

Rush GreenOR Group CV

PEER-REVIEWED ARTICLES:

Petit HJ, Silva de Souza Lima Cano N, Sullivan G, Sullivan I, Trautmann S, Bilec MM, Shah AN. Reducing the carbon footprint of a laparoscopic appendectomy: A life cycle assessment. *Surgery*. 2025 Aug 18;187:109603. doi: 10.1016/j.surg.2025.109603. Epub ahead of print. PMID: 40829412.

Beckwith SE, Petit HJ, Sullivan EE, Reyes CB, Gulack BC, Shah AN. Patient Perceptions About the Environmental Impact of Hospitals and Surgical Care. *The American Surgeon*. 2025;0(0). doi:10.1177/00031348251346528

Petit HJ, Silva de Souza Lima Cano N, Sullivan G, Sullivan I, Trautmann S, Bilec MM, Shah AN. Reducing the carbon footprint of a laparoscopic appendectomy: A life cycle assessment. *Surgery*. 2025 Aug 18;187:109603. doi: 10.1016/j.surg.2025.109603. Epub ahead of print. PMID: 40829412.

Donahue L, Petit HJ, Thiel C, Sullivan GA, Gulack BC, Shah AN. A Life Cycle Assessment of Reusable and Disposable Surgical Caps. *Journal of Surgical Research*. 2024 Jul 1;299:112-9 doi: 10.1016/j.jss.2024.04.007. PMID: 38749314

Fitzpatrick CM, Li LT, Sullivan GA, Gow KW, Glick RD. Environmental Impact of Traveling to the Annual American Pediatric Surgical Association Meeting. *Journal of Pediatric Surgery*. 2024 Jul 14:161623. doi: 10.1016/j.jpedsurg.2024.07.008. PMID: 39122611

Ralph O, Sullivan G, Chan E, Olaitan, OK. Environmental Benefits of Electronic Table of Contents of Journals Over Print. *Cureus*. 29 Oct 2023;15(10): e47907. doi:10.7759/cureus.47907

Lehane A, Sullivan GA, Dunn JB, Perez M, Smith C, Dsida R, Raval MV. Life Cycle Analysis of a Single Use Laryngoscope. *The Laryngoscope*. 2025 Feb 24. doi:10.1002/lary.32093. PMID: 39992054

Lehane A, Sullivan GA, Dunn J, Perez M, Smith CJ, Raval MV. Life Cycle Analysis of a Pediatric Surgical Kit—A Target to Reduce Operating Room Waste. *JAMA surgery*. 2024 Dec 1;159(12):1436-8. doi:10.1001/jamasurg.2024.3823. PMID: 39320932

Lehane A, Storton K, Perez M, Smith C, Sullivan GA, Raval MV. From Trash to Treasure: Launching a Medical Device Reprocessing Program. *Journal of pediatric surgery*. 2024 Nov 16:162069. doi:10.1016/j.jpedsurg.2024.162069. PMID: 39603956

Palmisano ZM, **Sullivan GA**, Petit HJ, Gulack BC, Myers JA, Shah AN. Surgeon perspectives on preference cards and environmental stewardship. *World Journal of Surgery*. 2024 Aug 6. doi: 10.1002/wjs.12308. PMID: 39107916

Petit HJ, Sullivan GA, Hughes IM, Pittman KL, Myers JA, Cocoma SM, Gulack BC, Shah AN. Exploring Barriers and Facilitators to Reducing the Environmental Impact of the Operating Room. *Journal of Surgical Research*. 2023 Dec 1;292:197-205.

Sullivan GA, Reiter AJ, Smith C, Glick RD, Skarda DE, Le HD, Gow KW, Rich BS, Raval MV. Pediatric Surgeon Perceptions on Operating Room Environmental Stewardship and Current Institutional Climate-Smart Actions. *Journal of Pediatric Surgery*. 2023 Jun 27.

