

## CURRICULUM VITAE

**NAME:** Ravi S. Radhakrishnan, MD, MBA, FACS, FAAP, FAHA

**PRESENT POSITION  
AND ADDRESS:**

Professor, *with Tenure* (09/01/2021-present)  
Pediatric Surgeon in Chief, 07/01/2022-present)  
John Sealy Distinguished Chair in Clinical Research (2016-present)  
Vice Chair of Education, Department of Surgery (2018-present)  
Program Director, Pediatric Surgery Fellowship (2020-present)  
Associate Program Director, General Surgery Residency (2022-present)  
Director, Adult and Pediatric ECMO Programs (2015-present)  
University of Texas Distinguished Teaching Professor  
Departments of Surgery and Pediatrics  
University of Texas Medical Branch  
301 University Boulevard, Galveston, TX 77555-0353  
Phone: 409-772-5666; E-mail: [rsradhak@utmb.edu](mailto:rsradhak@utmb.edu)

Adjunct Professor (2021-present)  
Department of Surgical Oncology  
University of Texas MD Anderson Cancer Center  
Houston, TX

**BIOGRAPHICAL:**

Birthdate: January 15, 1976  
Birthplace: Houston, TX  
Citizenship: USA

**EDUCATION:**

08/15/1998-05/18/2002

Doctor of Medicine  
Texas Tech University, School of Medicine  
Lubbock, TX

08/01/2004-05/20/2006

Master of Business Administration  
University of St. Thomas  
Houston, TX

09/03/1994-05/18/1998

Bachelor of Applied Science, Bioengineering  
School of Engineering and Applied Science  
University of Pennsylvania  
Philadelphia, PA

**TRAINING (GME):**

07/01/2002-06/30/2003

Internship – Surgery  
University of Texas Health Science Center  
Houston, TX

07/01/2003-06/30/2004

Residency – Surgery  
University of Texas Health Science Center  
Houston, TX

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|-----------------------|--|
| 07/01/2004-06/30/2006 | Fellow – Surgical Research (National Institutes of Health-T32)<br>University of Texas Health Science Center<br>Houston, TX |
| 07/01/2006-06/30/2008 | Residency – Surgery<br>University of Texas Health Science Center<br>Houston, TX  |
| 07/01/2008-06/30/2009 | Chief Resident – Surgery<br>University of Texas Health Science Center<br>Houston, TX                                       |
| 07/01/2009-06/30/2011 | Fellow – Pediatric Surgery<br>Northwestern University, Feinberg School of Medicine<br>Chicago, IL                          |

**BOARD CERTIFICATION:**

American Board of Surgery, Surgery, Certificate #055279 (issued: 04/20/2010; meeting continuous certification requirements, reverification date: 01/20/2023)  
 American Board of Surgery, Pediatric Surgery, Certificate #001196 (issued: 02/29/2012; meeting continuous certification requirements, reverification date: 01/20/2023)

**LICENSURE INFORMATION:**

Texas –Full Medical License #M0534 (issued: 02/04/2005; expiration: 08/31/2022)  
 Illinois (inactive) – Medical License # 036123668 (issued: 06/08/2009; expiration: 07/31/2011)

**PROFESSIONAL WORK AND TEACHING EXPERIENCE:**

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|--------------|---|
| 2008-2009    | Medical Director, South Texas Division<br>Coast to Coast Wound Care Surgeons<br>Houston, TX   |
| 2010-2011    | Instructor, Department of Surgery<br>Northwestern University, Feinberg School of Medicine<br>Chicago, IL  |
| 2011-2015    | Assistant Professor & Chief, Section of Pediatric Surgery<br>Leonard & Marie Aronsfeld Rosoff Professor in Surgery<br>Surgical Director, Pediatric ECMO Program<br>Departments of Surgery and Pediatrics<br>University of Texas Medical Branch<br>Galveston, TX |
| 2011-present | Consulting Surgeon<br>Pediatric Surgery and Urology, Burn, Extracorporeal Membrane<br>Oxygenation<br>Shriners Hospitals for Children<br>Galveston, TX   |
| 2014-present | Director, Adult and Pediatric ECMO Programs<br>Department of Surgery and Pediatrics<br>University of Texas Medical Branch   |

Galveston, TX

|                       |   |
|-----------------------|---|
| 2015-08/31/2019       | Associate Professor, Tenure Track<br>Departments of Surgery and Pediatrics<br>University of Texas Medical Branch<br>Galveston, TX                                 |
| 2015-2020             | Director, Pediatric Urology Program   |
| 2015-9/30/2022        | Chief, Division of Pediatric Surgery<br>Department of Surgery<br>University of Texas Medical Branch<br>Galveston, TX  |
| 07/01/2016-09/07/2022 | Program Director, General Surgery Residency Program<br>Department of Surgery and Pediatrics<br>University of Texas Medical Branch<br>Galveston, TX                |
| 2016-present          | John Sealy Distinguished Chair in Clinical Research<br>Department of Surgery and Pediatrics<br>University of Texas Medical Branch<br>Galveston, TX                |
| 2018-present          | Vice Chair of Education<br>Department of Surgery<br>University of Texas Medical Branch<br>Galveston, TX   |
| 2018-2021             | Adjunct Associate Professor<br>Department of Surgical Oncology<br>University of Texas MD Anderson Cancer Center<br>Houston, TX                                    |
| 09/01/2019-8/31/2021  | Associate Professor, with Tenure<br>Division of Pediatric Surgery<br>Departments of Surgery and Pediatrics<br>University of Texas Medical Branch<br>Galveston, TX |
| 08/27/2020-present    | Program Director, Pediatric Surgery Fellowship Program<br>Department of Surgery<br>University of Texas Medical Branch<br>Galveston, TX                            |
| 09/01/2021-present    | Professor, with Tenure<br>Division of Pediatric Surgery<br>Departments of Surgery and Pediatrics<br>University of Texas Medical Branch<br>Galveston, TX           |

Adjunct Professor  
Department of Surgical Oncology  
University of Texas MD Anderson Cancer Center  
Houston, TX

07/01/2022-present  
Pediatric Surgeon in Chief  
University of Texas Medical Branch  
Galveston, TX

09/07/2022-present  
Associate Program Director, General Surgery Residency Program  
Department of Surgery and Pediatrics  
University of Texas Medical Branch  
Galveston, TX

## RESEARCH ACTIVITIES:

### Area of Research

Burn Injury; Cardiac Physiology; Traumatic Brain Injury

### Grant Support

#### Current

Number: T32 DK007639-28 - National Institutes of Health - NIDDK  
Title: Surgical Research Training in Gastrointestinal Diseases  
Principal Investigator: Radhakrishnan RS; Effort: N/A; Funding: \$1,232,002; Period: 07/01/18-06/30/23

Number: 5TR01HD104607-03 – National Institutes of Health – NICHD  
Title: Gastroschisis Outcomes of Delivery Study  
PI: Wagner A  
Site PI: Radhakrishnan; Effort: N/A; Funding: \$950,655; Period: 04/12/21-03/31/24

#### Past

Number: T32 GM008256-30 - National Institutes of Health  
Title: Postdoctoral Training in Trauma and Burns  
Principal Investigator: Steven E Wolf; Effort: N/A; Funding: \$1,144,506; Period: 07/01/16-06/30/21  
Mentor: Radhakrishnan RS

Number: R01 GM112936 – National Institutes of Health  
Title: Effects of Chronic Catecholamine Exposure on Post-Burn Scarring  
Principal Investigator: Finnerty CC  
Co-Investigator: Radhakrishnan RS; Effort: 1%; Funding: \$382,570; Period: 01/15/2015-12/31/2019

Number: 5R01NS077963-03 – UT Health Science Center at Houston  
Title: Phase 2 Pediatric Autologous Bone Marrow Mononuclear Cells for Severe Traumatic Brain Injury  
Principal Investigator: Cox Jr CS/University of Texas Health Sciences Center, Houston  
Co-Investigator: Radhakrishnan RS/UTMB; Effort: 1%; Funding: \$742,313; Period: 04/01/2013-

02/29/16

Number: W81XWH-14-2-0161 – Dept of Defense  
Title: Improving Diagnosis of Sepsis after Burn Injury Using a Portable Sepsis Alert System  
Principal Investigator: Radhakrishnan RS; Effort: 5%; Funding: \$1,247,319; Period: 09/30/2014-09/29/2020

**COMMITTEE RESPONSIBILITIES:**

National

|           |   |
|-----------|---|
| 2011-2013 | Membership Committee Member, Association for Academic Surgery   |
| 2014-2016 | Publications Committee Member, Association for Academic Surgery                                       |
| 2014-2016 | Chapter Representative, Young Fellows Association of American College of Surgeons-South Texas Chapter |
| 2015-2018 | Practice Committee Member, American Pediatric Surgical Association                                    |
| 2018      | Practice Committee Liaison to Informatics Committee, American Pediatric Surgical Association          |
| 2015-2021 | Membership and Credentials Committee, American Pediatric Surgical Association                         |
| 2017-2019 | Membership Committee Member-Section on Surgery, American Academy of Pediatrics                        |
| 2017-2019 | Surgical Education Committee Member, Society of University Surgeons                                   |
| 2018-2023 | Chair, Mid-Career Course, Society of University Surgeons  |
| 2019-2021 | Nominating Committee Member-Section on Surgery, American Academy of Pediatrics                        |
| 2020-2022 | Program Committee Member-Section on Surgery, American Academy of Pediatrics                           |
| 2020-2023 | Chair, Surgical Education Committee, Society of University Surgeons                                   |
| 2020-2023 | Executive Council Member, Society of University Surgeons  |
| 2021      | Chair, Leadership Webinar, Society of University Surgeons   |
| 2021-2023 | Member Services Committee, Society for Surgery of the Alimentary Tract                                |
| 2022-pres | Audit Committee Member, Southern Surgical Association   |
| 2022-pres | Councilor, American College of Surgeons, South Texas Chapter  |
| 2023-pres | Member, American Burn Association, Membership Advisory Committee                                      |
| 2023-pres | Member, Nominating Committee, Association of Pediatric Surgery Training Program Directors             |

University of Texas Medical Branch

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|--------------|--|
| 2011-present | Executive Steering Committee Member, Children's Service Line                           |
| 2013-2016    | Medical School Faculty Self-Study Subcommittee, Liaison Committee on Medical Education |
| 2015-2019    | Academy of Master Teachers, Mentoring and Consultation Team                            |
| 2016-present | Graduate Medical Education, Executive Committee  |
| 2016-present | Graduate Medical Education, External Training Site Review Committee                    |
| 2019-present | Graduate Medical Education, Well-Being Committee                                       |
| 2019-present | Academy of Master Teachers, Faculty Development Team                                   |
| 2021-present | Professional Liability Review Committee  |

UTMB-Department of Surgery

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|--------------|--|
| 2013, 2018   | Self Study Committee Member                            |
| 2014-2016    | Residency Program Clinical Competency Committee Member |
| 2014-present | Task Force Member                                      |

|              |   |
|--------------|---|
| 2014-present | Education Committee Member                            |
| 2014-present | Compensation Committee Member                         |
| 2015-present | Strategic Planning Committee Member                   |
| 2016-present | Senior Leadership Committee Member                    |
| 2019-present | Appointments, Promotions, and Tenure Committee Member |

University of Texas Health Sciences Center, Houston

|           |  |
|-----------|--|
| 2006-2009 | Educational Advisory Committee Member, Department of Surgery                 |
| 2008-2009 | Institutional Ethics Committee Member—Memorial Hermann, Texas Medical Center |

Texas Tech University School of Medicine

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|-----------|--|
| 1999-2000 | Treasurer, Specialty Medicine Club           |
| 1999-2000 | Social Chair, Phi Beta Pi Medical Fraternity |

University of Pennsylvania

|           |  |
|-----------|--|
| 1994-1998 | Society of Bioengineers, Member  |
| 1994-1998 | Captain, Intercollegiate Volleyball Team '96-'98 and four-year letterman |

