

CURRICULUM VITAE

Lois A. Connolly MD

**Professor
Department of Anesthesiology
Division of Clinical**

OFFICE ADDRESS:

Froedtert Hospital
9200 W Wisconsin Ave
Milwaukee, WI 53226

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/1984 - 06/1985 Internship, Anesthesiology, Medical College of Wisconsin Affiliated Hospitals, Milwaukee, WI
07/1985 - 06/1987 Residency, Anesthesiology, Medical College of Wisconsin Affiliated Hospitals, Milwaukee, WI
03/2001 Capstone for Certificate in Medical Management, American College of Physician Executives, Carnegie Mellon University, Pittsburgh, PA
08/2017 - Present Fellow of the American Society of Anesthesiologists
03/30/2021 - Present Fellow of the American College of Healthcare Executives

FACULTY APPOINTMENTS:

07/1987 - 07/1998 Assistant Professor, Department of Anesthesiology, Medical College of Wisconsin, Milwaukee, WI
07/1998 - 07/2007 Associate Professor, Department of Anesthesiology, Medical College of Wisconsin, Milwaukee, WI
07/2007 - Present Professor, Department of Anesthesiology, Medical College of Wisconsin, Milwaukee, WI
04/01/2019 - Present Tenure, Anesthesiology, Medical College of Wisconsin

ADMINISTRATIVE APPOINTMENTS:

11/1997 - 03/2003 Clinical Director, West OR, Department of Anesthesiology, Froedtert Memorial Lutheran Hospital, Milwaukee, WI
03/2003 - 2017 Chief of Anesthesiology Services, Froedtert Memorial Lutheran Hospital, Milwaukee, WI
04/01/2015 - Present Medical Director, Masters of Science in Anesthesia, Medical College of Wisconsin, Milwaukee, WI
07/2017 - 01/2019 Vice Chair - Advanced Practice Providers, Anesthesiology, Medical College of Wisconsin

SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
Anesthesiology	09/1989	None

<u>Certificates</u>	<u>Issued By</u>	<u>Issue Date</u>	<u>Expiration</u>
Fellow of American College of Healthcare Executives	American College of Healthcare Executives (ACHE)	03/30/2021	None

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
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AWARDS AND HONORS:

- 1978 - 1979 Phi Beta Kappa
- 1983 - Present Alpha Omega Alpha, National Medical Honor Society
- 12/1990 Educational Award, Postgraduate Assembly, New York
- 2004 - 2005 "America's Top Physicians", www.consumersresearchcncl.org
- 2005 - 2021 "Best Doctors" Award, www.bestdoctors.com/bd/bdamerica.htm
- 2010 - 2016 "America's Top Physicians", www.consumersresearchcncl.org
- 09/2016 Distinguished Service Award, Wisconsin Society of Anesthesiologists

LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

- 1993 - Present Member, Medical Advisory Committee, Southeastern Wisconsin Regional Blood Bank - Versiti
- 2000 - Present Board of Directors, Wisconsin Society of Anesthesiologist
- 10/2020 - Present ASA District Director, Board of Directors, Wisconsin Society of Anesthesiologists

NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

- 2005 - 2018 Reviewer, Professional Liability Committee, ASA (American Society of Anesthesiologists) Closed Claims
- 2013 - 10/2020 Alternate Director, Board of Directors, American Society of Anesthesiologists
- 08/2017 - 06/2020 Liaison, Center for Improvement in Health Care Quality (CIHQ), American Society of Anesthesiologists
- 08/2017 - 06/2020 Liaison, Healthcare Facilities Accreditation Program (HFAP), American Society of Anesthesiologists
- 2017 - Present Advisory Council Member, Anesthesiologists Assistant State Advisory Council, State of WI Medical Examining Board
- 10/2018 - Present Liaison, The Joint Commission, American Society of Anesthesiologists
- 2018 - Present Reviewer and Member of the Oversight Committee, Closed Claims Registry, Anesthesia Quality Institute
- 2018 - 06/2020 Commissioner, National Commission for Certification of Anesthesiologist Assistants
- 2018 - 2021 Alternate Director Member, Board Committee on Administrative Affairs, American Society of Anesthesiologists
- 10/2019 - Present Chair, Section on Professional Standards: Oversees 7 ASA Committees: Quality Management and Departmental Administration, Patient Safety and Education, Performance and Outcomes, Professional Liability, Standards and Practice Parameters, Ethics and Expert Witness, American Society of Anesthesiologists
- 01/2020 - 07/17/2021 Chair of meeting, Quality and Patient Safety Meeting, American Society of Anesthesiologists
- 02/04/2020 - Present Member, ASA Committee on Professional Development, American Society of Anesthesiologists
- 10/2020 - Present Member, Committee on Innovation, American Society of Anesthesiologists
- 10/2020 - Present Member, Board of Directors, Anesthesia Quality Institute
- 10/2020 - Present Member, ASA Ad Hoc Committee on Nomenclature and Endorsement Process, American Society of Anesthesiologists
- 10/2020 - Present Member, Committee on Professional Education Oversight, American Society of Anesthesiologists
- 10/2020 - Present Director, WI, Board of Directors, American Society of Anesthesiologist

