on use of labor epidural anesthesia. Department of Anesthesiology. Jigme Dorji Wangchuck National Referral Hospital. Thimphu Bhutan.
72. Kinley, Z., **Henker, R.** (2017). Thermoregulation during Anesthesia. Department of Anesthesiology. Jigme Dorji Wangchuck National Referral Hospital. Thimphu Bhutan.
73. **Henker, R.**, (2017, November). Crisis Team Management. (All day simulation workshop). Angkor Hospital for Children, Siem Reap Cambodia.
74. **Henker, R.**, Henker, H. (November 2017). Innovations in Simulation Education: Ethics. Asahikawa University. Asahikawa Japan.

75. **Henker, R.** (December 2017). Implementation Plan for Nursing Standards of Care in Cambodia. National Biennial Nursing and Midwifery Conference 2017. Phnom Penh Cambodia.
76. **Henker, R.,** Sitzer, V. (February 2018). Barriers to use of the ANA Scope and Standards of Practice. MSN Research Class, Chulalongkorn University Bangkok Thailand.
77. **Henker, R.,** Henker, H., Ouchi, G. (March 2018). Train the Trainer: Crisis Team Management. (Two-day workshop). Angkor Hospital for Children, Siem Reap Cambodia.
78. **Henker, R.,** Henker, H., Ouchi, G. (March 2018). Crisis Team Management. (All day simulation workshop). Angkor Hospital for Children, Siem Reap Cambodia.
79. **Henker, R.** (March 2018). Trends in nurse anesthesia care of the patient with cardiac problems. Korean Association of Nurse Anesthetists Conference, Yongin Korea.
80. **Henker, R.** (May 2018). Competencies for Nursing Care in Cambodia. International Nurses Day Conference, Ministry of Health, Phnom Penh, Cambodia.
81. **Henker, R.** (May 2018). The Current State of Simulation for Nursing Education in the United States. Japanese Nursing Society for Simulation and Education Conference. Tokyo Medical University, Tokyo Japan.
82. **Henker, R.** (June 2018). The Current State of Simulation for Nursing Education in the United States. Faculty Development Session. International University for Health and Welfare – Narita, Narita Japan.
83. **Henker, R.** (June 2018). Professional Practice Issues for Advanced Practice Nurses in the United States. Jikei University Medical Center, Tokyo Japan.
84. **Henker, R.** (June 2018). Professional Practice Issues for Advanced Practice Nurses in the United States. International University for Health and Welfare - Narita, Narita Japan.
85. **Henker, R.** Asakawa, S. (June 2018). Comparison of Nursing in Japan and the United States. Lunch Time Session for Students and Faculty. International University for Health and Welfare – Narita, Narita Japan.
86. **Henker, R.** Asakawa, S. (June 2018). Scope of Practice for Advanced Practice Nurses in the United States. Lunch Time Session for Students and Faculty. International University for Health and Welfare – Narita, Narita Japan.
87. **Henker, R.** (November 2018). Postoperative pain. Perioperative Nurse Program. International University for Health and Welfare – Akasaka, Tokyo Japan.
88. **Henker, R.** (November 2018). Global commitment to safe surgical care. Perioperative Nurse Program. International University for Health and Welfare – Akasaka, Tokyo Japan.
89. **Henker, R.** (November 2018). Trends in anesthesia care for the patient with cardiac problems. Angkor Hospital for Children Anesthesia Unit Weekly Education Meeting. Siem Reap Cambodia.
90. **Henker, R.** (November 2018). Crisis Team Management using TeamSTEPPS to Improve Team Performance. Angkor Hospital for Children Anesthesia Unit Weekly Education Meeting. Siem Reap Cambodia.

91. **Henker, R.** (November 2018). Trends in anesthesia care for the patient with cardiac problems. Cambodia Society of of Anaesthesiology-Critical Care and Emergency Medicine 23<sup>rd</sup> Annual Conference: Update of Anaesthesia-Critical Care and Emergency Medicine in Cambodia. Phnom Penh Cambodia.
92. **Henker, R.** (November 2018). Crisis Team Management using TeamSTEPPS to Improve Team Performance. Cambodia Society of of Anaesthesiology-Critical Care and Emergency Medicine 23<sup>rd</sup> Annual Conference: Update of Anaesthesia-Critical Care and Emergency Medicine in Cambodia. Phnom Penh Cambodia.
93. **Henker, R.** (March 2019). In-situ Simulation, Malignant Hyperthermia, Local Anesthesia Toxicity and Anaphylaxis, Operating Theatre, Angkor Hospital for Children. Siem Reap Cambodia.
94. **Henker, R.** (June 2019). Education of Nurse Anesthetists in the United States. Perioperative Nurse Program. International University for Health and Welfare – Akasaka, Tokyo Japan.
95. **Henker, R.** (June 2019). Postoperative pain. Perioperative Nurse Program. International University for Health and Welfare – Akasaka, Tokyo Japan.
96. **Henker, R.** (June 2019). Nurses' Role in Health Care Policy Development. Nursing Now Campaign Cambodia. Phnom Penh Cambodia.
97. **Henker, R., Prak, M., Koy, V. Henker, H.** (2019). Exploring nurses and midwives' perceptions of educational opportunities including E-learning for continuing professional development in Cambodia: a qualitative study. Poster presentation by Prak at International Council of Nursing International Conference, Singapore.
98. **Henker, R., Minahan, C., Koy, V. Prak. M., Henker, H.** (2019). Observations by Nurse Midwives and Registered Nurses of Infection Prevention and Control Programs in 13 Hospitals in Cambodia. Oral Presentation by Minahan at International Council of Nursing International Conference, Singapore.
99. **Henker, R.** (2019). Train the Trainer: Crisis Team Management. (5 hour workshop). Lao Friends Hospital for Children.
100. **Henker, R.** Lao, Kuelee (2019). Postoperative Pain. Lecture for Physician Education Group at Lao Friends Hospital for Children.
101. **Henker, R.** (2019). Postoperative Nausea and Vomiting. Lecture for Physician Education Group at Lao Friends Hospital for Children.
102. **Smith, A., Henker, R.** (2019). Malignant Hyperthermia. Lecture for Physician Education Group at Lao Friends Hospital for Children.
103. **Henker, R.** (2019). Malignant Hyperthermia and Anaphylaxis. In Situ Simulation in the Operating Theatre and Inpatient Department at Angkor Hospital for Children, Siem Reap Cambodia.
104. **Henker, R.** (2019). Respiratory Failure. In Situ Simulation in the Inpatient Department at Angkor Hospital for Children, Siem Reap Cambodia.
105. **Henker, R.** (November 2019). Endocrine. Perioperative Nurse Program. International University for Health and Welfare – Akasaka, Tokyo Japan.

106. **Henker, R.** (September 2020). *Building the Anesthesia Work Force: Lao People's Democratic Republic*. Webinar Series During the United Nations General Assembly. From Pandemic to Progress, Building Capacity Through Global Surgical, Obstetric, Trauma and Anaesthesia Systems. Anaesthesia: September 20<sup>th</sup>, 2020. Sponsors included G4 Alliance, Program in Global Surgery and Social Change at Harvard Medical School and Global Initiative for Children's Surgery (GICS).
107. **Henker, R.** (March 2021). *The role of the nurse in supporting surgical and anaesthesia systems in the Asia-Pacific region*. Strategic Planning to Improve Surgical, Obstetric, Anaesthesia, and Trauma Care in the Asia-Pacific Region. Hosted by the Harvard Center for Global Health Delivery, Harvard Program for Global Surgery and Social Change, Global Surgery Foundation, Royal Australian College of Surgeons, and UNITAR.
108. **Henker, R.** (February 2021). Translational and Implementation Science. PhD Nursing Program at Keio University School of Nursing, Tokyo, Japan.
109. **Henker, R.** (July, 2021). Implications of COVID on delivery of anesthesia. Lao Friends Hospital for Children and Angkor Hospital for Children.
110. Deslandes, B., Miner, L., Bircher, N., **Henker, R.**, Prak, M., Koy, V. (July, 2021). Nursing Workforce Characteristics and Effect on Life Expectancy and Under Five Mortality in Southeast Asian Countries. G4 Alliance Nursing and Midwifery Working Group.
111. Singh, D., Mitchell, M., Pinner, A. **Henker, R.** (May, 2021). Professional Stress. Health Volunteers Overseas Webinar.
112. Koy, V., Bircher, N., **Henker, R.** (August to November 2021). National Strategic Plan Infection Prevention and Control Workshops. Ministry of Health Cambodia, funded by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Eschborn, Germany.
113. **Henker, R.** (August 2021). Anesthesia implications for COVID. Virtual presentation for Angkor Hospital for Children and Lao Friends Hospital for Children.
114. **Henker, R.** Presentation on the National Strategic Plan on Infection Prevention and Control, Cambodia Ministry of Health . Funded by: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Eschborn, Germany. Two day workshop with WHO, GIZ and MoH representatives Cambodia.
115. **Henker, R.** Advanced Pediatric Life Support. (October and November, 2021). Virtual presentation for Angkor Hospital for Children and Lao Friends Hospital for Children.
116. Prak, M. Koy, V., **Henker, R.** Developing and Implementing Cornerstone Nursing Documents in Cambodia. Virtual HVO Webinar.

