

# Diane Gordon, MD

University of Colorado Department of Anesthesiology  
Children's Hospital Colorado

## Appointments

2020 - Present Associate Professor, University of Colorado  
Department of Anesthesiology

2018 - 2020 Assistant Professor, University of Colorado  
Department of Anesthesiology

2011 - 2018 Assistant Professor, Cincinnati Children's Hospital Medical Center  
Department of Anesthesia

2011 - 2018 Assistant Professor of Clinical-Affiliate, University of Cincinnati  
Department of Anesthesiology

2010 (Jul-Oct) Adjunct Instructor, University of Utah Health Science Center  
Department of Anesthesiology

## Education

1997 - 2001 Bachelor of Arts in Biology, with honors  
Saint Mary's University of Minnesota, Winona MN

2002 - 2006 MD: University of New Mexico School of Medicine, Albuquerque NM

2006 - 2007 Internship: Internal Medicine (Preliminary Year)  
University of New Mexico Health Sciences Center, Albuquerque NM

2007 - 2010 Residency: Anesthesia  
University of Utah Health Sciences Center, Salt Lake City UT

2010 - 2011 Fellowship: Pediatric Anesthesia  
Cincinnati Children's Hospital Medical Center, Cincinnati OH

## Board Certification

2011 Diplomate of the American Board of Anesthesiology  
Certificate number 47086. Renewed 2021.

2013 Pediatric Anesthesia Subspecialty Board Certified

## Leadership and University Service

12/2021 - present Committee Member, ASA Committee on Environmental Health

2020 - present	Chair, Society for Pediatric Anesthesia Special Interest Group for Sustainability
2020 - present	Sustainability Liaison, Department of Anesthesiology
2019 - present	Sustainability Clinical Champion, Department of Anesthesia, Children's Hospital Colorado
2012 - 2021	Member, ASA Environmental Health Task Force (this has become the Committee on Environmental Health- see above)
2016 - 2018	Co-Chair, Employee Sustainability Interest Group, Cincinnati Children's Hospital Medical Center, Cincinnati OH
2015 - 2018	Sustainability Liaison for the Operating Room and Anesthesia, Cincinnati Children's Hospital Medical Center, Cincinnati OH
2012 - 2018	Assistant Director, Same Day Surgery and Pre-Anesthesia Consult Clinic, Cincinnati Children's Hospital Medical Center, Cincinnati OH
2012 - 2018	Night Call team leader, Cincinnati Children's Hospital Medical Center, Cincinnati OH
2012 - 2018	Department of Anesthesia Education Committee, Cincinnati Children's Hospital Medical Center, Cincinnati OH

## Publications

### Peer Reviewed Journal Articles

1. **Gordon, D.** (2019) Peds Lecture 10.2 Vascular Access in Pediatric Patients. Anesthesia Education Toolbox <https://www.anesthesiatoolbox.com/docs/DOC-4546>  
Published 04/22/2019
2. **Gordon D,** Hosu L, Agabegi S, Sturm P, Sadhasivam S. Brain herniation due to Syndrome of Inappropriate Anti-Diuretic Hormone secretion (SIADH) after posterior spine fusion. *Pediatric Anesthesia.* 2013; 23:875–6.

### Chapters

1. **Gordon D.** Sustainability in the OR: Reducing our impact on the planet. In: *Anesthesiology Clinics on Pediatric Anesthesia.* 2020. Olbrecht V, Perate A eds. Elsevier.
2. **Gordon D,** Chatterjee D. Perioperative Corticosteroids. In *Manual of Clinical Anesthesiology.* 2<sup>nd</sup> edition 2019. Chu L, Kurup V, Traynor A eds. Lippincott publishers.
3. **Gordon D,** Sjoblom M, Aronson L. Panhypopituitarism. In: *Clinical Pediatric Anesthesia: A Case-Based Handbook.* 2nd Ed. Williams ES, Olutoye OA, Seipel CP, Aina TAO, Eds.

Oxford University Press, 2018; pp. 269-274.

4. **Gordon D**, Sjoblom M, Aronson L. Anaphylaxis. In: Clinical Pediatric Anesthesia: A Case-Based Handbook. 2nd Ed. Williams ES, Olutoye OA, Seipel CP, Aina TAO, Eds. Oxford University Press, 2018; pp. 49-54.
5. **Gordon D**, Morillo-Delerme J. Difficult Airway. In: Handbook of Critical Incidents and Essential Topics in Pediatric Anesthesiology, 1st Ed. Young DA, Olutoye OA, Eds. Cambridge: Cambridge University Press, 2015; pp. 11-13.
6. **Gordon D**, Morillo-Delerme J. Regional Anesthesia techniques: Peripheral. In: Handbook of Critical Incidents and Essential Topics in Pediatric Anesthesiology, 1st Ed. Young DA, Olutoye OA, Eds. Cambridge: Cambridge University Press, 2015; pp. 227-230.