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:**Active****Peer Review**

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|---------|---|
| Title: | Developing an Anesthesiologist Assistant Program at MCW |
| Source: | Advancing a Healthier Wisconsin |

	Endowment
Role & Effort:	Co-investigator - 2017 PI 2018-2019
PI:	Dr. David Warltier/Lois Connolly
Dates:	04/2015 - 04/2019
Direct Funds:	\$990,876

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

National

Connolly, LA, "Incorporating APPs into Our Educational Environment", Society of Education in Anesthesia, Denver, CO, 04/27/2019

Connolly, LA, Popovich, M, Roundtable AQI and Quality Reporting, ASA Practice Management, Las Vegas, NV, 01/18/2020

LA Connolly, Peer to Peer Support Roundtable, ASA Practice Management Meeting, Virtual, 01/30/2021 - Present

LA Connolly - Chair, American Society of Anesthesiologists Quality and Patient Safety Meeting, Virtual, 01/2021 - 07/17/2021

COMMITTEE SERVICE:

Medical College of Wisconsin

2010 - Present Disclosure Champion, Department of Anesthesiology on Disclosure of adverse events to patients-, Medical College of Wisconsin

2016 - 04/2020 Member, MCW Presidents APP/AHS Task Force, Medical College of Wisconsin

2017 - Present Member, Promotion and Tenure Department Committee Reviews submissions from chair on promotions, Anesthesiology, Medical College of WI

10/2020 - Present Peer Supporter, Supporting our Staff (SOS), Froedtert & Medical College of Wisconsin

Hospital

2006 - Present Member, Hospital Advisory Committee, Froedtert Memorial Lutheran Hospital

MCW TEACHING ACTIVITIES:

Resident and Fellow Education

07/15/2009 - Present Fluid Management in Neurosurgery, Neuroanesthesia PBLD every other month

08/12/2009 - Present Neuroendocrine PBLD, Neuroanesthesia PBLD every other month

2015 - 2019 Practice Management PBLD: CMS, TJC, HCAPS, VBP, etc Regulatory Overview for residents on Practice Management rotation

09/04/2019 - Present Perioperative Fluid Management Part 2: Anesthesia Intern Lecture Series given annually

09/04/2019 - Present Perioperative Fluid Management Part 1: Anesthesia Intern Lecture Series given annually

03/18/2021 Advocacy - all class lecture

EXTRAMURAL TEACHING:

Graduate Student Education

2016 - 2019 Master of Science in Anesthesia (AA Program) Medical College of WI, ANE 561: Professional Series: Value Based Care

2016 - 2019 Master of Science in Anesthesia (AA Program) Medical College of WI, ANE 561: Professionalism Series: ASA Practice Guidelines

08/08/2019 Master of Science in Anesthesia (AA Program) Medical College of WI, ANE 561 Introduction to Professional Behavior

12/05/2019 Master of Science in Anesthesia (AA Program) Medical College of WI, OSCE SAA1 Preop Interviews

05/07/2020 Master of Science in Anesthesia (AA Program) Medical College of WI, ANE 562 Value Based Care