## National

1. **Henker, R.** (1987). Artificial heart. Paper presented at the Cardiovascular Symposium, Providence Heart Institute Columbia, South Carolina.
2. **Henker, R.** (1987). Mechanical assist devices. Paper presented at the State of the Heart 87, American Heart Association in Southern Arizona, Tucson, Arizona.
3. **Henker, R.** (1987). Dimensions of caring for the patient with a Jarvik-7 total artificial heart. Paper presented at the National Teaching Institute, AACN, New Orleans, Louisiana.



4. **Henker, R.** (1988). Mechanical assist devices. Paper presented at the Veterans' Administration Medical Center - West Los Angeles, Los Angeles, California.
5. **Henker, R.** (1988). Caring for the patient with a total artificial heart. Paper presented at the National Teaching Institute, AACN, Dallas, Texas.
6. **Henker, R.,** Shaver, J. (1991) A basis for fever assessment and therapy. Paper presented at the conference, Toward Research Based Clinical Practice: 1991 Update. May 1991. Dartmouth-Hitchcock Medical Center and Saint Anselm College. Manchester, New Hampshire.
7. **Henker, R.** (1991). Fever in the critically ill. Paper presented at the Mellon Conference, Case Western Reserve University, Cleveland, Ohio.
8. **Henker, R.** (1991). Fever in the critically ill. Paper presented at the National Teaching Institute, AACN, Boston, Massachusetts.
9. **Henker, R.,** Savage, M., Shaver, J., Brengelmann, G. (1993). Core temperature and skin blood flow responses to two patterns of cooling in a laboratory setting. Paper presented at the American Nurses Association Council of Nurse Researchers, Washington, D.C.
10. Lyness, A.L., **Henker, R.** (1996). Applications on the internet. Paper presentation. 1996 Lilly Conference on College and University Teaching, Columbia, South Carolina.
11. **Henker, R.,** Bernardo, L., Bove, M., Sereika, S. (1996). The effects of warmed and room temperature intravenous fluids on aural temperature in injured children. Poster session presented at the American Nurses Association Biennial Convention, Washington, D.C.
12. **Henker, R.** (1998). Evidence based nursing – fever related interventions. Paper presented at the Society of Critical Care Medicine Educational and Scientific Symposium, San Antonio, Texas.
13. **Henker R.** (1999). Evidence based practice: Clinical monitoring issues – core temperature measurement: Which routes are valid and reliable in adults and children. Paper presented at the Society of Critical Care Medicine Educational and Scientific Symposium, San Francisco, California.
14. **Henker, R.** (2000) Evidence based practice: Monitoring and treatment associated with fever. Paper presented at the conference, Topics in Critical Care: Issues and Strategies, Clarian Health, Indianapolis, Indiana.
15. **Henker, R.** (2000) Creating a therapeutic milieu in the ICU: Effects of the environment on circadian rhythm. Paper presented at the Society of Critical Care Medicine Educational and Scientific Symposium, Orlando, Florida.
16. **Henker R.** (2000) Examining nursing practices at the millennium: Rituals or evidence-based care? Cooling Blankets: Effective Therapy for Hyperthermic States? Paper presented at the Society of Critical Care Medicine Educational and Scientific Symposium, Orlando, Florida.
17. Hines, T., **Henker, R.,** Rogers, S., Gallek, M. and Kelso, L. (2000). Role of hepatic vagal afferents in fever: Insights from clinical and animal studies. Poster presented at the Hyperthermia and Fever Section. Experimental Biology 2000, San Diego, CA.

18. Higgins, F., **Henker, R.**, Bernardo, L., Sereika, S. (2001). Comparison of five systems for warming intravenous fluid. Poster session presented at the American Association of Nurse Anesthetists Annual Meeting, San Francisco, California.
19. Forro, K.L., Brown, S.D., **Henker, R.A.**, Chang, Y.F., Adelson, P.D. (2004). Comparison of coagulation studies between hypothermic and normothermic children with traumatic brain injury. Poster session presented at the, National Congress on the State of the Science in Nursing Research, Washington, D.C.
20. Nativio, D.G., Rosenzweig, M., **Henker, R.**, Charron-Prochownik, D., Cohen,S., Burns,H. (2005). Conversion of an existing family nurse practitioner curriculum to a doctorate of nursing practice: Integration of data from student and faculty focus groups. Poster session presented at NONPF 31st Annual Meeting, Chicago.
21. **Henker, R.**, Rosenzweig, M., Nativio, D., Charron-Prochownik, D., Cohen, S., Burns, H., Anderson, H. (2005). Incorporation of the doctorate of nursing practice curriculum into an established nurse anesthesia program. Poster session presented at the Assembly of School Faculty, American Association of Nurse Anesthetists, Fort Lauderdale, Florida
22. Wood, R.B., Kempen, P.M., **Henker, R.** (2006). 85 Year-Old with multiple medical problems scheduled for laparoscopic repair of giant paraesophageal hernia: medical and ethical dilemma. Poster session presented at the American Society of Anesthesiologists, Chicago Illinois.
23. O'Donnell, J.M., **Henker, R.**, Dixon, B.A., Burns, H.K., White, D., Hoffmann R., Sell, S., Englert, N. (2006). Curricular integration of human simulation education across programs: SEGUE. Poster session presented at the University of Pittsburgh School of Nursing International Meeting on Medical Simulation 2006.
24. **Henker, R.**, Wesmiller, S., Brown, A., Sereika, S. Meng, L., Gruen, G., Tarkin, I., Pape, H. Conley, Y. (2008). The association between opioid  $\mu$  receptor genotypes and nausea in orthopedic trauma patients. Paper presented at Council for the Advancement of Nursing Science, 2008 National State of the Science Congress on Nursing Research, Washington, D.C.
25. Bauernschmidt, E., Gruen, G., Tarkin, I, Pape, H., **Henker, R.**, Brown, A., Sereika, S. Meng, L. (2009). Is Post-Operative Pain Relief Following Orthopedic Surgery Genetically Predetermined? Poster session presented at the Annual Meeting of the American Association of Orthopaedic Surgeons, 2009 in Las Vegas.
26. Jenna Lashley, J., Wesmiller, S., Scalise, E., **Henker, R.**, Dai, F., Sereika, S., Lariviere, W., Meng, L, Gruen, G., Tarkin, I., Siska, P., Conley, Y. The Association of Postoperative Pain and Opioids with Genotypes for Cytochrome 4502D6 (CYP2D6) in Orthopedic Trauma Patients. Poster session presented at the American Association of Nurse Anesthetists Annual Meeting, Seattle, Washington, 2010.
27. Wesmiller, S.W., Sereika, S.M., **Henker, R.**, Lariviere, W., Dai, F., Meng, L., Gruen, G. Tarkin, I., Siska, P., Perry Conley, Y. (2010). CYP2D6, Pain and PONV in Orthopedic Surgical Patients. Poster presented at Council for the Advancement of Nursing Science, 2010 National State of the Science Congress on Nursing Research, Washington, D.C.
28. **Henker, R.**, O'Donnell, J. (2010). Developing Problem Based Simulations: Goals, Objectives, Curricular Fit and Outcomes. 4th Annual WISER Symposium on Nursing Simulation. Pittsburgh, Pennsylvania.