Other

Scientific Sessions Chaired/Discussion Leader

|               |   |
|---------------|---|
| 04/16-18/2012 | Moderator: Trauma Session and Minimally Invasive Surgery Session, 41 <sup>st</sup> International Symposium of Pediatric Surgery, Obergurgl, Austria |
| 02/05/2014    | Moderator: Pediatrics/Developmental Biology 1: Clinical and Neonatal/Fetal, 9 <sup>th</sup> Annual Academic Surgical Congress, San Diego, CA        |
| 04/07-08/2014 | Moderator: Interactive Case Presentation Session, 43 <sup>rd</sup> International Symposium of Pediatric Surgery, Obergurgl, Austria                 |
| 08/16/2014    | Chair: Safety and Alarm Perspectives from Industry, Smart Monitoring Meeting 2014, Fort Lauderdale, FL  |
| 02/24/2017    | Moderator: Pediatric Surgery Oral Presentations, ACS Texas Chapter Annual Meeting, American College of Surgeons, Austin, TX                         |
| 02/23/2018    | Moderator: Pediatric Surgery Oral Presentations, ACS Texas Chapter Annual Meeting, American College of Surgeons, Houston, TX                        |
| 09/27/2019    | Moderator: Pediatric Surgery Scientific Session, Quick Shot, Society of Asian Academic Surgeons 4 <sup>th</sup> Annual Meeting. Boston, MA.         |

**TEACHING/MENTORING RESPONSIBILITIES:**

A. TEACHING/MENTORING RESPONSIBILITIES AT UTMB:

a. Teaching:

School of Medicine:

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|--------------|--|
| 2011-present | Faculty, Senior Medical Student Surgery Elective in Pediatric Surgery      |
| 2012-present | Faculty, Physician Assistant Student Surgery Elective in Pediatric Surgery |
| 2013-2016    | Small Group Facilitator, Gross Anatomy and Radiology Course                |

b. Mentoring:

Students/Mentees/Advisees/Trainees:

PhD students:

|                 |   |
|-----------------|---|
| 07/2015-2017    | Ye Kyung Song, UTMB Medical Humanities Doctoral Program |
| 07/2020-present | Wenye Song, UTMB PhD Student                            |

Residents/Fellows:

07/2011-06/2014 Yesenia Rojas, UTMB Surgical Research Fellow  
07/2012-06/2015 Amy A. Mrazek, UTMB T32 Surgical Research Fellow  
07/2013-06/2016 Fredrick J. Bohanon, UTMB T32 Surgical Research Fellow

- *Outstanding Postdoctoral Fellow Poster Award*, 3rd Annual Clinical & Translational Research Forum, UTMB, Galveston, TX, 03/11/ 2015
- *Shock Societies Travel Award*, 38th Annual Conference on Shock. Denver, CO, 06/07/ 2015
- *Winner, Basic Science Resident Paper Competition*, ACS Committee on Trauma-South Texas Chapter, “Burn trauma acutely increases respiratory capacity and function in liver mitochondria” 2015
- *Winner, Basic Science Resident Paper Competition*, ACS Committee on Trauma-Region VI, “Burn trauma acutely increases respiratory capacity and function in liver mitochondria” 2015
- *2nd Place, Best Resident Paper Competition*, ACS-South Texas Annual Meeting, “Sociodemographic Disparities Increase Neonatal Sepsis Mortality; A Nationwide Study” San Antonio, TX, 02/26/2016

07/2015-06/2017 Omar Nunez, UTMB DoD Surgical Research Fellow  
07/2016-06/2018 Charles Voigt, UTMB T32 Research Fellow  
07/2017-06/2019 Byron Hughes, UTMB T32 Surgical Research Fellow  
07/2017-06/2020 Claire Cummins, UTMB DoD Surgical Research Fellow  
07/2019-06/2021 Taylor Williams, UTMB Surgical Simulation Research Fellow  
07/2021-06/2023 Diana Rui-Min Mao, UTMB T32 Research Fellow

- *Award Recipient*, 37<sup>th</sup> Annual Residents and Fellows Research Conference. Society for Surgery of the Alimentary Tract.

07/2022-06/2024 Jana DeJesus, UTMB T32 Surgical Research Fellow  
07/2022-06/2024 Lakshmi Dongur, UTMB T32 Surgical Research Fellow

Master’s students:

05/2013-08/2015 Mohamed T. Shabana, UTMB Medical Student Summer Research Program  
04-05/2014 Brittany M. Graham, UTMB Medical Student Research Elective  
06-09/2014 Arline Kandathiparampil, St. George’s University, Grenada, Medical Student Research Elective  
08-09/2014 Tianli Du, UTMB Medical Student Research Elective  
01/2015-07/2016 Kaitlin Watson, UTMB Nursing Student Research Elective  
08-12/2015 Haley Gregory, UTMB Nursing Student Research Elective  
11/2018-present Amir Ali, UTMB Medical Student Research Elective  
06/2019-09/2019 Divya Ramdas, University of Texas Southwestern Medical School Student Research Elective

Undergraduate students:

08-10/2014 Winston Crowell, University of New Hampshire, UTMB Undergraduate Student Research  
03-06/2015 Shiva Vasudevan, University of Texas-Austin, UTMB Undergraduate

05-08/2018 Student Research  
Kiran Aiyer, University of Colorado-Boulder, UTMB Undergraduate  
Student Research

c. Chair/Member of Masters Thesis Supervisory Committee for:  
07/2016-06/2018 Charles Voigt, UTMB T32 Research Fellow – Member of Thesis Review  
Committee

**MEMBERSHIP IN SCIENTIFIC SOCIETIES/PROFESSIONAL ORGANIZATIONS:** (\*denotes  
elected positions)

American College of Surgeons, Fellow\*  
American Academy of Pediatrics, Section on Surgery, Specialty Fellow \*  
American Academy of Pediatrics-Texas Chapter, Specialty Fellow\*  
American Heart Association, Fellow\*  
Society of University Surgeons, Member\*  
Southern Surgical Association, Member\*  
American Pediatric Surgical Association, Member\*  
Association of Academic Surgeons, Member\*  
Society for Surgery of the Alimentary Tract, Member\*  
Surgical Biology Club II, Member\*  
Texas Surgical Society, Member\*  
Halsted Society, Member\*  
Academy of Master Teachers-University of Texas Medical Branch, Member\*  
The University of Texas Kenneth I. Shine, MD, Academy of Health Science Education, Member\*  
Academy of Master Surgeon Educators – American College of Surgeons, Associate Member\*  
Association of Pediatric Surgery Training Program Directors, Member\*  
American Heart Association, Member  
Shock Society, Member  
Association of Program Directors in Surgery, Member  
American College of Surgeons-South Texas Chapter, Fellow  
American Burn Association, Member  
International Pediatric Endosurgery Group, Member  
Society for Complexity in Acute Illness, Member  
American Association of Anatomists, Member  
Texas Pediatric Society, Member  
Singleton Surgical Society, Member  
Texas Medical Association, Member  
Harris County Medical Society, Member

**HONORS:**

1996 National Merit Finalist, University of Pennsylvania (UPenn)  
1996 Shell Oil Company National Merit Scholar, UPenn  
1997 Golden Key National Honor Society, UPenn  
1997 Tutor – Engineering Physics, UPenn  
1997-1998 Distinguished Tutor Award, Physics, UPenn  
1999-2000 Distinguished Anatomy Tutor, Texas Tech University School of Medicine  
(TTUHSC)  
2001-2002 Community Service Award, TTUHSC  
1998-2002 Student Representative for Faculty Educational Policy Committee, TTUHSC  
2002, 2003 Resident Teaching Award, UT Health Science Center  
2005 Best Resident Teacher in Surgery, Awarded by Medical School Class of 2005,



|                 |   |
|-----------------|---|
|                 | UT Health Science Center  |
| 2005-2006       | T32 National Research Service Award Recipient, National Institutes of Health  |
| 02/2006         | 1 <sup>st</sup> Place, Basic Science Competition, ACS-South Texas Chapter   |
| 10/2006         | 1 <sup>st</sup> Place, South Texas Region, Basic Science Resident Abstract Competition, ACS Committee on Trauma   |
| 11/2006         | 1 <sup>st</sup> Place, National Region VI, Basic Science Resident Abstract Competition, ACS Committee on Trauma   |
| 03/2007         | 4 <sup>th</sup> Place, National Basic Science Resident Abstract Competition, ACS Committee on Trauma  |
| 2010-2011       | Fellow as Teacher Award, Awarded by General Surgery Residents to Best Teaching Fellow in Dept. of Surgery, Northwestern University, Fienberg School of Medicine                               |
| 2012, 2014      | America's Top Surgeons, Consumers' Research Council of America  |
| 2013, 2015-2019 | Top Doctor, Pediatric Surgery, <i>Houstonia Magazine</i>  |
| 2014            | Golden Scalpel Award, Awarded by Surgery Students to Outstanding Faculty Teacher, UTMB  |
| 2014, 2021      | Resident Teaching Award, Awarded by Surgery Residents to Outstanding Faculty Teacher, UTMB  |
| 2014-2016       | <i>Texas Super Doctors</i> , Rising Stars, listed in <i>Texas Monthly Magazine</i>  |
| 2017-2022       | <i>Texas Super Doctors</i> , listed in <i>Texas Monthly Magazine</i>  |
| 2014-2016       | Leonard and Marie Louise Aronsfeld Rosoff Professor in Surgery, UTMB  |
| 03/2015         | Outstanding Postdoctoral Fellow Poster Award, 3 <sup>rd</sup> Annual Clinical & Translational Research Forum, UTMB  |
| 06/07/2015      | Shock Societies Travel Award, 38 <sup>th</sup> Annual Conference on Shock, Denver, CO   |
| 2015            | Winner, Basic Science Resident Paper Competition, ACS-South Texas Chapter Committee on Trauma, "Burn trauma acutely increases respiratory capacity and function in liver mitochondria"        |
| 2015            | Winner, Basic Science Resident Paper Competition, ACS Committee on Trauma Region VI, "Burn trauma acutely increases respiratory capacity and function in liver mitochondria"                  |
| 02/2016         | 2 <sup>nd</sup> Place, Best Resident Paper Competition, ACS-South Texas Annual Meeting, "Sociodemographic Disparities Increase Neonatal Sepsis Mortality; A Nationwide Study" San Antonio, TX |
| 2015-2018       | ECMO Center on Path to Excellence, Extracorporeal Life Support Organization Silver Level Award, UTMB  |
| 2015-present    | Member, Academy of Master Teachers  |
| 2016-2019       | ECMO Center of Excellence, Extracorporeal Life Support Organization Gold Level Award  |
| 2016-present    | John Sealy Distinguished Chair in Clinical Research, UTMB   |
| 2016-present    | University of Texas Distinguished Teaching Professor  |
| 2018-2019       | Top Doctor, H Texas Magazine  |
| 2019-present    | Member, The University of Texas Kenneth I. Shine, MD, Academy of Health Science Education   |
| 2019-2020       | Kuo Family Society of Asian Academic Surgeons Visiting Professorship to the Johns Hopkins University Department of Surgery  |
| 2019-2024       | Associate Member, Academy of Master Surgeon Educators, American College of Surgeons   |
| 2020-2023       | ECMO Center on Path to Excellence, Extracorporeal Life Support Organization Silver Level Award, UTMB  |
| 2021            | Society of University Surgeons Recipient of American Surgical Association Surgical Leaders Fellowship Grant   |

2023 Best in Texas Magazine, Top Doctor – Pediatric Surgery

**ADDITIONAL INFORMATION:**

Editorial Board

2020-present Academic Editor, BioMed Research International (IF: 3.411)  
2020-present Editorial Board Member, Scientific Reports (IF: 5.133)