08/18/2020 Master of Science in Anesthesia (AA) Program, ANE 561 Introduction to Professional Behavior
 10/06/2020 - 10/08/2020 Medical College of Wisconsin, PPE Training for Student Anesthesiologist Assistants Preclinical- 2 sessions
 01/19/2021 Master of Science in Anesthesia (AA) Program, ANE 542 Perioperative Fluid Management
 04/22/2021 Master of Science in Anesthesia (AA Program) Medical College of WI, ANE 542- Endocrine Series: Hypothalamus- Pituitary Axis
 04/27/2021 Master of Science in Anesthesia (AA Program) Medical College of WI, ANE 542: Endocrine Series: Endocrine Diseases: Acromegaly and Cushings Disease
 04/29/2021 Master of Science in Anesthesia (AA Program) Medical College of WI, ANE 542: Endocrine Series: Disorders of Water Balance: DI SIADH CSW
 05/04/2021 Master of Science in Anesthesia (AA Program) Medical College of WI, ANE 542: Endocrine Series: Endocrine Disorders of the Adrenal Gland: Aldosteronism, Addisons Disease, Pheochromocytoma
 05/04/2021 Master of Science in Anesthesia (AA Program) Medical College of WI, ANE 542 Endocrine Series: PBLD

MCW STUDENTS, FACULTY, RESIDENTS AND CLINICAL/RESEARCH FELLOWS MENTORED:

Residents

01/2021 - 06/2022 Randall Yale, ASA Anesthesiology Policy Research Rotation in Political Affairs, Medical College of Wisconsin, Policy Research Rotation to be completed 6/2022

PROGRAMMATIC DEVELOPMENTS:

Educational Programs

Student

09/2013 - Present Master of Science in Anesthesia - Anesthesiologists Assistant Program

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. Connolly LA. Anesthetic management of obstructive sleep apnea patients. *J Clin Anesth.* 1991;3(6):461-9.
2. Yonker-Sell AE, Connolly LA. Twelve hour anaesthesia in a patient with epidermolysis bullosa. *Can J Anaesth.* 1995 Aug;42(8):735-9.
3. Yonker-Sell AE, Connolly LA. Mortality during transjugular intrahepatic portosystemic shunt placement. *Anesthesiology.* 1996 Jan;84(1):231-3.
4. Lauer KK, Connolly LA, Schmeling WT. Opioid sedation does not alter intracranial pressure in head injured patients. *Can J Anaesth.* 1997 Sep;44(9):929-33.
5. Woodson BT, Feroah T, Connolly LA, Toohill RJ. A method to evaluate upper airway mechanics following intervention in snorers. *Am J Otolaryngol.* 1997;18(5):306-14.
6. Woehlck HJ, Dunning M 3rd, Connolly LA. Reduction in the incidence of carbon monoxide exposures in humans undergoing general anesthesia. *Anesthesiology.* 1997 Aug;87(2):228-34.
7. Woehlck HJ, Connolly LA, Cinquegrani MP, Dunning MB 3rd, Hoffmann RG. Acute smoking increases ST depression in humans during general anesthesia. *Anesth Analg.* 1999 Oct;89(4):856-60.
8. Woehlck HJ, Otterson M, Yun H, Connolly LA, Eastwood D, Colpaert K. Acetazolamide reduces referred postoperative pain after laparoscopic surgery with carbon dioxide insufflation. *Anesthesiology.* 2003 Oct;99(4):924-8.
9. Sakai EM, Connolly LA, Klauck JA. Inhalation anesthesiology and volatile liquid anesthetics: focus on isoflurane, desflurane, and sevoflurane. *Pharmacotherapy.* 2005 Dec;25(12):1773-88.
10. Stucke AG, Riess ML, Connolly LA. Hemoglobin M (Milwaukee) affects arterial oxygen saturation and makes pulse oximetry unreliable. *Anesthesiology.* 2006 Apr;104(4):887-8.
11. El-Orbany M, Connolly LA. Rapid sequence induction and intubation: current controversy. *Anesth Analg.*

2010 May 01;110(5):1318-25.

12. Zimmerman MA, Selim M, Kim J, Regner K, Saeian K, Zanowski S, Martin A, Connolly LA, Lauer KK, Woehlck HJ, Hong JC. Outcome analysis of continuous intraoperative renal replacement therapy in the highest acuity liver transplant recipients: A single-center experience. *Surgery*. 2017 May;161(5):1279-1286.
13. Zimmerman MA, Selim M, Kim J, Saeian K, Cinquegrani MP, Connolly LA, Lauer KK, Woehlck HJ, Hong JC. "Impact of a Transplantation Critical Care Model on Short-Term Outcomes Following Liver Transplantation in High Acuity Patients: A Single-Center Experience" *Transplant Proc*. 2018 Dec;50(10):3544-3548 PMID: 30577234