29. Miller, S.M., **Henker, R.A.**, Sereika, S.M., Bender, C.M. (2011). Perioperative factors associated with postoperative cognitive function in women with breast cancer. Oral presentation at the American Association of Nurse Anesthetists Annual Meeting, Boston Massachusetts.
30. Switzer, S., Wesmiller, S., **Henker, R.**, Sereika, S., Meng, L., Gruen, G., Tarkin, I., Siska, P., Conley, Y. (2011) Association of mu opioid receptor genotypes and postoperative opioid use in African Americans. Poster session presented at the American Association of Nurse Anesthetists Annual Meeting, Boston Massachusetts.
31. Wesmiller, S., Sereika, S., **Henker, R.**, Donovan, H., Meng, L., & Conley, Y. (2012) "The Genetics of Postoperative Nausea and Vomiting." Oral Presentation at the 2012 annual meeting of the American Society for Perianesthesia Nurses, Orlando, Florida.
32. Morrison, S., Collier, P., Mainelli, R., Wright, C., O'Donnell, J., **Henker, R.** (2013). Methodology for Retrospective Inquiry of Perioperative Glycemic Control in Vascular Surgery Patients. Poster Presentation at the 2013 American Association of Nurse Anesthetists Annual Meeting at Las Vegas Nevada.
33. **Henker, R.**, Brown, S. (2013). Lessons learned from overseas volunteering. Oral Presentation at the annual meeting of the American Association of Nurse Anesthetists, Las Vegas, Nevada.
34. Pennett, A., **Henker, R.**, Conley, Y., Wesmiller, S., Dai, F. (2014). Risk Factors for Respiratory Depression in Postoperative Orthopedic Trauma Patients Oral Presentation at the Council for the Advancement of Nursing Science, National State of the Science Congress on Nursing Research, Washington, D.C.
35. **Henker, R.** Is Overseas Volunteer Work in Your Future? (2014). AANA Nurse Anesthesia Annual Congress, Orlando Florida.
36. Morrison, S., O'Donnell, J., Ren, D., **Henker, R.** (2014). Retrospective analysis of glucose monitoring and treatment in patients undergoing vascular surgery. Poster Presentation at the 2014 American Association of Nurse Anesthetists Annual Meeting at Orlando, Florida.
37. Durkan-Hammond, K. Bernardo, L.M., Palmer, L.Brown, S., **Henker, R.** (2014). Innovative Educational Approach for an International Nurse Anesthesia Education Program. Poster Presentation at the 2014 American Association of Nurse Anesthetists Annual Meeting at Orlando, Florida.
38. Wingate, C., **Henker, R.** Conley, Y. (2015). Predictors of postoperative opioid use in orthopedic trauma patients. Oral Presentation at the National Conference on Undergraduate Research. Spokane Washington.
39. **Henker, R.** (2016). Global Health: Improving Surgical Access through Advanced Practice Nursing. Elizabeth McWilliams Miller Distinguished Lecture Series, Beta Tau Chapter of Sigma Theta Tau International, University of Miami School of Nursing & Health Studies, Miami, Florida.
40. **Henker, R.** (2016). Considerations for Global Sites for Nurse Anesthesia Students. Council on Accreditation: International Issues Special Interest Group Retreat. Chicago Illinois.
41. Desantis, A., Cummings, R., Dorji, L. Tshering, J., Wangmo, K.P., Pemba, G., **Henker, R.** (2016). Meeting the Need for Anesthesia Care and Surgical Services in Bhutan. Poster Presentation at the 2016 American Association of Nurse Anesthetists Annual Meeting at Washington DC.

42. Murata, H., Oono, Y., Saito, K., Yamaguchi, Y., Takinami, M., **Henker, R.** (2016). Validity of the Japanese Version of the RCSQ. Poster Presentation at the Council for the Advancement of Nursing Science, National State of the Science Congress on Nursing Research, Washington, D.C.
43. Paik, G., Appel, N., Meng, L., Dixon, B., Bircher, N., Sereika, S., Alexander, S., **Henker, R.** (2017). Is temporal artery thermometry a useful indicator of core body temperature in patients receiving general anesthesia? National Conference on Undergraduate Research, Memphis.
44. Kudach, T., **Henker, R.**, & Wesmiller, S. (April, 2017). The Influence of Individual Factors and Common Variants of catechol-O-methyltransferase on Symptoms Experienced by Postoperative Orthopedic Patients. Podium presentation at the 2017 National Conference for Undergraduate Research, Memphis, Tenn.
45. Tota, E, **Henker, R.**, Brandom, B. (September 2017). Malignant Hyperthermia Susceptibility: History of Symptoms. Poster presentation at the 2017 Scientific Conference by the Malignant Hyperthermia Association of the United States in Minneapolis.
46. Paik, G.J., Henker, H., Alexander, S., Sereika, S., **Henker, R.** (2018). Factors associated with core body temperatures in patients receiving general anesthesia during surgery. National Conference on Undergraduate Research, University of Central Oklahoma, Edmond Oklahoma.
47. Tota, E, **Henker, R.**, Brandom, B. (2018). Malignant Hyperthermia Susceptibility: History of Symptoms. Poster presentation at the 2018 National Student Nurses Association Annual Convention. Nashville.
48. Collins, S. **Henker, R.**, Pinner, A. (2018). Global Volunteerism for Nurse Anesthetists. Oral presentation at the 2018 American Association of Nurse Anesthetists Annual Meeting at Boston.
49. Minahan, C. Koy, V., Prak, M., Henker, H., **Henker, R.** (2019). Infection Prevention and Control Practices in 13 Government Hospitals in Cambodia. National Conference on Undergraduate Research. Kennesaw State University, Atlanta.
50. **Henker, R.** (2019). Global Anesthesia: How Can We Improve Access to Anesthesia and Surgical Care in Low and Middle-Income Countries? Oral presentation at the 2019 American Association of Nurse Anesthetists Congress in Chicago.
51. Tedeschi, E., **Henker, R.** , Wesmiller, S., (2019). Reducing the Incidence of Post-Operative Complications with The Use of Sugammadex vs. Typical Reversal Agents After General Anesthesia. Poster presentation at the 2019 American Association of Nurse Anesthetists Congress in Chicago.
52. Fatigati, A., Fortune, K., Minahan, C., **Henker, R.**, Klem, M.L., Adams, P., Lim, G., Fortune, S., Skelton, M., (2019). Development and Evaluation of Usability of Anesthetic Recommendations for Parturients with Fontan Palliation. Poster presentation at the 2019 American Association of Nurse Anesthetists Congress in Chicago.
53. Eng, H., Brown, S., Ly, B., Zangle, S., Pinner, A., **Henker, R.** (2019). A Model for Sustainable Anesthesia Care in a Middle-Income Country: The Health Volunteers Overseas Nurse Anesthesia Program at Angkor Hospital for Children in Siem Reap Cambodia. Poster presentation at the 2019 American Association of Nurse Anesthetists Congress in Chicago.

54. Deslate, S., Chasens, E., Steward, K., **Henker, R.**, (2019). STOP-BANG as a Pre-Procedure Risk Assessment Tool in a Gastrointestinal Laboratory. Oral and Poster presentation at the 2019 American Association of Nurse Anesthetists Congress in Chicago.
35. **Henker, R.** (2019). Nurse Anesthesia Program Rotation at Angkor Hospital for Children in Siem Reap Cambodia 2007 –2019. Oral Presentation at Globalizing the Future conference at Clayton State University, Morrow Georgia. Meeting sponsors included Abraham Baldwin Agricultural College, University of Pittsburgh School of Nursing and Asian Studies Center, Nine University and College International Studies Consortium of Georgia.
36. **Minahan, C.**, Henker, H., Prak, M., Koy, V., Sereika, S., Henker, R. (2019). *Infection Prevention and Control Practices of 13 Government Hospitals in Cambodia. Virtual Poster Presentation.* Eastern Nursing Research Society (ENRS) Conference in Boston, MA March 2020.
37. **Henker, R.** (2020). How Does Genomics Affect Your Anesthetics? Virtual presentation at the 2020 American Association of Nurse Anesthetists Congress.
38. Vaccaro, J., Shapiro, T., Olio, S.A., Pileggi, W., O'Donnell, J., **Henker, R.** Emergence Delirium Screening in Military Veterans Receiving General Anesthesia: A Quality Improvement Project. Poster presentation at the 2021 Virtual American Association of Nurse Anesthetists Congress.
39. Kempel, S., Jones, J., Deslate, S., Varga, J., **Henker R.** Impact of guidelines for the use of high flow nasal cannula by nurse anesthetists in the Gastrointestinal Laboratory. Poster presentation at the 2021 Virtual American Association of Nurse Anesthetists Congress.
40. Betsker, M., Shockey, S., Miner, L, Brandom, B., **Henker, R.**, Life with Malignant Hyperthermia Susceptibility: A Qualitative Study. Poster presentation at the 2021 Virtual American Association of Nurse Anesthetists Congress.
41. **Henker, R.** Global Anesthesia: How Can We Improve Access to Anesthesia and Surgical Care in Low and Middle-Income Countries? AANA Congress Virtual Presentation September 2021.