Journal Reviewer

2007-present Critical Care Medicine  
2007-present American Society of Artificial Internal Organs Journal  
2007, 2014-present Journal of Surgical Research  
2012-present Journal of Inflammation  
2014-present DNA and Cell Biology  
2014-present PLOS One  
2014-present Digestive Diseases and Sciences  
2015-present Molecular and Cellular Biochemistry  
2016-present Oncotarget  
2017-present Neurogastroenterology and Motility  
2017-present Pediatrics  
2017-present Journal of Burn Care and Research  
2022-present Critical Care Explorations  
2022-present Annals of Surgery

Grant Reviewer

2013-2016 International Expert Reviewer, Italian Ministry of Health  
2021-present American Heart Association

Professional Skills/Courses

10/2009 Pediatric Endosurgery Course, Chicago, IL  
05/2010 Anorectal Malformations Course – Dr. Alberto Pena, Cincinnati, OH  
04/2011 Advanced Pediatric Endosurgery Course, New York, NY  
03/2011 Pediatric Surgical Oncology Course, St. Jude Children’s Hospital, Memphis, TN

## PUBLISHED:

### A. ARTICLES IN PEER-REVIEWED JOURNALS

1. **Radhakrishnan RS**, Donato ML, Prieto VG, Mays SR, Raad II, Kuerer HM. Invasive Cutaneous Fungal Infections Requiring Radical Resection in Cancer Patients Undergoing Chemotherapy. *J Surg Onc.* 2004 Oct; 88(1): 21-26. Cited: 4 [Mar 20, 2018] Impact factor: 3.244
2. **Radhakrishnan RS**, Xue H, Weisbrodt N, Moore FA, Allen SJ, Laine GA, Cox CS, Jr. Resuscitation-Induced Intestinal Edema Decreases the Stiffness and Residual Stress of Intestine. *Shock.* 2005, Aug;24(2):165-70. PMID: 16044088. Cited: 31 [Mar 20, 2018] Impact factor: 3.048
3. **Radhakrishnan RS**, Xue H, Moore-Olufemi SD, Weisbrodt NW, Moore FA, Allen SJ, Laine GA, Cox CS, Jr. Hypertonic Saline Resuscitation Prevents Hydrostatically-Induced Intestinal Edema and Ileus. *Crit Care Med.* 2006, June; 34(6):1713-1718. PMID: 16625118. Cited: 19 [Mar 20, 2018] Impact factor: 7.442
4. **Radhakrishnan RS**, Radhakrishnan HR, Xue H, Moore-Olufemi SD, Mathur AB, Weisbrodt NW, Moore FA, Allen SJ, Laine GA, Cox CS, Jr. Hypertonic Saline Reverses Stiffness in a Sprague-Dawley Rat Model of Acute Intestinal Edema, Leading to Improved Intestinal Function. *Crit Care Med.* 2007 Feb;35(2):538-43. PMID: 17205008. Cited: 22 [Mar 20, 2018] Impact factor: 7.442
5. **Radhakrishnan RS**, Shah K, Xue H, Moore FA, Weisbrodt NW, Allen SJ, Gill BS, and Cox CS, Jr. Minimally Invasive Measurement of Intestinal Edema using an Impedance Analyzer Circuit. *J Surg Res.* 2007 Mar;138(1):106-10. Cited: 0 [Mar 20, 2018] Impact factor: 2.187
6. **Radhakrishnan RS**, Lally PA, Lally KP, Cox CS, Jr. ECMO for Meconium Aspiration Syndrome: Support for Relaxed Entry Criteria. *ASAIO J.* 2007 Jul-Aug;53(4):489-91. PMID: 17667237. Cited: 9 [Mar 20, 2018] Impact factor: 2.19
7. Cox CS, Jr, **Radhakrishnan RS**, Villarubia L, Xue H, Uray K, Gill BS, Stewart RH, Laine GA. Hypertonic Saline Modulation of Intestinal Tissue Stress and Fluid Balance. *Shock.* 2008 May;29(5):598-602. PMID: 18414233. Cited: 22 [Mar 20, 2018] Impact factor: 3.113
8. **Radhakrishnan RS**, Radhakrishnan GL, Radhakrishnan HR, Xue H, Adams SD, Moore-Olufemi SD, Harting MT, Cox CS, Jr, Kone BC. Pretreatment with Bone Morphogenetic Protein-7 (BMP-7) Mimics Ischemia Preconditioning following Intestinal Ischemia/Reperfusion (IR) Injury in the Intestine and Liver. *Shock.* 2008 Nov;30(5):532-6. PMID: PMC387605. Cited: 11 [Mar 20, 2018] Impact factor: 3.048
9. Adams SD, **Radhakrishnan RS**, Helmer KS, Mercer DW. Effects of Anesthesia on Lipopolysaccharide-Induced Changes in Serum Cytokines. *J Trauma.* 2008 Jul;65(1):170-4. PMID: 18580536. Cited: 13 [Mar 20, 2018] Impact factor: 2.736[http://www.ncbi.nlm.nih.gov/ezproxyhost.library.tmc.edu/pubmed/18541267?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed\\_ResultsPanel.Pubmed\\_RVDocSum](http://www.ncbi.nlm.nih.gov/ezproxyhost.library.tmc.edu/pubmed/18541267?ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum)

10. Fischer UM, **Radhakrishnan RS**, Uray KS, Xue H, Cox CS, Jr. Myocardial Function After Gut Ischemia/Reperfusion: Does NFkappaB Play a Role? *J Surg Res.* 2009 Apr;152(2):264-70. Cited: 1 [Mar 20, 2018] Impact factor: 2.187
11. Aroom KR, Harting MT, Cox, Jr. CS, **Radhakrishnan RS**, Smith C, Gill BS. Bioimpedance Analysis: A Guide to Simple Design and Implementation. *J Surg Res.* 2009 May 1;153(1):23-30. PMID: 18805550. Cited: 13 [Mar 20, 2018] Impact factor: 2.187
12. Moore-Olufemi SD, Padalecki H, Olufemi SE, Xue H, Oliver DH, **Radhakrishnan RS**, Allen SJ, Moore FA, Stewart RH, Laine GA, and Cox CS, Jr. Intestinal Edema: Effect of Enteral Feeding on Motility and Gene Expression. *J Surg Res.* 2009 Aug;155(2):283-92. PMID: 19482297. Cited: 8 [Mar 20, 2018] Impact factor: 2.187
13. **Radhakrishnan RS**, Shah SK, Lance SH, Radhakrishnan HR, Xue H, Radhakrishnan GL, Ramaswamy US, Uray KS, Laine GA, Stewart RH, Cox CS, Jr. Hypertonic saline alters hydraulic permeability and upregulates mucosal/submucosal aquaporin 4 in resuscitation induced intestinal edema. *Crit Care Med.* 2009 Nov;37(11):2946-52. PMCID: PMC4249948. Cited: 10 [Mar 20, 2018] Impact factor: 7.442
14. Harting MT, Smith CT, **Radhakrishnan RS**, Dash PK, Gill BS, and Cox CS, Jr. Regional Differences in Cerebral Edema after Traumatic Brain Injury Identified by Impedance Analysis. *J Surg Res.* 2010 Mar;159(1):557-64. PMID: 19181334. Cited: 4 [Mar 20, 2018] Impact factor: 2.187
15. Moore-Olufemi SD, Olufemi SE, Lott S, Sato N, Kozar RA, Moore FA, **Radhakrishnan RS**, Shah S, Jimenez F, Kone BC, Cox CS, Jr. Intestinal Ischemic Preconditioning After Ischemia/Reperfusion Injury in Rat Intestine: Profiling Global Gene Expression Patterns. *Dig Dis Sci.* 2010 Jul;55(7):1866-77. PMID: 19779973. Cited: 14 [Mar 20, 2018] Impact factor: 2.875
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### C. ABSTRACTS

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## PUBLICATIONS – IN PRESS

## PAPERS AND CONTINUING EDUCATION PROGRAMS PRESENTED:

1. **Radhakrishnan RS**, Xue H, Moore FA, Allen SJ, Cox CS, Jr. Acute Intestinal Edema Causes a Decrease in Stiffness and Residual Stress. Society of University Surgeons 66th Annual Meeting, Nashville, TN. Feb. 10, 2005.
2. **Radhakrishnan RS**, Xue H, Moore FA, Allen SJ, Cox CS, Jr. Acute Intestinal Edema Causes a Decrease in Stiffness and Residual Stress. American College of Surgeons, South Texas Chapter Annual Meeting, Houston, TX. Mar. 11, 2005.
3. **Radhakrishnan RS**, Kao LS. Humoral Hypercalcemia of Malignancy Associated with Metastatic Cutaneous Squamous Cell Carcinoma. Southwestern Surgical Congress 57th Annual Meeting, San Antonio, TX. April 11, 2005.

4. **Radhakrishnan RS**, Xue H, Moore FA, Allen SJ, Cox CS, Jr. Acute Intestinal Edema and the Physical Properties of Intestine. Shock Society Annual Meeting. Marco Island, FL. June 6, 2005.
5. Moore-Olufemi SD, Padalecki J, Xue H, **Radhakrishnan RS**, Allen S, Moore F, Stewart RH, Laine G, Cox CS, Jr. Early Enteral Nutrition Improves Gut Edema Associated Ileus. American College of Surgeons 91st Clinical Congress, Surgical Forum, San Francisco, CA. October, 2005.
6. **Radhakrishnan RS**, Xue H, Moore FA, Allen SJ, Cox CS, Jr. Hypertonic Saline Reverses Acute Intestinal Edema and Improves Transit Through Changes in Cytoskeletal Composition. Society of University Surgeons 67th Annual Meeting, 1st Academic Surgical Congress, San Diego, CA. Feb. 9, 2006.
7. **Radhakrishnan RS**, Shah K, Xue H, Adams SD, Moore FA, Weisbrodt NW, Allen SJ, Gill BS, Cox CS, Jr. Minimally Invasive Measurement of Intestinal Edema using an Impedance Analyzer Circuit. Houston Society for Engineering in Medicine and Biology 23<sup>rd</sup> Annual Meeting, Houston, TX. Feb. 10, 2006.
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9. Substrate Stiffness in an Acute Intestinal Edema model, Leading to Improved Intestinal Function. American College of Surgeons, South Texas Chapter Annual Meeting, Houston, TX. Feb. 24, 2006.
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11. Adams SD, Daigle CE, **Radhakrishnan RS**, Weisbrodt NW, Mercer DW. Ketamine Improves GI Ileus in Rats Given LPS. Surgical Infection Society 26<sup>th</sup> Annual Meeting, San Diego, CA. April 28, 2006.
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13. **Radhakrishnan RS**, Lally PA, Lally KP, Cox CS, Jr. ECMO for Meconium Aspiration Syndrome: Support for Relaxed Entry Criteria. American Society for Artificial Internal Organs 52<sup>nd</sup> Annual Meeting. Chicago, IL. June 8, 2006.
14. **Radhakrishnan RS**, Ramaswamy GL, Radhakrishnan HR, Adams SD, Saunders B, Felix K, Moore-Olufemi SD, Moore FA, Cox, Jr. CS, Kone BC. Pretreatment with BMP-7 Mimics Protective Effects of Ischemic Preconditioning (IPC) Following Intestinal Ischemia/Reperfusion (IR) Injury in the Intestine and Liver. American College of Surgeons 92nd Clinical Congress, Surgical Forum, Chicago, IL. October 10, 2006.
15. Moore-Olufemi SD, Lott S, Olufemi SE, Sato N, Kozar RA, Moore FA, **Radhakrishnan RS**, Cox CS, Jr, Kone BC. Transcriptional Profiling of Ischemic Preconditioning (IPC) in Rat Intestine Following Ischemia/Reperfusion Injury. American College of Surgeons 92nd Clinical Congress, Surgical Forum, Chicago, IL. October 10, 2006.
16. **Radhakrishnan RS**, Radhakrishnan HR, Xue H, Lance SH, Ramaswamy US, Sankaran PL, Allen SJ, and Cox CS, Jr. Hypertonic Saline Redistributes Intestinal Tissue Water and is

associated with Aquaporin 4 Upregulation. American College of Surgeons Committee on Trauma Region VI Resident Abstract Competition. Dallas, TX. November 4, 2006.