Books, Chapters, and Reviews

1. Lauer K, Connolly LA. "Anesthesia for minimally invasive surgery." *Laparoscopic and Thoracoscopic Surgery* Mosby,1994.
2. Connolly, L.A. "Unstable C-spine, Atlanto-axial Subluxation" *Complications in Anesthesia* Atlee editor W.B. Saunders Company, 1998.
3. Connolly, L.A. "Unstable C-spine, Atlanto-axial Subluxation" *Complications in Anesthesia* Atlee editor W.B. Saunders Company, 2005
4. *Linn, KA, Connolly, L.A. "Preoperative Evaluation and Anesthetic Considerations" *Clinical Review of Bariatric Surgery* Goldblatt and Nuttleman editor Catalyst Publishers, 2011 -In progress
5. Gollapudy, S, Connolly, L.A. "Unstable C-spine" *Complications in Anesthesia* Fleisher editor, Elsevier, in progress 2015
6. Gollapudy, S, Connolly, L.A. "Intracranial Aneurysms: Rebleeding" *Complications in Anesthesia* Fleisher editor, Elsevier, in progress 2016
7. Connolly LA. Unstable cervical spine, atlantoaxial subluxation *Complications in Anesthesia*. 2007:176-180.

Editorials, Letters To Editor, Other

1. Woehlck, H.J., Cinquegrani, M.P., Connolly, L.A. "Is coronary artery disease equivalent to ischemia?" *Anesthesiology* 94(1): 161, 2001
2. Woehlck HJ, Connolly LA. Alternative methods of orbitotracheal intubation. *Anesthesiology*. 2003 May;98(5):1304.
3. Woehlck, H, Otterson, MF, Yun, H, Connolly, LA, , et al "Using the Visual Analog Scale" Letter to Editor, *Anesthesiology* 100:1621-1622, 2004
4. Woehlck HJ, McQueen AM, Connolly LA. Off-hours unavailability of drugs during emergency situations with automated drug dispensing machines. *Can J Anaesth*. 2007 May;54(5):403-4.
5. Riess ML, Connolly LA, Woehlck HJ. Two millimeters per inch. *J Clin Anesth*. 2009 Feb;21(1):72.
6. Riess ML, Connolly LA, Woehlck HJ. Body mass index: an illogical correlate of obesity. *Anesthesiology*. 2009 Oct;111(4):920-1; author reply 921.
7. Cohen IT. Using the visual analog scale. *Anesthesiology*. 2004 Jun;100(6):1621; author reply 1621-2.
8. Woehlck H, Cinquegrani M, Connolly L. Is coronary artery disease equivalent to ischemia? *Anesthesiology*. 2001 Jan;94(1):161-2.
9. Pivalizza EG, Gottschalk LI, Cohen A, Middelbrook M, Soltes G. Anesthesia for transjugular intrahepatic portosystemic shunt placement. *Anesthesiology*. 1996 Oct;85(4):946-7.
10. Connolly LA. Unstable Cervical Spine, Atlantoaxial Subluxation *Complications in Anesthesia*. 1 January 2006:176-180.

Non-Refereed Journal Publications/Original Papers

1. Richard P. Dutton, M.D., M.B.A., FASA; Aalok V. Agarwala, M.D., M.B.A.; John W. Allyn, M.D.; Lois A. Connolly, M.D., FASA "Promoting a Culture of Safety in the ASA Guide to Anesthesia Department Administration" *ASA Monitor* 3 2019, Vol.83, 20-21. <https://monitor.pubs.asahq.org/article.aspx?articleid=2725292>
2. Lois A. Connolly, M.D.,FASA; Matthew T. Popovich, Ph.D.; Elizabeth Quill J.D "Supporting ASA Members With Quality Management & Departmental Administration Initiatives" *ASA Monitor* March 2019, Vol.83, 12-13. <https://monitor.pubs.asahq.org/article.aspx?articleid=2725276>
3. Elizabeth Rebello, M.D., FASA; Lois A. Connolly, M.D., FASA; Matthew T. Popovich, Ph.D. " Do No Harm: Finding Consensus on Medication Concentration Standardization" *ASA Monitor* March 2019, Vol.83, 18-19. <https://monitor.pubs.asahq.org/article.aspx?articleid=2725289>
4. Elizabeth Rebello, M.D., FASA; Lois Connolly, M.D., FASA; H. A. Tillmann Hein, M.D., Ph.D.; Matthew T.