### **Regional and Local**

1. **Henker, R.** (1986). The artificial heart as a bridge to transplantation-case study. Paper presentation at the Cardiopulmonary Nursing Symposium, St. Luke's Heart Lung Center Phoenix, Arizona.
2. **Henker, R.** (1987). CAVH, Differential lung ventilation. Artificial heart devices. Papers presented at Mainstreams of Critical Care Nursing, Western Critical Care Institute, Phoenix, Arizona.
3. **Henker, R.** (1990). Nursing care of the patient with a cardiac assist device. Paper presented at St. Joseph's Hospital and Greater Phoenix Area Chapter AACN, Phoenix, Arizona.
4. **Henker, R.**, Savage, M., Shaver, J., Brengelmann, G (1993). Comparison of two patterns of body cooling. Western Society for Research in Nursing, Seattle, Washington.
5. **Henker, R.**, Savage, M., Brengelmann, G. (1993). Comparison of esophageal and tympanic membrane temperature during cooling. Paper presented at the Western Society for Research in Nursing, Seattle, Washington.

6. **Henker, R.**, Coyne, C. (1994). Clinical temperature measurement: A comparison of sites and devices. Paper presented at the Greater Pittsburgh Sixth Annual Clinical Nursing Research Conference, Pittsburgh, Pennsylvania.
7. **Henker, R.**, Savage, M., Shaver, J., Brengelmann, G. (1994). Comparison of two patterns of body cooling. Paper presented at the Midwest Nursing Research Society, Milwaukee, Wisconsin.
8. O'Connor, K., Bernardo, L., **Henker, R.**, Sereika, S. (1994). Evaluation of three methods of warming IV fluids. Paper presented at the Greater Pittsburgh Sixth Annual Clinical Nursing Research Conference, Pittsburgh, Pennsylvania.
9. Clemence, B., Walters, P., Bernardo, L.M., **Henker, R.** (1995) A Comparison of Aural and Rectal Temperature Measurements in Moderately and Severely Injured Children. Greater Pittsburgh Seventh Annual Clinical Nursing Research Conference, Pittsburgh, Pennsylvania.
10. Briggs Miracle, T., Bernardo, L.M., Gardner, M.J., **Henker R.** (1995). A comparison of prescribed and administered analgesics among injured adolescents admitted to two trauma centers. Poster session presentation at the Greater Pittsburgh Seventh Annual Clinical Nursing Research Conference, Pittsburgh, Pennsylvania.
11. **Henker, R.**, Rogers, S., Kelso, L., Thomas, E., Kerr, M., Kramer, D. (1996). Core temperature and cardiovascular responses of febrile critically ill liver transplant patients to antipyretics and physical cooling. Poster session presentation at the Eastern Nursing Research Society, Pittsburgh, Pennsylvania.
12. Sereika, S., Kerr, M.E., Orndoff, P. A. Webber, B.B., **Henker, R.A.**, Marion, D., Meno, F. (1998). The effect of cerebrospinal fluid drainage on intracranial pressure in severe head injured adults. Paper presented at the Eastern Nursing Research Society, Rochester, New York.
13. Kerr, M., Marion, D., Orndoff, P., Weber, B., Sereika, S., **Henker, R.** (1998). Effect of cerebrospinal fluid (CSF) drainage on cerebral perfusion and oxygenation. Paper presented at the Eastern Nursing Research Society, Rochester, New York.
14. **Henker R.** (1999). Evidence based practice: Clinical thermometry and fever related interventions. Paper presented at Theta Mu Chapter of Sigma Theta Tau, LaRoche College Nursing Department, Pittsburgh Pennsylvania.
15. Higgins, F., **Henker, R.**, Bernardo, L., Sereika, S. (2001). Comparison of five systems for warming intravenous fluid. Poster session presentation at the Greater Pittsburgh Annual Clinical Nursing Research Conference, Pittsburgh, Pennsylvania.
16. Higgins, F., **Henker, R.**, Bernardo, L., Sereika, S. (2002). Comparison of five systems for warming intravenous fluid. Poster Presentation for Eta Chapter of Sigma Theta Tau, Pittsburgh Pennsylvania.
17. Forro, K.L., Brown, S.D., **Henker, R.A.**, Chang, Y.F., Adelson, P.D. (2005). Comparison of coagulation studies between hypothermic and normothermic children with traumatic brain injury. Poster session presentation for Eta Chapter of Sigma Theta Tau, Pittsburgh Pennsylvania.
18. **Henker R.** (2005). Where's the proof? Current trends in evidence based practice. Paper presented at the UPMC Presbyterian Emergency Nursing Symposium. Pittsburgh, Pennsylvania.
19. **Henker R.** (2006). Implications of fever in the ICU patient. Paper presented at the Critical Care Symposium, UPMC-Presbyterian, Pittsburgh Pennsylvania.

20. **Henker, R.** (2006). Fever and anesthesia: Is there a relationship? Paper presented at the 13<sup>th</sup> Annual Nursing Horizons Conference: Moving to Evidence-Based Practice. University of Pittsburgh School of Nursing, Pittsburgh Pennsylvania.
21. **Henker, R.** (2006). Volunteer nursing in Cambodia. Keynote Speaker for Founder's Day, Sigma Theta Tau, Eta Chapter, Pittsburgh Pennsylvania.
22. **Henker R., O'Donnell, J.** (2007, February) Should you get your doctorate? Paper presented at the UPMC Mentoring Workshop, Pittsburgh Pennsylvania.
23. **Henker R., O'Donnell, J.** (2007, October) Should you get your doctorate? Paper presented at the UPMC Mentoring Workshop, Pittsburgh Pennsylvania.
24. **Henker R.** (2007). Testified at a Pennsylvania State Board of Nursing Hearing on Moderate Sedation on behalf of the Pennsylvania State Nurses Association.
25. **Henker, R.** Conley, Y., Meng, L., Gruen, G., Brown, A., Sereika, S., Praesel, K., Tarkin, I., Pape, H. (2008). The association between opioid  $\mu$  receptor genotypes and postoperative pain responses in orthopedic trauma patients: A pilot study. Poster presentation for Eta Chapter of Sigma Theta Tau, Pittsburgh Pennsylvania.
26. **Henker, R.** (2008). Genetics in Anesthesia. Oral Presentation for the Summer Anesthesia Seminar, Pittsburgh Pennsylvania.
27. Gowda, I., **Henker, R.**, Lariviere, W., Brown, A., Sereika, S., Meng, L., Gruen, G., Pape, H., Tarkin, I., Conley, Y. (2009). The association between opioid  $\mu$  receptor genotypes and opioid induced sedation in orthopedic trauma patients. Poster presentation for Eta Chapter of Sigma Theta Tau, Pittsburgh Pennsylvania.
28. **Henker, R.** (2009). Anesthesia Overseas. Oral Presentation for the Summer Anesthesia Seminar, Pittsburgh Pennsylvania.
29. Lashley, J., **Henker, R.**, Gowda, I., Lariviere, W., Dai, F., Brown, A. Sereika, S. Meng, L. Gruen, G. Pape, P. Tarkin, I. Conley, Y (2010) The Association between Opioid Induced Sedation and Genotypes for Opioid  $\mu$  Receptors & Catechol-O-Methyl Transferase in Postoperative Orthopedic Trauma Patients. Poster presentation for Eta Chapter of Sigma Theta Tau, Pittsburgh Pennsylvania.
30. **Henker, R.** (2010). How Students Should Learn Directs How We Should Teach. Oral presentation at the Learning Opportunities for Faculty Conference, Center for Instructional Design and Distance Education, University of Pittsburgh.
31. **Henker, R.** (2010). UPMC CRNA Nursing Grand Rounds, Educational Trends in Nurse Anesthesia, University Club, Pittsburgh Pennsylvania.
32. **Henker, R.** & Beach, M. (2010). Nursing Beyond our Geographic Boundaries: Volunteering Abroad. The Student Nurses' Association of Pennsylvania 58<sup>th</sup> Annual Convention. Lancaster Pennsylvania.
33. **Henker, R.** (2011). Opportunities for Volunteering Overseas. 37<sup>th</sup> Annual Pittsburgh Symposium for Nurse Anesthetists. Magee-Womens Hospital. Pittsburgh Pennsylvania.