17. **Radhakrishnan RS**, Xue H, Felix K, Moore-Olufemi SD, Moore FA, Allen SJ, Cox CS, Jr. Improvement in Cardiac Function by Mesenteric Lymphatic Diversion (LD) in the Setting of Intestinal Ischemia/Reperfusion (IR) is Not Mediated by NF- $\kappa$ B or TNF- $\alpha$  Dependent Pathways. The 2nd Academic Surgical Congress, Phoenix, AZ. Feb. 7, 2007.
18. Moore-Olufemi SD, Olufemi SE, Xue H, **Radhakrishnan RS**, Allen SJ, Moore FA, Stewart RH, Laine GA, Cox CS, Jr. Transcriptional Analysis of Gut Edema in Rat Intestine Following Pretreatment with Selective iNOS Inhibitor L-NIL. The 2nd Academic Surgical Congress, Phoenix, AZ. Feb. 7, 2007.
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21. **Radhakrishnan RS**, Villarrubia L, Xue H, Laine GA, Stewart RH, Weisbrodt NW, Cox CS, Jr. Hypertonic Saline and Its Effect on Intestinal Lymphatic Flow in the Setting of Acute Intestinal Edema. Digestive Disease Week, 2007. Washington DC. May 20, 2007.
22. Wright ZW, Uray KS, **Radhakrishnan RS**, Laine GA, Cox CS, Jr. The Role of Nuclear Factor-kappa B in Edema-Induced Intestinal Dysfunction. Digestive Disease Week, 2007. Washington DC. May 21, 2007.
23. **Radhakrishnan RS**, Villarrubia L, Xue H, Cox CS, Jr. Acute Edema Induces Mechanical Stress on Intestine Initiating Cytoskeletal Signalling. Shock Society Annual Meeting, Baltimore, MD. June 10, 2007.
24. Harting MT, Smith CT, **Radhakrishnan RS**, Dash PK, Gill BS, Cox CS, Jr. Regional Differences in Cerebral Edema After Traumatic Brain Injury Identified by Impedance Analysis. American College of Surgeons 93rd Clinical Congress, Surgical Forum, New Orleans, LA. October 9, 2007.
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26. **Radhakrishnan RS**, Shah SK, Lance SH, Radhakrishnan HR, Xue H, Radhakrishnan GL, Ramaswamy US, Walker PA, Uray KS, Cox CS, Jr. Hypertonic Saline Alters Hydraulic Conductivity and Upregulates Aquaporin 4. The 4th Academic Surgical Congress, Fort Myers, FL. Feb. 4, 2009.
27. **Radhakrishnan RS**, Swanson RK, Reynolds M. McCune Albright Syndrome. Chicago Endocrine Surgery Society. September 30, 2010.

28. **Radhakrishnan RS**, Madonna MB, Chin AC. Thoracoscopic Excision of an Esophageal Foregut Cyst in a 15 year old patient. American College of Surgeons 96th Clinical Congress, Washington, DC. October 4, 2010.
29. **Radhakrishnan RS**. Anorectal Anomalies. University of Texas Medical Branch, Department of General Surgery and Cardiothoracic Surgery Grand Rounds. Galveston, TX. November 2, 2011.
30. **Radhakrishnan RS**. Anorectal Malformations. University of Texas Medical Branch, Department of Pediatrics Grand Rounds. Galveston, TX. January 13, 2012.
31. Griffin LW, **Radhakrishnan RS**. Congenital Hepatobiliary Malformations. University of Texas Medical Branch, Department of General Surgery and Cardiothoracic Surgery Grand Rounds. Galveston, TX. February 22, 2012.
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33. **Radhakrishnan RS**, Superina RA. Rex Shunt for Portal Vein Reconstruction in Hepatobiliary Tumor Resections. The 41st International Symposium of Pediatric Surgery, Obergurgl, Austria. April 16, 2012.
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35. Porter C, Herndon DN, **Radhakrishnan RS**, Børsheim E, Sidossis LS. The Impact of Severe Thermal Trauma on Adipose Tissue Mitochondrial Function in Children. University of Texas Medical Branch Clinical Sciences Translational Sciences Award, Galveston, TX. February 20, 2013.
36. **Radhakrishnan RS**. Keynote Address to Graduating Medical Student Class. Gold Humanism Honor Society. University of Texas Medical Branch. Galveston, TX. March 14, 2013.
37. Saraf MK, Herndon DN, Hawkins HK, Finnerty CC, Arham A, El Ayadi A, Enerback S, Borsheim E, **Radhakrishnan RS**, Sidossis LS. Impact of Burn Injury on Adipose Tissue Metabolism in Children. Singleton Surgical Society 60<sup>th</sup> Annual Scientific Meeting. Galveston, TX. June 14, 2013.
38. Shabana M, Voigt R, Kramer GC, **Radhakrishnan RS**. Heart Rate Variability Analysis in Extremely Low Birth Weight Neonates: Septic vs. Non-septic. University of Texas Medical Branch Medical Student Summer Research Program, Galveston, TX. June 26, 2013.
39. Elayappan A, **Radhakrishnan RS**, Muthukumar A. Diagnosis of Familial Adenomatous Polyposis in a Cognitively Impaired Teenage Male with Microcytic Anemia. North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition Annual Meeting, Chicago, IL. October 10, 2013.
40. Mrazek AA, Shabana MT, Radhakrishnan GL, Kramer GC, **Radhakrishnan RS**. Heart Rate Variability Analysis Is More Sensitive At Identifying Neonatal Sepsis Than Conventional Vital Signs. The 9th Annual Academic Surgical Congress, San Diego, CA. Feb. 4, 2014.

41. Bohanon FJ, Wang X, Ding C, Radhakrishnan GL, Rastellini C, Zhou J, **Radhakrishnan RS**. Oridonin Induces Apoptosis and Cell Cycle Arrest in Activated Hepatic Stellate Cells and Reduces Proliferation and Extracellular Matrix Protein Production. The 9th Annual Academic Surgical Congress, San Diego, CA. Feb. 5, 2014.
42. **Radhakrishnan RS**. Short Bowel Syndrome. University of Texas Medical Branch, Department of Pediatrics Grand Rounds. Galveston, TX. February 7, 2014.
43. Bohanon FJ, **Radhakrishnan RS**. CYD0692, A Potent Analog of Oridonin, Induces Apoptosis and Cell Cycle Arrest in Activated Hepatic Stellate Cells, and Reduces Proliferation and Extracellular Matrix Protein Production. American College of Surgeons, South Texas Chapter Annual Meeting. Austin, TX. February 22, 2014.
44. Saraf MK, Hawkins HK, Porter C, Chao T, Chondronikola M, **Radhakrishnan RS**, Finnerty CC, Herndon DN, Sidossis LS. Severe Burn Injury Alters the Morphology of Subcutaneous White Adipose Tissue. The 46th Annual Meeting of the American Burn Association. Boston, MA. Mar. 27, 2014.
45. Bohanon FJ, **Radhakrishnan RS**. Interactive Case Presentation: Multi-Staged Repair of a Complex Cloacal Malformation. The 43rd International Symposium of Pediatric Surgery, Obergurgl, Austria. April 7, 2014.
46. Wang X, Bohanon FJ, Ding C, Ding Y, Radhakrishnan GL, Rastellini C, Zhou J, **Radhakrishnan RS**. Enhanced Anti-Fibrotic Effects of Novel Oridonin Derivative CYD0692 in Hepatic Stellate Cells. Digestive Disease Week, 2014. Chicago, IL. May 3, 2014.
47. Bohanon FJ, Wang X, Herndon DN, El-Ayadi A, Ding Y, Wetzel M, Rastellini C, Finnerty CC, Zhou J, **Radhakrishnan RS**. Oridonin Inhibits Burn Injury-Induced Activation and Inflammatory Signaling of Hepatic Stellate Cells. Singleton Surgical Society 61<sup>st</sup> Annual Scientific Meeting. Galveston, TX. June 13, 2014.
48. Graham BM, Bohanon FJ, Wang X, Ding C, Ding Y, Radhakrishnan GL, Rastellini C, Zhou J, **Radhakrishnan RS**. Enhanced Anti-Fibrogenic Effects of Novel Oridonin Derivative CYD0692 in Hepatic Stellate Cells. Singleton Surgical Society 61<sup>st</sup> Annual Scientific Meeting. Galveston, TX. June 13, 2014.
49. Tosur M, Matalon R, **Radhakrishnan RS**, Tarry W, Dong JL, Lee PDK. Persistent Müllerian Duct Syndrome Associate with 46, XY, Del (10q25.3q26.1300). The 16<sup>th</sup> International Congress of Endocrinology/The Endocrine Society's 96<sup>th</sup> Annual Meeting and Expo. Chicago, IL. June 21, 2014.
50. Bohanon FJ, Griffin LW, Rashidi L, Hsieh S, Radhakrishnan GL, **Radhakrishnan RS**. A Case Series of Laparoscopic Duodenojejunostomy for the Treatment of Pediatric Superior Mesenteric Artery Syndrome. The International Pediatric Endosurgery Group's 23<sup>rd</sup> Annual Congress for Endosurgery in Children. Edinburgh, Scotland. July 24-25, 2014.
51. Hsieh S, **Radhakrishnan RS**. Congenital Diaphragmatic Hernia. University of Texas Medical Branch, Department of Surgery Grand Rounds. Galveston, TX. September 24, 2014.

52. Rashidi L, **Radhakrishnan RS**. Esophageal Resection and Replacement. University of Texas Medical Branch, Department of Surgery Grand Rounds. Galveston, TX. October 22, 2014.
53. Bohanon FJ, Wang X, Herndon DN, El-Ayadi A, Ding Y, Wetzel M, Rastellini C, Finnerty CC, Zhou J, **Radhakrishnan RS**. Oridonin Inhibits Burn Injury-Induced Activation and Inflammatory Signaling of Hepatic Stellate Cells. American College of Surgeons 101st Clinical Congress, Surgical Forum, San Francisco, CA. October 28, 2014.
54. Sidossis LS, Porter C, Chao T, Chondronikola M, Saraf M, Branski L, **Radhakrishnan RS**, Herndon DN. Browning of White Adipose Tissue in Humans: Effects on Energy Expenditure. The Obesity Society, Boston, MA. Nov 4, 2014.
55. Kandathiparampil AJ, Wang X, Bohanon FJ, Rastellini C, Zhou J, **Radhakrishnan RS**. Luteolin Attenuates Fibrogenesis and Affects the Cell Cycle in Activated Hepatic Stellate Cells. The 10th Annual Academic Surgical Congress, Las Vegas, NV. Feb. 5, 2015.
56. Bohanon FJ, Wang X, Graham BM, Ding C, Ding Y, Rastellini C, Zhou J, **Radhakrishnan RS**. Enhanced Anti-fibrosis Effects of Novel Oridonin Derivative CYD0682 for Hepatic Fibrosis *In Vitro*. The 10th Annual Academic Surgical Congress, Las Vegas, NV. Feb. 5, 2015.
57. Bohanon FJ, **Radhakrishnan RS**. Novel Oridonin Analog CYD0625 as Potential Antagonist of Hepatic Fibrogenesis by Inhibiting Extracellular Matrix Expression. South Texas Chapter Annual Meeting, American College of Surgeons. Houston, TX. February 28, 2015.
58. Hsieh S, **Radhakrishnan RS**. You Ate What? Foreign Body Ingestions in Pediatrics. University of Texas Medical Branch, Department of Surgery Grand Rounds. Galveston, TX. March 11, 2015.
59. Graham BM, Bohanon FJ, Griffin LW, Rashidi L, Hsieh S, Radhakrishnan GL, **Radhakrishnan RS**. A Case Series of Laparoscopic Duodenojejunostomy for the Treatment of Pediatric Superior Mesenteric Artery Syndrome. 3rd Annual Clinical & Translational Research Forum, Galveston, TX. March 11, 2015.
60. Kandathiparampil AJ, Bohanon FJ, Wang X, Rastellini C, Zhou J, **Radhakrishnan RS**. Luteolin Attenuates Fibrogenesis and Affects the Cell Cycle in Activated Hepatic Stellate Cells. 3rd Annual Clinical & Translational Research Forum, Galveston, TX. March 11, 2015.
61. Bohanon FJ, **Radhakrishnan RS**, Herndon DN, Wang X, Bhattarai N, Toliver-Kinsky TE, Sidossis L, Porter C. Burn trauma acutely increases respiratory capacity and function in liver mitochondria. 3rd Annual Clinical & Translational Research Forum, Galveston, TX. March 11, 2015.
62. Wang XF, Bohanon FJ, Kandathiparampil AJ, Rastellini C, Ding C, Ding Y, Zhou J, **Radhakrishnan RS**. Suppressive Effects of Novel Oridonin Derivative CYD0625 on Activated Hepatic Stellate Cells. Experimental Biology 2015. Boston, MA. March 29, 2015.
63. Saraf, MK, Herndon DN, Porter C, Chao T, Chondronikola M, Bhattarai N, Branski LK, **Radhakrishnan RS**, Mlcak RP, Sidossis LS. Morphological and Functional Changes in White Adipose Tissue After Severe Burn Injury. The 47th Annual Meeting of the American Burn Association. Chicago, IL. Apr. 22, 2015.