## **Presentations**

### **External:**

Learning to be Green: Reducing the Environmental Impact of Anesthesia  
American Osteopathic College of Anesthesiologists, Mid-year review, 3/2023

Reusable vs Disposable- Using LCA to determine environmental impact  
Visipap lecture for Children's Hospital Los Angeles, 2/2023

The Invisible Problem With Anesthetic Gases: Environmental and Economical  
Considerations of Inhaled Anesthesia (Low Flows).  
SNAP talk, American Society of Anesthesiologists, accepted 10/2020 (deferred),  
accepted 10/2021 (deferred), presented 10/2022

Better than a Tesla- cheaper and more effective ways to reduce your environmental  
impact  
Colorado Society of Anesthesiologists- 10/2022

Reducing the Environmental Impact of Anesthesia  
Fellows Lecture, Boston Children's 6/2022

Reducing the Environmental Impact of Your Anesthetic  
Fellows Lecture, Texas Children's 3/2022

Doing Your Part: How to Reduce the Environmental Impact of Your Anesthetic; Easy  
Practice Changes That Make a Big Difference  
SPA Workshop Moderator, 3/2022

Culture Change and Anesthetic Gas Recapture  
Society for Technology in Anesthesia, 1/2022

Anesthesia Sustainability 101: Why and how to reduce our environmental impact.  
Grand Rounds, Cincinnati Children's 8/2021

Environmental Impact of Anesthesia  
[Open anesthesia grand rounds](https://vimeo.com/560933585) 6/2021 <https://vimeo.com/560933585>

Eliminating desflurane for environmental and cost savings  
Poster presentation, Society for Pediatric Anesthesia 2/2021

Greening the Operating Room: Easy Sustainability Projects that Decrease  
Environmental Impact and Decrease Costs  
Workshop moderator, Society for Pediatric Anesthesia 2/2021

Powell L, **Gordon D.** Wildfires, Air Quality and Adverse Perioperative Respiratory  
Events: A case series.  
Poster presentation, Society for Pediatric Anesthesia 2/2021

Covid-19 and Climate Change: Leveraging the Pandemic in our Fight Against the  
Biggest Public Health Threat of the 21st Century  
Visiting Scholars in Pediatric Anesthesia Program (ViSiPAP). Texas  
Children's Hospital 1/2021.

Environmental Considerations for Anesthesia: Decreasing impact and cost  
Grand Rounds, Tower Health, Reading Pennsylvania 12/2020

Defining and Decreasing the Environmental Impact of Anesthesia  
Grand Rounds, Children's Hospital of Philadelphia 8/2020

Treading Lighter: Reducing the Environmental Impact of Your Anesthetic  
Society for Pediatric Anesthesia 10/2019

How to Green Your Operating Room: Implementation Strategies, Barriers and  
Solutions.  
Interactive Tutorial Speaker, American Society of Anesthesiologists 10/2019

Reducing the Environmental Impact of Pharmaceutical Waste in the Operating  
Room  
CleanMed 5/2018

How to Green Your Operating Room: Implementation Strategies, Barriers and Solutions: Starting a Multidisciplinary Green Team-- All Hands on Deck. Workshop moderator, American Society of Anesthesiologists 10/2019

**Diane Gordon**, Thomas Kinman. Sustainable Practice and Energy Savings Through Setbacks of OR Heating, Ventilation and Air Cooling (HVAC)

Poster presentation, Society for Pediatric Anesthesia 3/2018

**Diane Gordon**, Lori Aronson. Pulmonary Edema after severe bronchospasm in a toddler

Poster presentation, Society for Pediatric Anesthesia 3/2017

**Diane Gordon**, Anna Varughese. Reduction of Propofol Waste for Environmental and Financial Benefit

Poster presentation, Society for Pediatric Anesthesia 4/2016

Anesthesia for airway surgery, Midwest Airway Conference 10/2015

Environmental Impact of Anesthesia Practice: Balancing Sustainability and Patient Care, Ohio Society of Anesthesiologists annual meeting invited speaker 9/2015

Anesthesia for airway surgery, Midwest Airway Conference 10/2014

Simulation scenario: Airway foreign body removal, Midwest Airway Conference 10/2014

Anesthesia for airway surgery, Midwest Airway Conference 6/2013

**Diane Gordon**, Smokey Clay. Evolving pneumonia in a 9 month-old requiring placement of a chest tube- Danger lurks in Interventional Radiology!