34. Switzer, S., Wesmiller, S., **Henker, R.**, Sereika, S., Meng, L., Gruen, G., Tarkin, I., Siska, P., Conley, Y. (2011) Association of mu opioid receptor genotypes and postoperative opioid use in African Americans Poster presentation for Eta Chapter of Sigma Theta Tau, Pittsburgh Pennsylvania.
35. Miller, S.M., **Henker, R.A.**, Sereika, S.M., Bender, C.M. (2011). Perioperative factors associated with postoperative cognitive function in women with breast cancer. Poster presentation at the Pennsylvania Association of Nurse Anesthetists Annual Meeting, Hershey Pennsylvania.
36. **Henker, R.** (2013). Volunteer Nurse Anesthesia Overseas. Oral Presentation at P.A.I.N. (student organization) University of Arizona, Tucson, Arizona.
37. **Henker, R.** (2015). Volunteer Nurse Anesthesia Overseas. Oral Presentation at P.A.I.N. (student organization) University of Arizona, Tucson, Arizona.
38. **Henker, R.** (2015). Teaching Methods in an International Setting. PhD educational methods class. School of Nursing University of North Carolina. Chapel Hill North Carolina.
39. Khalil, H, Sereika, S., Conley, Y., Alexander, S., Dai, F., Gruen, G., Tarkin, I., Siska, P., Meng, L., **Henker, R.** (2016). *OPRM1* and *COMT* Gene–Gene Interaction is Associated with Postoperative Pain and Opioid Consumption after Orthopedic Trauma Surgery. Poster Presentation at the Eastern Nursing Research Society. Pittsburgh Pennsylvania.
40. Desantis, A., Cummings, R., Dorji, L. Tshering, J., Wangmo, K.P., Pemba, G., **Henker, R.** (2016). Meeting the Need for Anesthesia Care and Surgical Services in Bhutan. Poster Presentation at the Sixth Annual Scholarly Poster Presentation, University of Pittsburgh School of Nursing, Pittsburgh PA.
41. Khalil, H, Sereika, S., Conley, Y., Alexander, S., Dai, F., Gruen, G., Tarkin, I., Siska, P., Meng, L., **Henker, R.** (2016). *OPRM1* and *COMT* Gene–Gene Interaction is Associated with Postoperative Pain and Opioid Consumption after Orthopedic Trauma Surgery. Poster Presentation at Sixth Annual Scholarly Poster Presentation, University of Pittsburgh School of Nursing, Pittsburgh PA.
42. Desantis, A., Cummings, R., Dorji, L. Tshering, J., Wangmo, K.P., Pemba, G., **Henker, R.** (2017). Meeting the Need for Anesthesia Care and Surgical Services in Bhutan. Poster Presentation for Eta Chapter of Sigma Theta Tau, Pittsburgh Pennsylvania.
43. **Henker, R.** (2017). Update on Postoperative Pain Management. 3rd Annual Dissemination of Nursing QI, Evidence and Research Forum: Healthcare Across the Lifespan. Excela Health, Greensburg, Pennsylvania.
44. **Henker, R.** (2017). Global Commitment to Safe Surgical Care. UPMC Office of Advanced Practice Providers Fall 2017 CME Conference. Pittsburgh, Pennsylvania.
45. **Henker, R.** (2019). The Impact of Nurse Anesthesia Practice in Southeast Asia. 3<sup>rd</sup> Annual Geisinger CRNA Conference. Danville, PA.
46. **Henker, R.** (2019). Genomic Considerations in Anesthesia. UPMC CRNA Conference Nemaacolin Lodge, PA.



47. **Minahan, C.**, Henker, H., Prak, M., Koy, V., Sereika, S., Henker, R. (2019). *Infection Prevention and Control Practices of 13 Government Hospitals in Cambodia. Virtual Poster Presentation.* School of Nursing Poster Presentation. February 2020.
48. Uram A., **Henker, R.**, Fleck, D., Smith, B., Meng, L., Bircher, N., Ren, D. (2021). Identifying Difficult Intravenous Access (DIVA) in Presurgical Patients with a Modified Telephone Version of the Enhanced Adult Difficult Intravenous Access (EA-DIVA) Screening Tool. UPP CRNA Virtual Education Conference.
49. Betsker, M., Shockey, S., Miner, L., Brandom, B., Tota, E. **Henker, R.** (2021). Life After Malignant Hyperthermia: A Qualitative Study. UPP CRNA Virtual Education Conference.
50. **Henker, R.** Global Anesthesia. Nursing Student Association – University of Pittsburgh, Virtual Presentation.

### Teaching

#### Primary Teacher

Term	Course Title & Number	Number of Students	Level	Didactic/ Clinical
Spring 2019 - 2022	NUR 0053 Introduction to Inclusion, Equity and Diversity in Health Care	20	Undergrad	Seminar
Fall 2018 – 2021	NUR 0001 Freshman Seminar	20	Undergrad	Seminar
Fall & Spring 2017- 2022	NUR1142: Professional Issues in Advanced Practice Nursing: Nurse Anesthesia	5-7	University Honors Course	Seminar Simulation Clinical
2017-2021 Fall	NURSAN 3789 Physical Diagnosis: Anesthesia	30-40	DNP	Didactic & Simulation
2007-2022 Fall & Spring	NUR 2633 Health Care Delivery in Cambodia	2-5	Graduate & Undergrad	Didactic, Simulation & Clinical
2007-2017 Fall	NUR 2025 Physical Diagnosis Clinical	~20-50	MSN	Didactic
2007-2017 Spring & Summer	NURSAN 2720 Applied Physiology and Pathophysiology	~ 20-25	MSN	Didactic & Simulation
2005-2018 Spring & Summer	NUR 2002 Research Practicum	~ 20-30	MSN	Didactic
2004-2005 Spring	NUR 1610 Applied Physiology for Clinical Practice	~ 35	RN-Options	Didactic
2004 Summer	NURCNS 2851 CNS Practicum I	~ 10	MSN	Didactic & Clinical
2004 Spring	NUR 0081 Foundations of Nursing Practice I	~ 22	BSN	Didactic
1994-2006 Fall	NUR0020 Pathophysiologic Foundations of Nursing Care	~ 125	BSN	Didactic
2001-2002 Spring	NUR0082 Nursing Mgt of the Adult with Acute/Chronic Health Problems	~ 8	BSN	Clinical
1994-2004 Fall & Summer	NUR 2004 Advanced Pathophysiology Across the Lifespan	~ 110	MSN	Didactic