64. Wang XF, Kandathiparampil AJ, Bohanon FJ, Crowell WF, Rastellini C, Zhou J, **Radhakrishnan RS**. Suppressive Effects of Luteolin on Extracellular Matrix Protein Expression in Activated Hepatic Stellate Cells. Digestive Disease Week. Washington DC. May 17, 2015.
65. Bohanon FJ, Wang X, Herndon DN, El Ayadi A, Rastellini C, Finnerty CC, Zhou J, **Radhakrishnan RS**. Scalded Rat Serum is a Pro-inflammatory Stimulator of Hepatic Stellate Cells. 38<sup>th</sup> Annual Conference on Shock, Denver, CO. June 8, 2015.
66. Bohanon FJ, **Radhakrishnan RS**, Herndon DN, Wang X, Bhattarai N, Toliver-Kinsky TE, Sidossis L, Porter C. Burn trauma acutely increases respiratory capacity and function in liver mitochondria. 38<sup>th</sup> Annual Conference on Shock, Denver, CO. June 9, 2015.
67. Bohanon FJ, Wang X, Herndon DN, Bhattarai N, Toliver-Kinsky TE, Sidossis LS, Porter C, **Radhakrishnan RS**. Burn Trauma Acutely Increases Hepatic Mitochondrial O<sub>2</sub> Consumption *In Vivo* and *In Vitro*. 74<sup>th</sup> Annual Meeting of the American Association for the Surgery of Trauma and Clinical Congress of Acute Care Surgery. September 9, 2015.
68. Bohanon FJ, Kandathiparampil AJ, Wang XF, Rastellini C, Zhou J, **Radhakrishnan RS**. Luteolin Affects Human Hepatic Stellate Cell Proliferation via STAT3 Pathway. American College of Surgeons, Surgical Forum, October 4-8, 2015, Chicago, IL.
69. **Radhakrishnan RS**. Pediatric Hepatobiliary Masses. University of Texas Medical Branch, Department of Surgery Grand Rounds. Galveston, TX. January 27, 2016.
70. Bohanon FJ, Wang X, Nunez Lopez O, Kandathiparampil A, Ye N, Vasudevan SJ, Chen H, Zhou J, **Radhakrishnan RS**. Inhibition of Extracellular Matrix Protein Expression in Hepatic Stellate Cells by JHC0123, a Small-Molecule Inhibitor of STAT3. The 11th Annual Academic Surgical Congress, Jacksonville, FL. Feb 2016.
71. **Radhakrishnan RS**. Choledochal Cysts and Pediatric Liver Masses. University of Texas Medical Branch, Department of Pediatrics Grand Rounds. Galveston, TX. March 4, 2016.
72. Wang X, Bohanon FJ, Nunez Lopez O, Kandathiparampil, Zhou J, **Radhakrishnan RS**. Inhibitory Effect of Luteolin on Hepatic Stellate Cell Activation is STAT3 Dependent. Experimental Biology Annual Meeting, San Diego, CA. April 2-6, 2016.
73. Bohanon FJ, Herndon DN, Porter C, Chao T, Chondronikola M, Ogunbileje JO, Bhattarai N, Tran EA, Delgadillo AD, Mlcak RP, **Radhakrishnan RS**, Sidossis LS. Sepsis worsens central insulin sensitivity and peripheral muscle catabolism in severely burned adults. 48th Annual Meeting of the American Burn Association. Las Vegas, NV. May 3-6, 2016.
74. Nunez Lopez O, Bohanon FJ, Wang X, Porter C, El Ayadi A, Finnerty CC, Herndon DN, **Radhakrishnan RS**. Burn Injury is Associated with Increased Liver PGC1- $\alpha$  Expression In Vitro. . 48<sup>th</sup> Annual Meeting of the American Burn Association. Las Vegas, NV. May 3-6, 2016.
75. Wang X, Nunez Lopez O, **Bohanon FJ**, Vasudevan S, El Ayadi A, Finnerty CC, Herndon DN, Radhakrishnan RS. Natural Compound Oridonin Inhibits Burn Injury-Induced Inflammatory Response of Hepatic Stellate Cells In Vitro. 48<sup>th</sup> Annual Meeting of the American Burn Association. Las Vegas, NV. May 3-6, 2016.

76. Bohanon FJ, Wang X, Nunez Lopez O, Vasudevan S, Chen H, Zhou J, **Radhakrishnan RS**. Suppression of Hepatic Stellate Cell Activation by HJC0123, a Novel Small-Molecule Inhibitor of STAT3. Digestive Disease Week, San Diego, CA. May 21-24, 2016.
77. Nunez Lopez O, Zhu M, Wolf J, Bohanon FJ, Kramer GC, **Radhakrishnan RS**. Heart Rate Variability Detects TBI Shortly after Injury in Swine Model of Hemorrhage. Military Health System Research Symposium, August 16, 2016. Kissimmee, FL.
78. Bohanon FJ, Adhikari D, Mehta HB, Nunez Lopez O, Wang X, Wang J, Bowen-Jallow KA, **Radhakrishnan RS**. Sociodemographic Disparities Increase Neonatal Sepsis Mortality: A Nationwide Study. American College of Surgeons Clinical Congress, October 16-20, 2016. Washington, DC. Press release: <https://www.facs.org/media/press-releases/2016/radhakrishnan-101716>
79. Nunez Lopez O, Jupiter D, Adhikari D, **Radhakrishnan RS**, Bowen-Jallow KA. Bariatric Surgery in Adolescents: Factors Contributing Factors to Type of Surgery and Treatment Cost. The 12<sup>th</sup> Annual Academic Surgical Congress, February 7-9, 2017. Las Vegas, NV.
80. Nunez Lopez O, Wang X, Bohanon FJ, Tie H, Graham G, **Radhakrishnan RS**. Oridonin Enhances the Anti-inflammatory Effects of Heat Shock Protein 70 Inhibition in Hepatic Stellate Cells. Academic Surgical Congress, February 7-9, 2017. Las Vegas, NV.
81. Nunez Lopez O, Wang X, Zhu M, Bohanon FJ, Cambiaso-Daniel J, Rontoyanni V, Finnerty CC, Lee JO, Herndon DN, **Radhakrishnan RS**. Heart Rate Variability as a Diagnostic Tool in Burn Sepsis. Joint Meeting North & South Texas Chapters of the American College of Surgeons. Austin, TX. February 23-25, 2017.
82. Nunez Lopez O, Bohanon FJ, Adhikari D, **Radhakrishnan RS**, Bowen-Jallow K. Sociodemographic Determinants of Nonaccidental Traumatic Injuries in Children. Society of Black Academic Surgeons 27th Annual Scientific Meeting, April 27-29, 2017. Chicago, IL.
83. Nunez Lopez O, Wang X, Fang X, Finnerty CC, Zhou J, Herndon DN, **Radhakrishnan RS**. Inhibitory Effects of Oridonin on the TNF $\alpha$ -Induced Nf- $\kappa$ b Pathway Activation in Cardiomyocytes. The 40th Annual Conference on Shock, June 3-6, 2017. Fort Lauderdale, FL.
84. Zhu M, Shoja MA, **Radhakrishnan RS**. Heart Rate Variability Detects Sepsis from Urinary Tract Infection during the First Two Hours after ICU Admission. The 16th International Conference on Complex Acute Illness, July 27, 2017. Milan, Italy.
85. Zhu M, Wolf J, Bohanon FJ, Nunez-Lopez OA, Kramer GC, **Radhakrishnan RS**. Heart Rate Variability Detects Burn Injury with/without Sepsis from MIMIC II Data. Military Health System Research Symposium, August 28, 2017. Kissimmee, FL.
86. **Radhakrishnan RS**. Staged Surgical Closure of an Abernethy Malformation: A Case Report. Texas Surgical Society 201st Semi-Annual Meeting. San Antonio, TX. October 7, 2017.
87. Wang X, Fang X, Zhou J, **Radhakrishnan RS**. The Anti-inflammatory Effects of Novel Oridonin Analog CYD0693 in Rat Cardiomyocytes Involves the GRK2/NF- $\kappa$ B Pathway. Surgical Biology Club II Annual Scientific Meeting, October 22, 2017. San Diego, CA.



88. **Radhakrishnan RS**, Tyler DS. Personality Testing May Identify Applicants Who Will Become High Performing Residents. 13th Annual Academic Surgical Congress. January 17, 2018. Jacksonville, FL.
89. Cummins CB, Wang X, Xu J, Ding Y, Chen H, Zhou J, **Radhakrishnan RS**. Anti-fibrosis Effect of Novel Oridonin Analog CYD0618 via Suppression of NF- $\kappa$ B Pathway. 13<sup>th</sup> Annual Academic Surgical Congress. January 17, 2018. Jacksonville, FL.
90. Cummins CB, Hughes BD, Lopez ON, Prochaska J, Lyons E, Jupiter D, Perino K, Glaser A, **Radhakrishnan RS**, Bowen-Jallow K. Intensive Pediatric Weight Loss Program Associated with Decrease in Obesity-Related Biomarkers. 13th Annual Academic Surgical Congress. January 18, 2018. Jacksonville, FL.
91. Hughes BD, Cummins CB, Nunez-Lopez OA, Prochaska J, Lyons E, Jupiter D, Perino K, Glaser A, **Radhakrishnan RS**, Bowen-Jallow KA. Analysis of Multidisciplinary Pediatric Clinic Weight Reduction Program: Are Parents Disengaged? 13th Annual Academic Surgical Congress. January 18, 2018. Jacksonville, FL.
92. Cummins CB, Wang X, Hughes BD, Xu J, Fang X, Chen H, Finnerty C, Herndon DN, Zhou J, **Radhakrishnan RS**. Anti-inflammatory Effects of Novel Oridonin Analog CYD0693 in Rat Cardiomyocytes via Inhibition of NF- $\kappa$ B Signaling Pathway. Paper presented at: South Texas American College of Surgeons Annual Meeting. February 23, 2018. Houston, TX.
93. Cummins CB, Wang X, Xu J, Fang X, Chen H, Finnerty C, Herndon DN, Zhou J, **Radhakrishnan RS**. Anti-inflammatory effects of Novel Oridonin Analog CYD0693 in Rat Cardiomyocytes via Inhibition of NF- $\kappa$ B Signaling Pathway. Presented at 50<sup>th</sup> Annual American Burn Association Meeting; April 11, 2018; Chicago, IL.
94. Wen JJ, Cummins CB, Wang X, Herndon DN, **Radhakrishnan RS**. Burn Induced Cardiac Mitochondrial Dysfunction Associated with Inhibition of MtDNA Damage Repair, Antioxidant Response, and Mitochondrial Biogenesis. Presented at 41<sup>st</sup> Annual Conference on Shock. June 10, 2018. Scottsdale, AZ.
95. Wang XF, Cummins CB, Wen JJ, Finnerty CC, Herndon DN, Zhou J, Fang X, **Radhakrishnan RS**. Anti-inflammatory Effects of Novel Oridonin Analog CYD0538 in Rat Cardiomyocytes via Inhibition of NF- $\kappa$ B Signaling Pathway. 41<sup>st</sup> Annual Conference on Shock. Scottsdale, AZ. June 10, 2018.
96. Zhu M, Cummins CB, Nunez Lopez OA, Blears E, Wolf J, Bohanon FJ, Kramer GC, **Radhakrishnan RS**. Heart Rate Variability Detects Burn Injury With/Without Sepsis from Hospital Patient Data. Military Health System Research Symposium, August 21, 2018. Kissimmee, FL.
97. **Radhakrishnan RS**. The History of UTMB Pediatric Surgery. Halsted Society 92<sup>nd</sup> Annual Meeting. Palo Alto, CA. September 8, 2018.
98. Wen JJ, Cummins CB, Wang XF, Herndon DN, **Radhakrishnan RS**. Potential Mechanisms of Burn-Induced Cardiac Mitochondrial Dysfunction: Roles of PARP1-POLG-mtDNA and NFE2L2-Antioxidant Response Element Pathways. Society of Asian Academic Surgeons 3<sup>rd</sup> Annual Meeting. Milwaukee, WI. September 27, 2018.