Problem Based Learning Discussion, Society for Pediatric Anesthesia 3/2014

**Diane Gordon**, Senthilkumar Sadhasivam. Comparison of operating room efficiency, perioperative analgesia and length of PACU stay with preemptive before surgery nerve blocks versus post-surgical blocks for knee ligament reconstructions in adolescents

Poster presentation, Society for Pediatric Anesthesia 3/2013

**Diane Gordon**, Senthilkumar Sadhasivam. Bilateral Transversus Abdominis Plane (TAP) catheters for midline laparotomy

Poster Presentation, American Society of Anesthesiologists 10/2012

**Diane Gordon**, Mohamed Mahmoud. Anterior/posterior spine fusion in a child with mitochondrial disease and long QT syndrome  
Problem Based Learning Discussion, Society for Pediatric Anesthesia 2/2012

**Diane Gordon**, Liana Hosu, Senthilkumar Sadhasivam. Syndrome of Inappropriate Anti-Diuretic Hormone (SIADH) after posterior spine fusion  
Poster Presentation, Society for Pediatric Anesthesia 2/2012

**Diane Gordon**, Mohamed Mahmoud. Sedation for dynamic airway MRI sleep study for a pediatric patient with severe obstructive sleep apnea  
Poster Presentation, American Society of Anesthesiologists 10/2011

**Diane Gordon**, Georges Desjardins. Cardiovascular collapse after ethanol injection for sclerotherapy of venous malformation  
Poster Presentation, Western Anesthesia Resident Conference 5/2008

### **International Speaking Engagements**

- 6/2023- Asian Society of Pediatric Anesthesiologists- Seoul, South Korea  
Environmental Impact of Anesthesia  
Reducing Our Carbon Footprint: Easy Changes to Our Practice that Reduce Cost and Carbon Emissions
- 3/2024- World Congress of Anesthesia Sustainability Track Co-Chair

### **Publications**

#### **Online publications**

1. Greening the Operating Room and Perioperative Arena: Environmental Sustainability for Anesthesia Practice. Contributing author and reviewer.  
<https://www.asahq.org/about-asa/governance-and-committees/asa-committees/environmental-sustainability/greening-the-operating-room> 1/2022
2. Sophie Pestiaeu, **Diane Gordon**, Molly MH Herr. Disposable vs Single Use Laryngoscopes in Anesthesia Practice. One-Pager for SPA website. 8/2022  
<https://pedsanesthesia.org/wp-content/uploads/2022/09/SPA-disposable-one-pager-V3.pdf>
1. Editing/oversight of 5 One-Pagers on sustainability topics for SPA 8/2021  
([Decreasing Pharmacological Waste](#), [Eliminating Desflurane](#), [Low Flow Anesthesia in Pediatric Patients](#), [Nitrous Oxide – More Harm Than Good](#), [OR Recycling Checklist](#))
2. Open Anesthesia/SPA Ask-the-Expert Interview. Interview with Dr. Diane Gordon. Environmental Sustainability. January 2021. [SPA Ask the Experts - January 2021 - Diane](#)

## Non-Peer Reviewed Journal Articles

1. **Diane Gordon**, Nancy Hagerman, Jeffrey Feldman, et al. Should Transdermal Drug Patches Containing Metal Be Removed During Procedures Using Electrocautery Because of the Risk of a Burn Injury. Anesthesia Patient Safety Foundation Newsletter. Oct 2017, Circulation 122,210; 32(2)  
<https://www.apsf.org/article/should-transdermal-drug-patches-containing-metal-be-removed-during-procedures-using-electrocautery-because-of-the-risk-of-a-burn-injury/>
2. **Diane Gordon**, Sean McGarry. Disposal and Treatment of Controlled Substances from the OR. ASA Monitor, April 2018, 82:4, 18-21.
3. **Diane Gordon**, Jodi D. Sherman, Richard Beers, Harriet W. Hopf. Balancing Sustainability and Infection Control: The Case for Reusable Laryngoscopes. Anesthesia Patient Safety Foundation Newsletter. 2020 Feb;122,210; 35(1)  
<https://www.apsf.org/article/balancing-sustainability-and-infection-control-the-case-for-reusable-laryngoscopes/> (Feb 2020)
4. **Diane Gordon**, Karin Zuegge. Greenwashing in Healthcare Marketing. ASA Monitor 2020; 84(4):18-21.  
<https://monitor.pubs.asahq.org/article.aspx?articleid=2763618&resultClick=3>

## Sustainability Projects

### propofol waste QI and waste stream optimization QI

- 2022 Waste stream QI
- 2020 Propofol calculator on SPA Blog
- 2019 Desflurane vaporizer reduction (removed 8/2020)
- 2019 Propofol waste reduction (in progress)
- 2019 HVAC setbacks for main OR- Children's Colorado (in progress)
- 2017 Recycle 101 Lunch and Learn for CCHMC employees
- 2017 Initiated paperless notifications for Anesthesia unsigned medical records
- 2016 Research building temperature regulation changes for energy savings
- 2016 Night-time operating room HVAC Setbacks for energy savings
- 2016 Anesthesia Propofol waste reduction in radiology- reduced waste by 50%
- 2016 Consultant: appropriate pharmaceutical waste segregation and disposal
- 2015 Anesthesia lounge education project to reduce use of disposable cups
- 2014 Anesthesia supply chain: reduced number of breathing bags by 50%