**Guest Lectures**

<b>Term</b>	<b>Course Title &amp; Number</b>	<b>Hrs</b>	<b>No. of Students</b>	<b>Level</b>	<b>Title of Lecture</b>
2018 & 2020 Fall & Spring	NUR 2010 Health Promotion	2	15-35	DNP	Book Discussion: The Spirit Catches You and You Fall Down
2017-2021 Fall	NURSAN 3786 Basic Principles of Anesthesia	5	30-40	DNP	1) Opioids, 2) ANS Drugs, 3) Respiratory, 4) Renal, 5) Hepatic
2017 - 2021 Fall	NURSAN 3786 Basic Principles of Anesthesia Lab	30	30-40	DNP	1) Airway Management, 2) Positioning, 3) Mock Induction
2017-2021 Fall	NURSAN 3788 Chemistry and Physics in Anesthesia	4	30-40	DNP	1) Diffusion, Osmosis, and Solubility 2) Thermoregulation
2018-2021 Summer	NURSAN 3793 Advanced Principles of Anatomy, Applied Physiology and Pathophysiology 2	4	30	DNP	Endocrine
2018 & 2021 Spring	NURSAN 3791 Advanced Principles of Anatomy, Applied Physiology and Pathophysiology 1	24	30	DNP	Respiratory, and Immunity
2017 Fall	Global Health Residency Course: Graduate School of Public Health	1.5	6	Post Grad	Experiential Ethics Panel Discussion
2017-2020 Spring	NUR 2680 Introduction to Genetics and Molecular Therapeutics	2	~40	DNP	Genomic Considerations in Patients Receiving Anesthesia
2011-2020 Fall, Spring & Summer	NUR 2004 Advanced Pathophysiology Across the Lifespan	4	20-110	MSN & DNP	1) Inflammation and Infectious Diseases
2008 Spring	NUR 1610 Applied Physiology for Clinical Practice	3	~20	RN-Options	Fluid and Electrolytes
2008-2018 Spring & Summer	NURSAN 2750 Advanced Principles III	~24	~6	MSN	Difficult Airway Workshop
2007-2017 Fall	NURSAN 2740 Advanced Principles II	24	~50	MSN	Double Lumen Endobronchial Tube Workshop
2007-2012 Fall	NUR 2049/3049 Research Seminar	1	~8	PhD	Research Presentation
2007-2013 Summer	NURSAN 2760 CRNA Role Seminar	5	~35	MSN	1) Doctoral Study 2) Volunteer Anesthesia; 3) Research Review: Comprehensive Exam
2007-2016 Fall & Spring	NURSAN 2700 Basic Principles of Anesthesia	11	20-25	MSN	1) Opioids 2) Endocrine 3) Liver Disease 4) Autonomic Nervous system Drugs, 5) Pharmacology principles

2007-2011 Fall	NUR 2900 Basic Science of Care	0.5	~15	DNP	Presentation of mu opioid research
2007-2011 Fall & Spring	NUR 0067 Nursing Research: Introduction to Critical Appraisal and Evidence Based Practice	0.5	~20	BSN	Presentation of mu opioid research
2007 Spring	NUR 1610 Applied Physiology for Clinical Practice	6	~20	RN-Options	1) Fluid & Electrolytes, 2) Endocrine
2006-2016 Fall & Spring	NURSANS 2701 Chemistry and Physics of Anesthesia	8	20-25	MSN	1) O <sub>2</sub> Transport, 2) Thermoregulation, 3) Osmosis, Diffusion, Solubility
2006-2010 Spring	NURSANS 2750 Advanced Principles III	2	~40/yr	MSN	Trauma Workshop
2006-2018 Fall	NUR 0020 Pathophysiologic Foundations of Nursing Care	8	~ 130	BSN	1) Genetics, 2) Pain, Temperature, Sleep, 3) Hematopoiesis, 4) Host Defense, 5) Endocrine
2006 & 2008 Summer	NUR 3110 Research Instrumentation	1	~6	PhD	Physiologic Measures
2006-2007 Spring	NURSANS 2750 Advanced Principles III	32	~35	MSN	Simulation
2006-2007 Fall & Spring	NUR 1610 Applied Physiology for Clinical Practice	6	4-15 UPO ~15 UPJ	RN-Options	1) Cellular Pathophysiology, 2) Fluid & Electrolytes, 3) Endocrine
2006 Summer	NURSANS 2730 Advanced Principles I	2	8	MSN	Fiberoptic Bronchoscopy Workshop
2006 Summer	NURSANS 2760 CRNA Role Seminar	1	44	MSN	Third World Anesthesia
2006 Spring	NURSANS2720 Applied Physiology & Pathophysiology	11	39	MSN	1) Endocrine, 2) Respiratory Physiology
2006 Fall	NURCNS 2852 CNS Clinical Practicum 2	2	5	MSN	Journal Club
2006 Fall	NUR 3016: Theoretical Foundations for Nursing Research	3	10	PhD	Theory Underlying Physiological Research
2006 Fall	NURNP 2106 & NURSP 2191 Clinical Emphasis: Critical Care	2	10	MSN	Journal Club
2005-2015 Fall & Spring	NURSANS 2700 Basic Principles of Anesthesia	24	~20	MSN	Simulation & Airway Workshops
2005-2015 Summer	NURSANS 2730 Advanced Principles I	8	30-40	MSN	Regional Anesthesia Workshop
2005-2010 Fall	NURSANS 2740 Advanced Principles II	2	53	MSN	Care of the Patient having a Carotid Endarterectomy
2005-2010 Fall, Spring & Summer	NUR 2004 Advanced Pathophysiology Across the Lifespan	6	50-110	MSN	1) Inflammation and Infectious Diseases, 2) GI Pathophysiology
2005-2010 Fall & Spring	NUR0082 Nursing Mgt of the Adult with Acute/Chronic Health Problems	2	~110	BSN	Host Defense

2005-2021 Spring	NURSAN 2750 Advanced Principles III	12	~16	MSN & Anes. Reside nt	Anesthesia Crisis Leadership Training
2005-2021 Fall & Spring	NURSAN 2701 Chemistry and Physics of Anesthesia	6	~20	MSN	Gas Machine Workshop
2005-2006 Spring	NURSAN2720 Applied Physiology & Pathophysiology	18	35-40	MSN	Simulation
2005-2006 Fall	NURSAN 2700 Basics of Anesthesia	11	~35	MSN	1) Opioids, 2)Endocrine, 3)Fluid & Blood Management, 4)Autonomic Nervous System Medications, 5) Preoperative and Peri- operative Medications
2005 Fall	NURSAN 2701 Chemistry and Physics of Anesthesia	6	~40	MSN	1) Thermoregulation
2005	NUR1127/1128 Community Nursing Theory	1	50	BSN/ RN Option s	Immunology and Inflammatory Response
2004-2008 Spring	NURCNS 2850 CNS Role Implementation	3	5	MSN	Research Utilization and Evidence Based Practice
2004-2008 Summer	NURSAN 2731 Applied Pharmacology	3	20-40	MSN	Journal Club
2004-2007 Summer	NUR 2025 Physical Diagnosis	9	7	MSN	Rounding Group
2004 Fall	NUR1127/1128 Community Nursing Theory	1.5	~ 50	BSN	Infect Disease & Immunity
2004 Fall	NURSAN 2700 Basic Principles of Anesthesia	10	44	MSN	1) Fluid & Blood Management, 2) Opioids, 3) Preop & Peri- operative Medications, 4)Endocrine
2004 Spring	NUR 0081 Foundation of Nursing Practice II	45	21	BSN	Skills Lab
2004 Fall	NURSAN 2701 Chemistry and Physics of Anesthesia	3	28	MSN	Thermoregulation

### Bachelor's Honors Thesis

Joanna McKee, Barriers to Quality Medical Care for Mexican Immigrants in Pittsburgh. Thesis **Committee Chair**, 2005-2007. Ms. McKee is currently a staff nurse working in an Emergency Department in Philadelphia.

Indira Gowda, Genotypic variations and frequencies of OPRM1 by race/ethnicity group in orthopedic trauma patients. Thesis **Committee Chair**, 2008-2009. Dr. Gowda is a physician in New York City.

Andrea Pennett, Risk factors for respiratory depression in postoperative orthopedic trauma patients. **Committee Chair**, 2012-2014.

Grace Paik, Is temporal artery thermometry a useful indicator of core body temperature in patients receiving general anesthesia? **Committee Member** 2017-2018. Grace Paik is a nurse anesthesia student at the University of Pittsburgh.

Chloe Minahan, Development of an Infection Prevention and Control Instrument for Evaluation of Knowledge, Attitudes and Skills in Nurses in Cambodia. **Committee Chair**, 2018-2020. Chloe Minahan is a staff nurse in the Cardiothoracic ICU at UPMC Presbyterian in Pittsburgh.