Sullivan GA, Reiter AJ, Hu A, Smith C, Storton K, Gulack BC, Shah AN, Dsida R, Raval MV. Operating Room Recycling: Opportunities to Reduce Carbon Emissions Without Increases in Cost. Accepted to *Journal of Pediatric Surgery*.

Sullivan GA, Petit HJ, Reiter AJ, Westrick JC, Hu A, Dunn JB, Gulack BC, Shah AN, Dsida R, Raval MV. Environmental Impact and Cost Savings of Operating Room Quality Improvement Initiatives: A Scoping Review. *Journal of the American College of Surgeons*. 2023 Feb 1;236(2):411-23. doi:10.1097/XCS.0000000000000478. PMID: 36648269

Petit HJ, Silva de Souza N, Sullivan GA, Sullivan I, Trautmann S, Bilec MM, Shah AN. Reducing the Carbon Footprint of a Laparoscopic Appendectomy: A Life Cycle Assessment. Accepted in *Surgery*.

ABSTRACTS:

Pacific Association for Pediatric Surgeons Annual Meeting – Melbourne, Australia, May 2025.

Lehane AJ, Perez M, Sullivan GA,, Dunn J, Lautz T, Raval MV. Optimizing Pediatric Surgical Kits: A Cost-Effective Approach to Reducing Environmental Impact in Healthcare.

Academic Surgical Congress – Las Vegas, NV, Feb 2024.

Petit HJ, **Sullivan GA**, Lima Cano N, Bilec MM, Shah AN. Reducing the Carbon Footprint of a Laparoscopic Appendectomy: A Life Cycle Assessment.

American College of Surgeons Clinical Congress – San Francisco, CA, Oct 2024.

Lehane A, **Sullivan G**, Huan LW, Peter X, Tummala N, Gabriel E, Hall B, Moloo H, Ko C, Raval M. “It’s Not Easy Being Green” -A National Survey Understanding “Climate-Smart” Actions in the Operating Room.

American College of Surgeons Quality and Safety Conference – Denver, CO, Jul 2024.

Lehane A, Storton K, Perez M, Smith C, **Sullivan GA**, Raval MV. From Trash to Treasure: Launching a Medical Device Reprocessing Program.

American College of Surgeons Quality and Safety Conference – Denver, CO, Jul 2024.

Lehane AJ, **Sullivan GA**, Dunn J, Perez M, Smith CJ, Raval MV. Life Cycle Analysis of a Pediatric Surgical Kit – A Target to Reduce Operating Room Waste.

American Pediatric Surgical Association – Phoenix, AZ, May 2024.

Lehane A, Storton K, Perez M, Smith C, **Sullivan GA**, Raval MV. From Trash to Treasure: Launching a Medical Device Reprocessing Program.

Association for Clinical and Translational Sciences Annual Meeting – Las Vegas, NV, Apr 2024.

Lehane AJ, **Sullivan GA**, Dunn JB, Perez M, Smith CJ, Dsida R, Raval MV, Life Cycle Analysis of a Single Use Laryngoscope – A Target to Reduce Operating Room Environmental Impact.

Academic Surgical Congress – Washington, DC, Feb 2024.

Lehane AJ, **Sullivan GA**, Dunn J, Perez M, Smith C, Raval MV. Life Cycle Analysis of a Pediatric Surgical Kit – A Target to Reduce Operating Room Waste.

American Academy of Pediatrics – Washington DC, Oct 2023.

Sullivan GA, Raval MV, Glick RD, Greenberg S, Anderson JE, Gander J, Muratore C, Gow KW, Li L. Empowering Pediatric Surgeons to Promote Environmentally Responsible Operating Room Practices.

American College of Surgeons Quality and Safety Conference – Minneapolis, MN, July 2023. Sullivan GA, Reiter AJ, Smith RD, Skarda DE, Le HD, Rich BS, Raval MV. Pediatric Surgeons and Operating Room Environmental Sustainability.

American College of Surgeons Clinical Congress – Boston MA, October 2023
Palmisano ZM, Sullivan GA, Petit HJ, Gulack BC, Myers JA, Shah AN. Surgical Preference Card Maintenance: Current Practices and Surgeon Perspectives.