99. Zatarain JR, Hughes BD, Amirkhosravi F, Poliner M, **Radhakrishnan RS**. Surgical Management of Foreign Body Bezoar in Displaced Autistic Child during Hurricane Harvey: A Case Report. Texas Surgical Society 203<sup>rd</sup> Semi-Annual Meeting. Fort Worth, TX. October 6, 2018.
100. Cummins CB, Wang X, Hughes BD, Wang P, Ding Y, Chen H, Zhou J, **Radhakrishnan RS**. Novel Oridonin Analogy CYD0617-2 Induces Activated Hepatic Stellate Cell Apoptosis by Suppressing NF- $\kappa$ B Signaling. Presented at American College of Surgeons Clinical Congress. October 23, 2018. Boston, MA.
101. Cummins CB, Hughes BD, Lopez ON, Prochaska J, Lyons E, **Radhakrishnan RS**, Bowen-Jallow KA. Predictors of Short-Term Follow-Up in an Adolescent Obesity Clinic. Presented at American Academy of Pediatrics National Conference & Exhibition. November 4, 2018. Orlando, FL.
102. Hughes BD, Mehta HB, Shan Y, **Radhakrishnan RS**, Bowen-Jallow KA. Pediatric Firearm-Related Injuries: Racial Disparities in the United States. Pediatric Trauma Society 5<sup>th</sup> Annual Meeting. Houston, TX. November 8, 2018.
103. Wen JJ, Cummins CB, Porter C, Herndon DN, **Radhakrishnan RS**. Burn Injury Induced Cardiac Mitochondrial Dysfunction Occurs Via the NO-cGMP-PKG1 $\alpha$  Pathway. American Heart Association Scientific Sessions 2018. Chicago, IL. November 12, 2018.
104. Cummins CB, Wang XF, Wen JJ, Herndon DN, Zhou J, **Radhakrishnan RS**. Oridonin Inhibits Endotoxin-Induced Pro-Inflammatory Cytokines Through NF- $\kappa$ B Pathway in Cardiomyocytes. 19<sup>th</sup> Congress of the International Society for Burn Injuries. New Delhi, IN. December 1, 2018.
105. Wen JJ, Radhakrishnan GL, Cummins CB, Porter C, Herndon DN, **Radhakrishnan RS**. Sildenafil Improves Severe Burn-Induced LV Dysfunction via Improved Mitochondrial Response. Presented at Keystone Symposia on Molecular and Cellular Biology. January 15, 2019. Keystone, CO.
106. Cummins CB, Wang XF, Iyer K, Graham G, Wen JJ, **Radhakrishnan RS**. Oridonin Inhibits TNF $\alpha$ -Induced MCP-1 Secretion via Suppression of NF- $\kappa$ B Pathway in Cardiomyocytes. The 14<sup>th</sup> Annual Academic Surgical Congress. Houston, TX. February 5, 2019.
107. Brown K, Angelos P, Banerjee A, Britt R, Dunn KB, Kennedy G, Kim R, Lau J, Nfosnam V, **Radhakrishnan RS**, Brown K. Assessing Knowledge and Skills of Surgical Leaders in Optimizing Organizational Culture. The 14<sup>th</sup> Annual Academic Surgical Congress. Houston, TX. February 6, 2019.
108. Cummins CB, Wang X, Wen JJ, **Radhakrishnan RS**. Preservation of Cardiac Function after Severe Burn via Inhibition of Mitochondrial Oxidative Stress Pathways. Presented at South Texas ACS Annual Meeting. February 9, 2019. Austin, TX.
109. Wen JJ, Radhakrishnan GL, Cummins CB, **Radhakrishnan RS**. Sildenafil Prevents Adverse Cardiac Remodeling and LV Dysfunction in an In Vivo Model of Burn Injury. Presented at 51<sup>st</sup> Annual American Burn Association Meeting. April 3, 2019. Las Vegas, NV.

110. Cummins CB, Wang X, Zhu M, Herndon DN, **Radhakrishnan RS**. Inhibition of GRK2 Suppressed TNF $\alpha$ -induced Inflammatory Signaling and Pro-Fibrotic Factor in Cardiomyocytes. Presented at 51<sup>st</sup> Annual American Burn Association Meeting; April 4, 2019. Las Vegas, NV.
111. Mohan N, Al-Dossari G, **Radhakrishnan RS**, Roughneen P. Congenital Pulmonary Artery Stenosis and Pulmonary Artery Aneurysm. Texas Surgical Society 204<sup>th</sup> Semi-Annual Meeting. McAllen, TX. April 6, 2019.
112. Wang X, Cummins CB, Gu Y, Vaishnavi KB, Zhou J, **Radhakrishnan RS**. Inhibitory Effects of Novel Oridonin Analog CYD0617-2 on Hepatic Stellate Cell Activation through NF- $\kappa$ B and STAT3 Pathways. Presented at Experimental Biology. April 7, 2019.
113. Cummins CB, Hughes BD, Richardson CJ, Abouleish AE, Tran S, **Radhakrishnan RS**, Bowen-Jallow KA. A Standardized Handoff Quality Improvement Program for Pediatric and Neonatal ICU Patients. Presented at 4<sup>th</sup> Annual Quality Improvement & Patient Safety Poster Session. May 5, 2019. Galveston, TX.
114. Cummins CB, Gu Y, Wang X, Lin YM, Shi XZ, **Radhakrishnan RS**. Burn-induced Impairment of Ileum Muscle Contractility is Associated with Increased Extracellular Matrix Components. Presented at The Surgical Society of the Alimentary Tract Resident and Fellows Research Conference. May 18, 2019. San Diego, CA.
115. Cummins CB, Gu Y, Wang X, Lin YM, Shi XZ, **Radhakrishnan RS**. Burn-induced Impairment of Ileum Muscle Contractility is Associated with Increased Extracellular Matrix Components. Presented at Digestive Disease Week. May 21, 2019. San Diego, CA.
116. Zhu M, Cummins CB, **Radhakrishnan RS**. Nonlinear Dynamics of Swine Heart Rate Variability Can Detect Traumatic Brain Injury Within 1 Hour of Injury. 42<sup>nd</sup> Annual Conference on Shock. Coronado, CA. June 10, 2019.
117. Wang XF, Cummins CB, Sommerhalder C, Gu Y, Hughes BD, Zhu M, **Radhakrishnan RS**. Cardioprotective Effects of ALLN after Burn injury Via Suppression of NF $\kappa$ B and Fibrotic Signaling. 42<sup>nd</sup> Annual Conference on Shock. Coronado, CA. June 10, 2019.
118. Wen JJ, Radhakrishnan GL, Cummins CB, **Radhakrishnan RS**. Using LC-MS/MS Based Targeted Proteomics to Monitor the Pattern of Heart Response to Burn Injury at 24 Hours Post Burn. 42<sup>nd</sup> Annual Conference on Shock. Coronado, CA. June 10, 2019.
119. Wen JJ, Radhakrishnan GL, Porter C, **Radhakrishnan RS**. Effects of Burn-induced Cardiac Released Factors on Cardiomyocyte and Profiles of Differentially Expressed Cardiac Mitochondrial Proteins. The 1<sup>st</sup> Asian Cardiovascular Symposium. Boston, MA. July 28, 2019.
120. Wen JJ, Radhakrishnan GL, Porter C, **Radhakrishnan RS**. Effects of Burn-induced Cardiac Released Factors on Cardiomyocyte and Profiles of Differentially Expressed Cardiac Mitochondrial Proteins. American Heart Association Basic Cardiovascular Sciences Scientific Sessions. Boston, MA. July 30, 2019.
121. Wen JJ, Radhakrishnan GL, **Radhakrishnan RS**. The Effect of Burn Injury on Cardiac Mitochondria. NHLBI Mitochondrial Biology Symposium. Bethesda, MD. September 26, 2019.

122. Pfof S, Nobecourt P, Ramdas D, Rapp A, **Radhakrishnan RS**. A Rare Case of Tracheal Atresia and Esophageal Atresia with Tracheo-Esophageal Fistula. Texas Surgical Society 205<sup>th</sup> Semi-Annual Meeting. Galveston, TX. October 5, 2019.
123. Cummins CB, Wang X, Gu Y, Fang X, **Radhakrishnan RS**. The Protective Effects of Oridonin on Intestinal Epithelial Cells by Suppressing TNF $\alpha$ -Induced Inflammation and Epithelial-Mesenchymal Transition. American College of Surgeons Clinical Congress. San Francisco, CA. October 28, 2019.
124. Cummins CB, Mason F, Hughes BD, **Radhakrishnan RS**. Predicting a Successful match into General Surgery using ERAS Data. American College of Surgeons Clinical Congress. San Francisco, CA. October 29, 2019.
125. Cummins CB, Wang X, Wen JJ, **Radhakrishnan RS**. Preservation of Cardiac Function after Severe Burn via Inhibition of Mitochondrial Oxidative Stress Pathways. American College of Surgeons Clinical Congress Surgical Forum. San Francisco, CA. October 30, 2019.
126. Cummins CB, Wright A, Hughes BD, Adnan SH, Williams KE, Prochaska JD, Suman O, Glaser A, **Radhakrishnan RS**, Bowen-Jallow KA. One Size Does Not Fit All: Sociodemographic Factors Affecting Weight Loss in Adolescents. Obesity Week 2019. Las Vegas, NV. November 11, 2019.
127. Wen JJ, **Radhakrishnan RS**. Therapeutic Inhibition of Mitochondrial Reactive Oxygen Species with Mito-TEMPO Reduces Burn Injury Induced Cardiomyopathy. American Heart Association Scientific Sessions. Pittsburgh, PA. Nov. 17, 2019.
128. Hancock KJ, Klimberg VS, **Radhakrishnan RS**, Tyler DS, Perez A. General Surgery Resident Utilization of Electronic Resources: 15 Minutes a Day. Southern Surgical Association 131<sup>st</sup> Annual Session. Hot Springs, VA. December 9, 2019.
129. Cummins CB, Wen JJ, **Radhakrishnan RS**. Cardiac Dysfunction After Burn Injury: The Role of the AMPK-SIRT1-PGC1 $\alpha$ -NFE2L2-ARE Pathway. Southern Surgical Association 131<sup>st</sup> Annual Session. Hot Springs, VA. December 10, 2019.
130. Bowen-Jallow KA, Cummins CB, Wright A, Prochaska JD, **Radhakrishnan RS**, Suman O, Thompson D. Gender-specific Predictors of Weight Loss in Diverse Adolescents with Obesity. Presented at Building Interdisciplinary Research Careers in Women's Health (BIRCWH) – Annual Meeting. Bethesda, MD. December 11, 2019.
131. Sommerhalder C, Cummins CB, Wang X, Ramdas D, Nunez Lopez O, Gu Y, Zhou J, **Radhakrishnan RS**. HJC0416 Attenuates Fibrogenesis in Activated Hepatic Stellate cells via STAT3 and NF- $\kappa$ B Pathways. 15<sup>th</sup> Annual Academic Surgical Congress. February 4, 2020. Orlando, FL.
132. Cummins CB, Wen JJ, Wang X, **Radhakrishnan RS**. Pathophysiology of Systemic Burn-Induced Inflammation and Fibrogenesis via PDE5-NO-cGMP Pathway. 15<sup>th</sup> Annual Academic Surgical Congress. February 5, 2020. Orlando, FL.