Popovich, Ph.D. "Long-awaited United States Pharmacopeia (USP) General Chapter <797> Revisions Explained: The One-Hour Rule will No Longer be in Effect" *ASA Monitor* 2019;83(9):70
<https://monitor.pubs.asahq.org/article.aspx?articleid=2748868>

Abstracts

1. Munshi C, Connolly LA: "Comparison of laser resistant wrapping of red rubber endotracheal tubes subjected to CO2 and KTP laser." *Anesth Analg* 76(25):S279, 1993.
2. Munshi CA, Connolly LA. "Comparison of Xomed Treace Laser Shield II and Sheridan Laser Trach laser resistant endotracheal tubes subjected to carbon dioxide laser." *Anesthesiology* 81(3A):A492, 1994.
3. Connolly LA, Coon RL, Clifford PS. "Pressor response elicited by obstructed breaths." *FASEB Journal* 9(4):A897, 1995.
4. Connolly LA, Coon RL, Clifford PS. "Obstructed breathing causes tracheal constriction." *ATS Conference*, May 1995, *Am J Resp Crit Care Med* 151(4):A816, 1995.
5. Feroah T, Woodson BT, Connolly L. "Pressure area relationship of the retroglottal segment of the upper airway." *Am J Resp Crit Care Med* 151(4):A371, 1995.
6. Connolly LA. "Pulmonary complications following free flap reconstructive surgery." *Anesth Analg* 82(2S): S71, 1996.
7. Woehlck, H.J., Dunning, M.B., Connolly, L.A. "Reduction in the incidence of carbon monoxide exposures in humans undergoing general anesthesia." *Anesthesiology* 85(3A):A1017, 1996.
8. Woehlck, HJ, Connolly, LA, Dunning MB. "Acute smoking increases myocardial ischemia during general anesthesia in humans." *Anesthesiology* 87(3A):A1020, 1997
9. Woehlck, HJ, Connolly, LA, Colpaert K. "Interference of HIPAA Regulations with Research on Preoperative Smoking Habits and Effects." *Anesthesiology* 103: A1201, 2005.
10. Connolly, LA, Colpaert KD, Berens, R. "Compliance in a self-reporting quality improvement system." *Anesthesiology* 103: A1101, 2005.
11. Riess, ML, Stucke, AG, Connolly, LA. "Hemoglobin M (Milwaukee) affects arterial oxygen saturation and makes pulse oximetry unreliable." *Anesthesiology* 103:A921, 2005.
12. Connolly, LA, Lauer, K, Colpaert KD "Increases in Body Mass Index Correlate to Increasing Perioperative Event" *Anesthesiology* 105:A992,2006
13. Davis, SN, Heidi Smith, H, Woehlck, H, Connolly, LA "Cost savings through implementation of low-flow inhalation in general anesthesia" *ACCP Annual Meeting (October 19-22, 2008) in Louisville, KY*
14. M. Selim, M. Zimmerman, J. Kim, K. Regner, D. C. Cronin, K. Saeian, L. A. Connolly, K. K. Lauer, H. J. Woehlck, J. C. Hong "Outcome Analysis of Intraoperative Hemodialysis in the Highest Acuity Liver Transplant Recipients", *ASC20161353, 11th Annual Academic Surgical Congress, Feb. 2016, Jacksonville, FL*
15. Zimmerman MA, Selim M, Kim J, Pearson T, Eriksen C, Wong M, Saeian K, Boettcher B, Cinquegrani MP, Connolly LA, Lauer KK, Woehlck HJ, Hong, JC. "Impact of a specialized transplant critical care model on short-term outcomes following liver transplantation in high acuity patients", *Society of University Surgeons (SUS), 13th Annual Academic Surgical Congress, Jan. 2018, Jacksonville, FL*