Rush Trainee Research Day – Chicago IL, March 2023.
Petit HJ, Sullivan GA, Cocoma SM, Myers JA, Hughes IM, Pittman KT, Gulack BC, Shah AN. Exploring Barriers and Facilitators to Reducing Waste in Operating Rooms.

Academic Surgical Congress – Houston TX, Feb 2023.
Sullivan GA, Reiter AJ, Hu A, Gulack BC, Shah AN, Dsida R, Raval MV. Operating Room Recycling: an Opportunity to Reduce Cost and Waste.

Academic Surgical Congress – Houston TX, Feb 2023.
Petit HJ, Sullivan GA, Cocoma SM, Myers JA, Hughes IM, Pittman KT, Gulack BC, Shah AN. Exploring Barriers and Facilitators to Reducing Waste in Operating Rooms.

ORAL ABSTRACT PRESENTATIONS AT NATIONAL MEETINGS:

Pacific Association for Pediatric Surgeons Annual Meeting – Melbourne, Australia, May 2025.
Lehane AJ, Perez M, Sullivan GA,, Dunn J, Lautz T, Raval MV. Optimizing Pediatric Surgical Kits: A Cost-Effective Approach to Reducing Environmental Impact in Healthcare.

Clean Med – Atlanta, GA, May 2025.
Trautman S, Beckwith S, Sullivan GA, Fisher HC, Keshwani S, Schimpke S, Shah AN. Designing Effective and Sustainable Recruitment.

Academic Surgical Congress – Las Vegas, NV, Feb 2025.
Petit HJ, **Sullivan GA**, Lima Cano N, Bilec MM, Shah AN. Reducing the Carbon Footprint of a Laparoscopic Appendectomy: A Life Cycle Assessment.

American College of Surgeons Clinical Congress – San Francisco, CA, Oct 2024.
Lehane A, **Sullivan G**, Huan LW, Peter X, Tummala N, Gabriel E, Hall B, Moloo H, Ko C, Raval M. “It’s Not Easy Being Green” -A National Survey Understanding “Climate-Smart” Actions in the Operating Room.

American College of Surgeons Quality and Safety Conference – Denver, CO, Jul 2024.
Lehane A, Storton K, Perez M, Smith C, **Sullivan GA**, Raval MV. From Trash to Treasure: Launching a Medical Device Reprocessing Program.

American College of Surgeons Quality and Safety Conference – Denver, CO, Jul 2024.
Lehane AJ, **Sullivan GA**, Dunn J, Perez M, Smith CJ, Raval MV. Life Cycle Analysis of a Pediatric Surgical Kit – A Target to Reduce Operating Room Waste.

American Pediatric Surgical Association – Phoenix, AZ, May 2024.

Lehane A, Storton K, Perez M, Smith C, **Sullivan GA**, Raval MV. From Trash to Treasure: Launching a Medical Device Reprocessing Program.

Association for Clinical and Translational Sciences Annual Meeting – Las Vegas, NV, Apr 2024.

Lehane AJ, **Sullivan GA**, Dunn JB, Perez M, Smith CJ, Dsida R, Raval MV, Life Cycle Analysis of a Single Use Laryngoscope – A Target to Reduce Operating Room Environmental Impact.

Academic Surgical Congress – Washington, DC, Feb 2024.

Lehane AJ, **Sullivan GA**, Dunn J, Perez M, Smith C, Raval MV. Life Cycle Analysis of a Pediatric Surgical Kit – A Target to Reduce Operating Room Waste.

American Academy of Pediatrics – Washington DC, Oct 2023.

Sullivan, GA. “Empowering Pediatric Surgeons to Promote Environmentally Responsible Operating Room Practices.”

Academic Surgical Congress – Houston TX, Feb 2023.

Sullivan, GA. “Operating Room Recycling: an Opportunity to Reduce Cost and Waste.”

Academic Surgical Congress – Houston TX, Feb 2023.

Petit, HJ. “Exploring Barriers and Facilitators to Reducing Waste in Operating Rooms.”