Suzann Shockey, Chronic Symptoms and Quality of Life in Individuals with Malignant Hyperthermia Susceptibility. **Committee Chair**, 2020 to 2022.

### **Master's Theses**

Diane Pringle, Gender Differences in Denial and Health Locus of Control Following Acute Myocardial Infarction, **Committee Member**, 1993-1994. Ms. Pringle is the executive director of the Joyce Murtha Breast Care Center of Windber Medical Center, Windber Pennsylvania.

Mika Sasabuchi, An integrative review of antimicrobial management of secondary infection associated with hirudiniasis (wild leech infestation). **Thesis Advisor, 2018-2020**. Master of Science Programme in International Health. Institute of Tropical Medicine and International Health Charité – Universitätsmedizin Berlin Germany.

### **DNP Projects**

Krista Bragg, Health Care Provider Perceptions of Barriers to the Surgical/Procedural Time Out Process. **Capstone Advisor**.

Laura Palmer, Comparison of Nurse Anesthesia Student 12 Lead EKG Knowledge, Attitude and Interpretation Skill (KAS): Traditional Instruction vs. Asynchronous Online Video Lecture. **DNP Capstone Chair**. Dr. Palmer has retired as the Assistant Director in the Nurse Anesthesia Program at the University of Pittsburgh School of Nursing.

Suzanne Morrison, Retrospective Analysis of the Relationship of Perioperative Hyperglycemia and Postoperative Complications in Patients Undergoing Vascular Surgery. **DNP Capstone Chair**. Suzanne is the Chief CRNA at the Sewickley GI Center.

Kate Hammond, Nurse Anesthesia Education Program in Belize. **DNP Capstone Chair**. Dr. Hammond is currently a nurse anesthetist at the VAMC in Philadelphia.

Kristen Praesel Lang, Informing Nurse Anesthetists in Pennsylvania about Medicare and Medicaid Policies. **DNP Capstone Chair**. Dr. Praesel Lang is currently a nurse anesthetist at Johns Hopkins Medical Center in Baltimore Maryland.

Elyse Tedeschi, Reducing the Incidence of Post-Operative Complications With The Use of Sugammadex vs. Typical Reversal Agents After General Anesthesia. **DNP Project Committee Member, 2017-2019**.

Sarah Deslate, Implementation of STOP-BANG as a pre-procedure risk assessment tool in predicting intra-procedure adverse events in a gastrointestinal laboratory. **DNP Project Chair, 2017-2019**.

Sheila Mickels, Protocol for the Treatment of Malignant Hyperthermia in the ICU: A QI Project. **DNP Project Chair, 2017-2019**.

Sam Bido, An Exploratory Analysis of Anesthesia Related Barriers to Breast-feeding Success in Patients after Cesarean Section. **DNP Project Chair, 2017-2019.**

Cigi Henderson, Improving CRNA Readiness and Confidence in Managing Patients with Malignant Hyperthermia by Implementing an In-Situ Simulation Protocol. **DNP Project Chair, 2017-2019.**

Janelle Pickering, Practice Protocol for the Treatment of Malignant Hyperthermia in the Post-Anesthesia Care Unit: A Quality Improvement Project. **DNP Project Committee Member, 2017-2019.**

David St. Germain, Improving the Transmission of Information During Intraoperative Handover by Student Nurse Anesthetists Utilizing a Standardized Checklist. **DNP Project Committee Member, 2017-2019.**

Josh Bentzen, Development of Preoperative Anesthesia “Just-in-Time” Guidelines for Cardiac Transplant Patients undergoing Noncardiac Surgery. **DNP Project Committee Member, 2017-2019.**

Diana Sohn, Identifying Barriers to Screening for Obstructive Sleep Apnea Using the STOP-Bang Questionnaire. **DNP Project Committee Member, 2017-2019.**

Angela Murphy, Systematic Review of Anesthetic Recommendations for Parturients with Fontan Palliation. **DNP Project Chair, 2018-2020.**

John Jones, Decreasing the incidence of hypoxia and airway maneuvers during GI procedures assisted with Propofol sedation using High Flow Nasal Cannula. **DNP Project Chair, 2021.**

Joey Ferriero, Improving the Flow of a Massive Transfusion Protocol. **DNP Project Chair, 2020.**

Sophia Yang, Identifying Barriers to Patient Pre-operative Hydration as Recommended by ERAS Protocols. **DNP Project Chair, 2018-2021.**

Kellie Koshute, Measuring Compliance with Goal Directed Fluid Resuscitation within the Enhanced Recovery After Surgery Pathway: Identifying Barriers and Recommendations for Practice Change. **DNP Project Chair, 2018-2020.**

Kelsey Dimond, Barriers to Provider Compliance with Intrathecal Morphine Administration in Patients Enrolled in Enhanced Recovery After Surgery (ERAS) Protocols. **DNP Project Chair, 2018-2020.**

Alyssa Smith, Donating Dantrolene: Development and Implementation of a Malignant Hyperthermia Program in a Scarce Resource Setting. **DNP Project Committee, 2018-2020.**

Kelly Faddish, Needlestick and Sharps Injuries Amongst Healthcare Workers in Cambodian Hospitals. **DNP Project Chair, 2018-2020.**

Keri Fortune, Mobile Application Development to Support Anesthetic Recommendations for Parturients with Fontan Palliation. **DNP Project Chair, 2018-2020.**

Madison Betsker, How do patients with a history of Malignant Hyperthermia with chronic signs and symptoms perceive their impact on quality of life? **DNP Project Chair, 2019-2021.**

Sarah Ignelzi, Assessment of Knowledge, Confidence and Skills of Anesthetic Providers Following Use of a Mobile Application for Anesthetic Guidelines of Parturients with Fontan Palliation. **DNP Project Chair, 2019-2021.**

Sarah Kempel, Effects of education on the use of high flow nasal cannula by nurses and nurse anesthetists in high risk patients in the gastrointestinal laboratory. **DNP Project Chair, 2019-2021.**

Marcus Knight, Improving the flow during a massive transfusion protocol (MTP), education of nurse anesthetists about large bore intravenous catheters and elimination of flow restrictors. **DNP Project Chair, 2019-2021.**

Connor McClellan, Evaluation of the healthcare provider's hand hygiene practices and infection control attitudes. **DNP Project Chair, 2019-2021.**

Alexandra Uram, Identifying difficult intravenous access in presurgical patients with a modified telephone version of the enhanced adult difficult intravenous access Screening Tool. **DNP Project Chair, 2019-2021.**

Jennifer Vaccaro, Military Veterans and Emergence Delirium Screening. **DNP Project Chair, 2019-2021.**

Brittney Deslandes, Nursing workforce characteristics and effect on patient outcomes in low-middle income countries. **DNP Project Committee, 2019-2021.**

Maria Ochoa Carrillo, Protocol for treatment of malignant hyperthermia (MH) in the electroconvulsive therapy (ECT) lab: A quality improvement project. **DNP Project Committee, 2019-2021.**

Grace Paik, Exploring the Incidence of Postoperative Hypothermia in Pediatric Surgical Patients Receiving General Anesthesia. **DNP Project Chair, 2020-2022.**

Julie Koenig, Needlestick and Sharps Injuries Amongst Healthcare Workers in Cambodian Hospitals. **DNP Project Chair, 2020-2022.**

Meredith Scheier, The assessment of intraoperative ketamine use in orthopedic surgical patients and its effect on post-operative pain scores, cumulative morphine consumption, and nausea and vomiting. **DNP Project Chair, 2020-2022.**

Shahnaz Monea, Use of Ultrasound-Guided Peripheral Intravenous (USGIV) Catheter Insertion in Perioperative Adult Populations with Difficult Vascular Access (DIVA) to Improve Knowledge, Confidence and Skills of Nurse Anesthetists Using a Guidewire Approach. **DNP Project Chair, 2020-2022.**

Marissa Palmer, Implementation of high-flow nasal cannula (HFNC) use to reduce the incidence of airway maneuvers in same day surgery patients screened for obstructive sleep apnea (OSA) receiving procedural sedation. **DNP Project Chair, 2020-2022.**

Sara Chelola, Development, Implementation, and Evaluation of an AirWave External Airway Management Device Educational Module for Certified Registered Nurse Anesthetists. **DNP Project Committee Member 2020-2022.**