133. Cummins CB, Bowen-Jallow KA, Tran S, **Radhakrishnan RS**. Pediatric Surgery Resident Education Over the Last 15 Years. Presented at South Texas ACS Annual Meeting; March 6, 2020; Houston, TX.
134. Wen JJ, **Radhakrishnan RS**. Changes of Mitochondria-Related Gene Expression Profile Associated With burn-induced cardiomyopathy. 52nd American Burn Association (ABA) Annual Meeting, Mar. 17-20, 2020, Orlando, FL.
135. Wang X, Cummins CB, **Radhakrishnan RS**. Therapeutic Effect of Oridonin Against Inflammatory Bowel Disease Involves Inhibition of Intestinal Fibrosis via NF- $\kappa$ B Pathway. Presented at Experimental Biology; April 5, 2020; San Diego, CA.
136. Wen JJ, Porter C, Bhattarai N, **Radhakrishnan RS**. Burn Injury Induced Cardiac Mitochondrial Dysfunction via Interruption of PDE5A-cGMP-PKG Pathway. Presented at: The New York Academy of Sciences: Mitochondria in Complex Diseases. Apr. 21, 2020.
137. Cummins CB, Wang X, Gu Y, Song J, **Radhakrishnan RS**. Burn-Induced Ileal Fibrosis May Involve TNF $\alpha$ -mediated Epithelial-Mesenchymal Transition via NF- $\kappa$ B and p38 Pathways. Presented at Digestive Disease Week. May 3, 2020.
138. Wang X, Cummins CB, **Radhakrishnan RS**. The Protective Effects of Oridonin via NF- $\kappa$ B and RhoA/ROCK Pathways in Intestinal Cells After Burn. Presented at 43<sup>rd</sup> Annual Shock Society Meeting; June 6, 2020. Toronto, CA.
139. Zhu M, Cummins CB, **Radhakrishnan RS**. Nonlinear Analysis of Arterial Blood Pressure Can Detect Traumatic Brain Injury. Presented at 43<sup>rd</sup> Annual Shock Society Meeting; June 6, 2020. Toronto, CA.
140. Wen JJ, **Radhakrishnan RS**. Analysis of Burn-Induced Circulating Factors on Cardiac Mitochondria. Presented at: 43<sup>rd</sup> Shock Society 2020 Annual Conference. Toronto, CA. June 7, 2020.
141. Cummins CB, Bowen-Jallow KA, Tran S, **Radhakrishnan RS**. Education of Pediatric Surgery Residents Over Time: Examining 15 Years of Case Logs. Presented at American Pediatric Surgery Association Annual Meeting; June 7, 2020.
142. Cummins CB, Wang X, Gu Y, Song J, **Radhakrishnan RS**. Burn-Induced Ileal Extracellular Matrix Upregulation Associated with Epithelial to Mesenchymal Transition. Presented at 52<sup>nd</sup> Annual American Burn Association Meeting. June 17, 2020.
143. Wen JJ, **Radhakrishnan RS**. Changes of Mitochondria-Related Gene Expression Profile Associated with Burn-Induced Cardiomyopathy. Presented at 52<sup>nd</sup> American Burn Association (ABA) Annual Meeting. Orlando, FL. June 17, 2020.
144. Wen JJ, **Radhakrishnan RS**. The Role of Mito Tempo In Burn Injury-Induced Heart Dysfunction. American Heart Association Basic Cardiovascular Sciences Scientific Sessions, Chicago, IL. Jul. 27, 2020.

145. Wen J-J, **Radhakrishnan RS**. PDE5A Inhibition in Burn-induced Cardiac Dysfunction. American Heart Association Basic Cardiovascular Sciences Scientific Sessions, Chicago, IL. Jul. 27, 2020.
146. Wen JJ, **Radhakrishnan RS**. Mechanism of Burn-induced Cardiac Dysfunction. XXXVIII International Society for Heart Research-North American Annual Meeting (virtual), October 9-10, 2020.
147. Cummins CB, Ahn M, Williams TP, Hancock KJ, **Radhakrishnan RS**. Education of General Surgery Residents Over Time: Examining 20 Years of Case Logs. American College of Surgeons, Chicago, IL. October 4-7, 2020
148. Cummins CB, Wang X, Gu Y, Song J, **Radhakrishnan RS**. The Therapeutic Effect of Oridonin through NF- $\kappa$ B and p38 Signaling in Burn Sepsis. American College of Surgeons, Chicago, IL. October 4-7, 2020.
149. Willams TP, Cummins CB, Hancock KJ, **Radhakrishnan RS**. A Multimodal Resident Education Curriculum Improves American Board of Surgery Training Examination Performance. American College of Surgeons, Chicago, IL. October 4-7, 2020
150. Suzuki Y, Patino J, **Radhakrishnan RS**. Extracorporeal Membrane Oxygenation for Pediatric Burn Patient with Respiratory Failure: Management Improving over Time? American College of Surgeons, Chicago, IL. October 4-7, 2020.
151. Suzuki Y, Patino J, **Radhakrishnan RS**. Extracorporeal Membrane Oxygenation for Pediatric Burn Patient with Respiratory Failure: Management Improving Over Time? American College of Surgeons Clinical Congress 2020. Virtual Presentation. October 3-7, 2020.
152. Wen JJ, Cummins CB, **Radhakrishnan RS**. Circulating Factors Induce Cardiomyopathy After Burn Injury. American Heart Association Scientific Sessions 2020. Dallas, TX. Nov. 14-16, 2020.
153. Wen JJ, **Radhakrishnan RS**. PARP-1 Inhibitor Abolishes the Heart Dysfunction After Burn Injury Through Activation of Mitochondrial Biogenesis Axis. The 27th Annual Conference of the Society for Redox Biology and Medicine, Orlando, FL USA, Nov. 18-21, 2020.
154. Wen JJ, **Radhakrishnan RS**. The role of NF $\kappa$ B-ROS Axis in Burn-Induced Cardiac Dysfunction. The 1st International Electronic Conference on Biomolecules (IECBM): Natural and Bio-Inspired Therapeutics for Human Diseases (virtual), Dec. 1-13, 2020.
155. Wen JJ, **Radhakrishnan RS**. The Role of Mito Tempo in Burn Injury-Induced Heart Dysfunction. The 132nd Annual Meeting of the Southern Surgical Association (virtual). Dec. 8-11, 2020.
156. Wen JJ, **Radhakrishnan RS**. PARP-1 inhibitor abolishes the heart dysfunction in burn injury rats through activation of mitochondrial biogenesis axis. Cell-to-Cell Metabolic Cross-Talk in Physiology and Pathology. Cells 2020 (virtual), Dec. 17-18, 2020.

157. Cummins CB, Williams TP, Hughes BD, **Radhakrishnan RS**. Does Personality Testing of Surgical Residency Candidates Predict Match Results? Academic Surgical Congress (virtual), February 3, 2021.
158. Kassab C, Cunningham A, Suzuki Y, Colvill K, Dong J, Stevenson-Lerner H, **Radhakrishnan R**. Mixed Hepatocellular Cholangiocarcinoma with Neuroendocrine Differentiation in a Pediatric male: a case report. Presented at Texas Surgeons Summit, February 24-26, 2021.
159. Iglesias N, Williams TP, Cummins CB, Kalaria S, Perez A, Colvill K, Walker JP, **Radhakrishnan RS**. Reviewing Nearly a Decade of ACGME Plastic Surgery Fellowship Case Logs: Is Surgical Experience Increasing? Presented at Texas Surgeons Summit, February 24-26, 2021.
160. Colvill KM, Williams TP, Cummins CB, **Radhakrishnan RS**. Predicting General Surgery Match Outcomes Using Standardized Rankings. Presented at Texas Surgeons Summit, February 24-26, 2021.
161. Wen JJ, **Radhakrishnan RS**. Application of In-Cell Western Blot in Cardiac Dysfunction After Burn Injury. American Burn Association 53rd Annual Meeting (virtual) Apr. 07-09, 2021.
162. Zhu M, Cummins CB, **Radhakrishnan RS**. Nonlinear Dynamic Analysis of Heart Rate Variability Can Detect Sepsis in Severe Burns. 53<sup>rd</sup> Annual American Burn Association Meeting (virtual), April 7-9, 2021.
163. Colvill KM, Williams TP, Cummins CB, **Radhakrishnan RS**. Predicting General Surgery Match Outcomes Using Standardized Ranking Metrics. North and South Texas American College of Surgeons Chapters Joint Virtual Meeting. Oral Presentation. April 28-30, 2021.
164. Kassab C, Cunningham A, Suzuki Y, Colvill K, Dong J, Stevenson-Lerner H, **Radhakrishnan RS**. Mixed Hepatocellular Cholangiocarcinoma with Neuroendocrine Differentiation in a Pediatric Male: A Case Report. North and South Texas American College of Surgeons Chapters Joint Virtual Meeting. E-Poster. April 28-30, 2021.
165. Wen JJ Sr, **Radhakrishnan R**, Mobli K, Radhakrishnan GL. The Role of P-34 in the Protection of Burn-induced Cardiomyopathy. CTI Meeting Technology, Chicago, IL, June 6-12, 2021.
166. Wen JJ, Mobli K, Radhakrishnan GL, **Radhakrishnan RS**. The Role of PJ-34 in the Abrogation of Burn-Induced Cardiomyopathy. American Heart Association Basic Cardiovascular Sciences Scientific Session 2021 (virtual). Aug. 23-25, 2021.
167. Mobli K, Wang X, Gu Y, Mahony W, Cummins C, **Radhakrishnan RS**. The Anti-inflammatory Effect of Oridonin Involves NF- $\kappa$ B Pathway and Tight Junction Regulation in Lung Epithelial Cells (quick shot session 1). Society of Asian Academic Surgeons 6<sup>th</sup> Annual Meeting. Chicago, IL, September 25-26, 2021.
168. Suzuki Y, Mao MD, Mobli K, **Radhakrishnan RS**. Extracorporeal Membrane Oxygenation for Patients with Lung Cancer: Is the Utilization Justified in this High-risk Clinical Setting? Society of Asian Academic Surgeons 6<sup>th</sup> Annual Meeting. Chicago, IL, September 25-26, 2021.
169. Wen JJ, Mobli K, Radhakrishnan GL, **Radhakrishnan RS**. The Response of Cardiomyocytes to Burn-Injury Serum. 44th Annual Conference on Shock. Virtual. Oct. 12-15, 2021.