INVITED NATIONAL PRESENTATIONS/PANELS:

American Academy of Pediatrics Section on Surgery – Denver, CO, Sep 2025.

Sullivan, GA. Role: panelist and speaker. Session title: “Perioperative and Operative Stewardship”
“Greening the Operating Room” - opportunities to reduce cost and environmental impact

American College of Surgeons Quality and Safety Conference – Minneapolis, MN, July 2023.

Sullivan, GA. Role: panelist and speaker. Session title: “Three Different Playbooks to Understanding Sustainability in Healthcare.” Presentation title: “Greening the operating room: meeting the triple bottom line”

CleanMed – Pittsburgh, PA, May 2023.

Sullivan, GA. Role: panelist and speaker. Session title: “Greening the OR: Quality improvement initiatives for cost savings & impact.” Presentation title: “Greening the operating room: meeting the triple bottom line”

INVITED LOCAL AND REGIONAL PRESENTATIONS:

Sullivan, GA. “Greening the Operating Room: Meeting the Triple Bottom Line.” Lurie Children’s Hospital Grand Rounds. Chicago, IL, Apr 2023.

Palmisano ZM, Sullivan GA, Petit HJ, Gulack BC, Myers JA, Shah AN. “Preference Card Maintenance: Current Practices and Surgeon Perspectives.” Oral presentation at the Rush University Planetary Health Symposium. Chicago IL, April 2023

Petit HJ, Sullivan GA, Palmisano ZM, Gulack BC, Myers JA, Shah AN. “Inguinal Hernia Repair Waste Audit- Process and Next Steps.” Oral presentation at the Rush University Planetary Health Symposium. Chicago IL, April 2023

Petit HJ, Sullivan GA, Cocoma SM, Myers JA, Hughes IM, Pittman KT, Gulack BC, Shah AN. “Exploring Barriers and Facilitators to Reducing Waste in Operating Rooms.” Poster presentation at the Rush Trainee Research Day. Chicago IL, March 2023.

MEDIA

Sullivan, GA. Interviewee. “Surgeons Can Drive Quality—and Help the Environment.” American College of Surgeons Bulletin. Mar 2023. <https://www.facs.org/for-medical-professionals/news-publications/news-and-articles/bulletin/march-2023-volume-108-issue-3/surgeons-can-drive-quality-and-help-the-environment/>

Sullivan, GA. Interviewee. “Greening the OR’ initiatives help orthopedic, oncology, pediatric surgery sustainability.” Orthopedics today. Feb 2023. <https://www.healio.com/news/orthopedics/20230206/greening-the-or-initiatives-help-orthopedic-oncology-pediatric-surgery-sustainability>

Sullivan, GA. Interviewee. “Going green in operating rooms reduces cost and improves environmental impact.” American College of Surgeons Press Release. Nov 2022. [https://www.facs.org/for-medical-professionals/news-publications/news-and-articles/press-releases/2022/going-green-in-operating-rooms-reduces-cost-and-improves-environmental-impact/#:~:text=CHICAGO%3A%20Operating%20room%20\(OR\),Journal%20of%20the%20American%20College](https://www.facs.org/for-medical-professionals/news-publications/news-and-articles/press-releases/2022/going-green-in-operating-rooms-reduces-cost-and-improves-environmental-impact/#:~:text=CHICAGO%3A%20Operating%20room%20(OR),Journal%20of%20the%20American%20College)

Sullivan, GA. Interviewee. “The Environmental Impact of Medical Equipment.” Northwestern Engineering News. Sep 2022. <https://www.mccormick.northwestern.edu/news/articles/2022/09/the-environmental-impact-of-medical-equipment/>

AWARDS/HONORS

Sullivan, GA. “Empowering Pediatric Surgeons to Promote Environmentally Responsible Operating Room Practices.” Rosenkrantz Best Poster Award, American Academy of Pediatrics Section on Surgery, 2023.

Sullivan, GA. Emerging Physician Leader Award, Health Care Without Harm, 2023.