Tristan Jarrett, Anesthesia quality improvement at Lao Friends Hospital for Children. **DNP Project Committee Member 2021-2023.**

Grishma Patel, Use of Ultrasound-Guided Peripheral Intravenous (USGIV) Catheter Insertion GI Lab. **DNP Project Chair, 2021-2023.**

Danielle Ferriero, Postoperative pain quality improvement at Lao Friends Hospital for Children. **DNP Project Chair, 2021-2023.**

Andrew Rauth, Evaluation of Practice Standards at 2 hospitals in Cambodia. **DNP Project Chair, 2021-2023.**

Nathan Casey, Implementation of the EA-DIVA screening instrument at UPMC-Presbyterian. **DNP Project Chair, 2021-2023.**

Lexi Monti, Implementation of a temperature management policy to improve the incidence of hypothermia in pediatric surgical patients. **DNP Project Committee Member 2021-2023.**

Erin Savage, Infection prevention and control in the operating theatre at Lao Friends Hospital for Children. **DNP Project Committee Member 2021-2023.**

### **PhD Dissertations**

Cheryl Hettman, Measurability of the Mismatch Negativity Component of the Auditory Evoked Response During Sedation Anesthesia, **Committee Member**, 1995-1996. Dr. Hettman is currently an Associate Professor in the Department of Nursing at California University of Pennsylvania, California PA.

Betsy George, The Effect of Positioning on Oxygenation in Single Lung Transplant Recipients, **Committee Member**, 1998-1999. Dr. George is a Critical Care Clinical Nurse Specialist at UPMC-Presbyterian Hospital in Pittsburgh PA.

Amy McClune, Quality of Life after Lumbar Spinal Fusion, **Committee Member**, 1996-2001. Dr. McClune is an Assistant Professor in the Department of Nursing at Edinboro University of Pennsylvania, Edinboro PA.

Margaret Carno, Circadian Rhythms in the Pediatric Intensive Care Unit, **Committee Member**, 2000-2002. Dr. Carno is an Assistant Professor in the School of Nursing at the University of Rochester in Rochester New York.

Jiyeon Choi, Exhaled Nitric Oxide in Patients with Interstitial Lung Disease: A Pilot Study, **Committee Member**, 2007-2008. Dr. Choi is currently an Assistant Professor Yonsei University in Seoul Korea.

Matthew Gallek, Endothelin-1 Polymorphisms and Endothelin-1 Cerebrospinal Fluid Protein Expression and their Relationships to Cerebral Vasospasm and Long-Term Outcomes in Individuals Following Aneurysmal Subarachnoid Hemorrhage, **Dissertation Chair**, 2003-2008. Dr. Gallek is an Associate Professor at the University of North Carolina Wilmington.

Taura Barr, Gene Expression Profiling in Human Acute Ischemic Stroke. **Committee Member**, 2007-2009. Dr. Barr is an Assistant Professor in the Center for Neuroscience at West Virginia University in Morgantown West Virginia.

Sue Wesmiller, The Association of CYP2D6 and mu-Opioid Receptor Genotypes and Postoperative Nausea and Vomiting, **Dissertation Chair**, 2008-2010. Dr. Wesmiller is an Assistant Professor at the University of Pittsburgh in Pittsburgh Pennsylvania.

Heba Khalil, *COMT* and *OPRM1* Gene-Gene Interaction Effects on The Inter-individual Variability in Postoperative Pain and Response to Opioids. **Dissertation Chair**. 2010-2015.

Stephanie Helman, Impact of hypothermia in neonates during surgical procedures on host defense. **Co-Advisor**. 2018 to present.

Shoko Askakawa, Nursing care of patients from abroad in an emergency setting in Japan. **Dissertation Committee Member**, Keio University Visiting Professor, 2020-2023.



### Service

#### **University of Pittsburgh Committees**

2021-2022	Faculty Senate Appeals Committee
2020 & 2021	Sheth Award for International Service Committee
2020	Pitt Seed Grant Reviewer
2009-11, 17-19, 21-22	Member, Faculty Senate
2008-10	Chancellor's Distinguished Teaching Award Committee
2008-11, 2016-22	Member, Faculty Assembly
2004-09	Hearing Officer, Office of Student Conduct
2004-05	Electronic Portfolio Committee, CIDDE
2004	Subcommittee – Functional Requirements for E-Portfolios
2003-07	University of Pittsburgh Senate Elections Committee
2001-02	Advisory Board, Center for Biomedical Informatics and Center for Continuing Education in the Health Sciences Information Technology to Advance Education.
2000-01	School of Nursing Dean Search Committee
2000	University Council on Graduate Study
1999	Provost's Advisory Committee on Undergraduate Programs
1997-1998	Center for Instructional Development and Distance Education Conferencing Software Committee

#### **University of Pittsburgh School of Nursing Committees**

2021-2022	Chair – Holistic Admissions DNP Council Task Force
2015-present	DNP Project Topic Approval Committee
2014-2016	Refreshing the Curriculum Task Forces Leadership, Global Health, Communication
2014	Nurse Anesthesia Department Promotion Committee
2014-2018	Admission Progression & Graduation Committee
2016-2018	PhD E-portfolio Task Force, Chair
2013-2017	DNP E-portfolio Task Force, Chair
2012-2013, 2018-21	Evaluation Steering Committee
2011	DNP to PhD Task Force
2009-10	Faculty Mentorship Task Force
2008-09	International Education Task Force
2007-08, 2016-2017	Co-Chair PhD Progression and Graduation Committee
2008-present	DNP Council
2006-08	DNP Implementation Task Force
2006-08, 2015-2018	PhD Progression and Graduation Committee
2006-07	Co-Chair of the DNP/MSN Council
2005-06	Co-Chair of the DNP Implementation Task Force
2005	Hoffman Research Award Selection Committee
2005-06	Evidence Based Practice Task Force
2004-05	Ad Hoc Reappointment Committee
2004-05	Doctor of Nursing Practice Curriculum Task Force
2003-04	BSN Benchmarks Task Force
2002-03	Accelerated Program Task Force
2002	Academic Integrity Committee
2001-02	Anatomy Task Force
2000	Scholarship Review Committee
1999, 2003-2012	Dean's Council
1999-2000	Co-Chair, Faculty Staff Welfare Committee
1999-present	MSN Council
1999-2006	BSN Council

1998-1999	Faculty Staff Welfare Committee
1997-1998	Chair, Advanced Role MSN Task Force
1996-1997, 2004-05	Ad Hoc Reappointment Committee
1996-1997	Strategic Planning Committee
1996-1997	Planning and Budget Committee
1996, 1999, 2004, 2006, 2013, 2021	Dean's Distinguished Teaching Award Committee
1995-2001	PhD Curriculum Committee
1993-1998	Learning Resource Center Committee
1993-1994	Professional Education Committee
1993-present	PhD Council

### **Other Professional Activities**

2015-2019	Volunteer, Health Volunteers Overseas, Provided didactic and clinical instruction for the anesthesia trainees. Lao Friends Hospital for Children, Luang Prabang, Lao.
2009-2017	Volunteer, Health Volunteers Overseas, Taught anesthesia staff and worked on the development of the Nurse Anesthesia Program and Anesthesiology Residency program at the Royal Institute of Health Sciences and Jigme Dorji Wangchuk National Referral Hospital in Thimphu Bhutan.
2006-2020	Volunteer, Health Volunteers Overseas, Washington, D.C. Provided hands on anesthesia care. Supervised teaching by nurse anesthetists at Angkor Hospital for Children of nurse anesthesia students from the University of Pittsburgh.
2007	Volunteer, Health Volunteers Overseas, Washington, D.C. Program site assessment of the Jigme Dorji Wangchuk National Referral Hospital in Thimphu Bhutan.
2005 & 2007	Volunteer, Health Volunteers Overseas, Washington, D.C. Taught anesthesia staff, nursing staff and provided anesthesia care at Sihanouk Hospital Center of Hope in Phnom Penh, Cambodia.
2004 & 2006	Judge, Pittsburgh Public Schools Science Exposition
2002-2003	Innovation Unit Steering Committee, University of Pittsburgh Medical Center
1996-97	Member, Children's Hospital of Pittsburgh Nursing Research Council