170. Wen JJ, Mobli K, Radhakrishnan GL, **Radhakrishnan RS**. Burn Injury-Induced Heart Dysfunction: Pathogenesis Related to Cardiac Mitochondria. 12nd World Congress on Targeting Mitochondria (virtual). Berlin, Germany. Oct.27-29, 2021.
171. Iglesias NJ, Williams TP, Cummins CB, Kalaria S, Colvill K, Walker JP, **Radhakrishnan RS**. Reviewing Nearly a Decade of ACGME Plastic Surgery Fellowship Case Logs: Is Surgical Experience Increasing? Presented at American College of Surgeons Clinical Congress, October 2021.
172. Onaiwu B, Piel J, Hughes B, **Radhakrishnan RS**, Lu RL, Perez A, Tyler DS, Walker JP. 1947 to Present: Evolving Strategies for Otologic Trauma Through Changing Times. Presented at American College of Surgeons Clinical Congress, October 2021.
173. Suzuki Y, DeAnda A, Cass S, Lentz Carvalho J, **Radhakrishnan RS**. Extracorporeal Membrane Oxygenation for Patients with Thoracic Neoplasm (Abstract ID: 87). Southern Thoracic Surgical Association 68<sup>th</sup> Annual Meeting, Atlanta, Georgia, November 3-6, 2021.
174. Suzuki Y, DeAnda A, Iglesias N, Mao RD, **Radhakrishnan RS**. Extracorporeal Life Support After Cardiac Intervention Provides Reasonable Survival Even in Patients with Malignancies. Presented at American Heart Association Scientific Session, November 13, 2021.
175. Wen J, Mobli K, Radhakrishnan GL, **Radhakrishnan RS**. The Nuclear Factor Erythroid 2-Related Factor 2 (Nrf2) Activation Attenuates Burn-Induced Cardiomyopathy. 133rd Annual Meeting of the Southern Surgical Association. Hot Springs, Virginia. Dec. 5-8, 2021.
176. Mobli K, Zhu M, Song J, **Radhakrishnan RS**. The Correlation Coefficient Between Sepsis and Mortality in a Single Institution (2010-2020). Presented at the Academic Surgical Congress, Orlando FL. February 1, 2022.
177. Mao RD, Colvill KM, Williams TP, Cummins CB, **Radhakrishnan RS**. Predicting General Surgery Match Outcomes Using Standardized Ranking Metrics. Presented at the Academic Surgical Congress, Orlando FL. February 3, 2022.
178. Mobli K, Wang XF, Gu Y, Cummins CB, **Radhakrishnan RS**. Oridonin Inhibits TNF $\alpha$ -Induced ICAM-1 Through Impairing HSP70/NF- $\kappa$ B Pathway In Lung Epithelial Cells. Presented at the Academic Surgical Congress, Orlando FL. February 3, 2022.
179. Mobli K, Wen JJ, Radhakrishnan GL, **Radhakrishnan RS**. Up-Regulation of Immune Related Key Genes in Burn Induced Cardiac Dysfunction. Presented at the American Burn Association 54<sup>th</sup> Annual Meeting, Las Vegas, NV. April 7, 2022.
180. Price A, Mobli K, **Radhakrishnan RS**. Trends in Congenital Anomalies: A Review of the Texas Birth Defects Registry, 1999-2014. Presented at the 208<sup>th</sup> Semi-Annual Texas Surgical Society Meeting, Lubbock, TX. April 23, 2022.
181. DeJesus J, Hughes BD, Geissler E, Gaffey J, DeFilippo C, **Radhakrishnan RS**. Type II Choledochal Cyst Arising from the Cystic Duct. Presented at the 208<sup>th</sup> Semi-Annual Texas Surgical Society Meeting, Lubbock, TX. April 23, 2022.



182. Mao RM, Wang X, Gu Y, **Radhakrishnan RS**. Therapeutic Effect of Oridonin Against Inflammatory Bowel Disease Involves Inhibition of Intestinal Fibrosis via Nf- $\kappa$ B and p38/STAT1 Pathways. Presented at the 37<sup>th</sup> Annual Residents and Fellows Research Conference. Society for Surgery of the Alimentary Tract. San Diego, CA. May 21, 2022.
183. Mao RM, Wang X, Gu Y, **Radhakrishnan RS**. Therapeutic Effect of Oridonin Against Inflammatory Bowel Disease Involves Inhibition of Intestinal Fibrosis via Nf- $\kappa$ B and p38/STAT1 Pathways. Presented at the 63<sup>rd</sup> Annual Meeting of The Society for Surgery of the Alimentary Tract. Digestive Disease Week. San Diego, CA. May 22, 2022.
184. Wen JJ, Mobli K, Radhakrishnan GL, **Radhakrishnan RS**. Protective role of PARP1 Inhibitor for Burn-Induced Cardiac Cytokines Cascade Occurs Via Re-Balancing of TLR-related key genes. 134<sup>th</sup> Annual Meeting of The Southern Surgical Association. The Breakers Resort in Palm Beach, FL. Dec. 4-7, 2022.
185. Wen JJ, Dejesus J, **Radhakrishnan RS**. The Role of HMGB1 in Burn-Induced Cardiac Dysfunction. 18<sup>th</sup> Annual Academic Surgical Congress (ASC) Annual Meeting. February 7-9, 2023, Houston, TX.
186. Price A, Shah NR, Mobli K, O'Leary S, **Radhakrishnan RS**. Congenital Anomalies Treated by Pediatric Surgeons: Analyzing the Texas Birth Defects Registry. 18<sup>th</sup> Annual Academic Surgical Congress (ASC) Annual Meeting. February 7-9, 2023, Houston, TX.
187. O'Leary S, Price A, Ortiz de Elguera J, Shah NR, DeAnda A, **Radhakrishnan RS**. An 18-Year Analysis of Cardiac and Circulatory Congenital Defects in Texas Children. Presented at the North and South Texas American College of Surgeons Annual Meeting. February 17-19, 2023, Austin, TX.
188. James K, Badders J, Mobli K, **Radhakrishnan RS**. Colonic Interposition for Gastroesophageal Replacement in a Pediatric Patient: A Case Report. Presented at the South Texas American College of Surgeons Annual Meeting. February 17-19, 2023, Austin, TX.
189. DeFillippo C, Shah NR, Mao RM, Williams TP, **Radhakrishnan RS**. Pancreatic Duplication Cysts in an Asymptomatic Infant: A Unique Case Report and Review of the Literature. Presented at the South Texas American College of Surgeons Annual Meeting. February 17-19, 2023, Austin, TX.
190. Wang X, Gu T, DeJesus J, Fagg WS, Zhou J, **Radhakrishnan RS**. A Novel Oridonin Analog CYD0682 Protects Against Liver Fibrosis through Inhibiting HSP90/NF- $\kappa$ B Pathway in Hepatic Stellate Cells. Presented at the American Society for Biochemistry and Molecular Biology Annual Meeting. March 26, 2023, Seattle, WA.
191. Price A, O'Leary S, Shah NR, Ortiz de Elguera J, **Radhakrishnan RS**. Trends of Urological Congenital Defects: A Longitudinal Analysis of the Texas Birth Defects Registry from 1999-2017. Presented at the Texas Surgical Society 210<sup>th</sup> Semi-Annual Meeting. April 15, 2023, Tyler, TX.

#### INVITED LECTURES AT SYMPOSIA AND CONFERENCES:

1. **Radhakrishnan RS.** Crystalloid vs. Colloid Resuscitation. University of Texas Health Sciences Center Houston, Department of Surgery Grand Rounds. October 12, 2006.
2. **Radhakrishnan RS.** Vascular Trauma: Superior Mesenteric Vein Injuries. University of Texas Health Sciences Center Houston, Department of Cardiothoracic and Vascular Surgery Grand Rounds. September 28, 2007.
3. **Radhakrishnan RS.** Vascular Trauma: Popliteal Artery Injuries. University of Texas Health Sciences Center Houston, Department of Cardiothoracic and Vascular Surgery Grand Rounds. October 24, 2008.
4. **Radhakrishnan RS.** An Introduction to Trauma at Children’s Memorial Hospital. Northwestern University – Children’s Memorial Hospital Trauma Surgery Grand Rounds. July 12, 2010.
5. **Radhakrishnan RS.** Resuscitation of the Critically Injured Patient with Blunt Liver Injury. Northwestern University – Children’s Memorial Hospital Trauma Surgery Grand Rounds. July 12, 2010.
6. **Radhakrishnan RS.** Interactive Case Presentation: Tracheo-Esophageal Fistula with Esophageal Atresia. The 41st International Symposium of Pediatric Surgery, Obergurgl, Austria. April 17, 2012.
7. **Radhakrishnan RS.** Overview of Machine Learning Techniques for Use in Medical Research. Smart Monitoring 2012, Ft. Lauderdale, FL. August 11, 2012.
8. **Radhakrishnan RS.** Pediatric Hepatobiliary Masses. The Medical Center of Southeast Texas Grand Rounds, Port Arthur, TX. November 29, 2012.
9. **Radhakrishnan RS.** Keynote Address to Graduating Medical Student Class. Gold Humanism Honor Society. University of Texas Medical Branch. Galveston, TX. March 14, 2013.
10. **Radhakrishnan RS.** Neonatal Surgical Emergencies: A Very Brief Overview. Beach Babies 6<sup>th</sup> Annual Neonatal Nursing Conference. Galveston, TX. April 20, 2013.
11. **Radhakrishnan RS.** Scraping a Solution for Constipation and Fecal Incontinence. Pediatrics by the Gulf: 63<sup>rd</sup> Annual Conference on Advances in Pediatrics. Galveston, TX. June 21, 2014
12. **Radhakrishnan RS.** Vascular Disease in the Liver. Gastroenterology Board Review Series. Audio-Digest, August 20, 2014.
13. **Radhakrishnan RS.** The Current Role of Surgery in Pediatric Cancers. Robert E. Askew, Sr., MD Cancer Symposium. Austin, TX. September 3, 2015.
14. **Radhakrishnan RS.** Intestinal Malrotation: Knot a Simple Anomaly. Beaumont Baptist Hospital, Beaumont, TX. May 24, 2016.
15. **Radhakrishnan RS.** Staged Surgical Closure of an Abernethy Malformation: A Case Report. Texas Surgical Society 201st Semi-Annual Meeting. San Antonio, TX. October 7, 2017.
16. **Radhakrishnan RS.** The History of UTMB Pediatric Surgery. Halsted Society 92nd Annual Meeting. Palo Alto, CA. September 8, 2018.

17. **Radhakrishnan RS.** Necrotizing Enterocolitis. University of Texas Medical Branch, Department of Anesthesiology, Resident Didactic Lecture. Galveston, TX. January 7, 2019.
18. **Radhakrishnan RS.** ECMO Physiology: An Overview with COVID-19 Update. University of Texas Medical Branch, Department of Internal Medicine, Division of Pulmonary and Critical Care Medicine, Multidisciplinary COVID-19 ICU Lecture Series. Galveston, TX. May 1, 2020.
19. **Radhakrishnan RS.** Intestinal Malrotation. University of Texas Medical Branch, Department of Anesthesiology, Resident Didactic Lecture. Galveston, TX. October 25, 2020.
20. **Radhakrishnan RS.** The Cardiac Response to Acute Burn Injury. Johns Hopkins University, Department of Surgery Grand Rounds. Baltimore, MD. March 25, 2021.
21. **Radhakrishnan RS.** Cardiac Dysfunction after Burn Injury is Attenuated by Nrf2 Activation. Society for South Asian Heart Research. The 4<sup>th</sup> Asian Cardiovascular Symposium. Basic Cardiovascular Sciences Scientific Session, American Heart Association. Chicago, IL. July 24, 2022.
22. **Radhakrishnan RS.** Academic Surgery: Exploring Careers Speed Networking Symposium. American Society for Biochemistry and Molecular Biology Annual Meeting. March 25, 2023, Seattle, WA.

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Signature

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Date