

Curriculum vitae

Date Prepared: January 10, 2023
Name: Mark Ryan, MD, MSPH, FACS
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Place of Birth: Las Vegas, NV

Education

Year	Degree (Honors)	Field of Study (Thesis advisor for PhDs)	Institution
2010-2014	M.S.P.H.	Epidemiology/Public Health	University of Miami
2002-2007	M.D.	Medicine (with distinction in surgical research)	Albert Einstein College of Medicine/Yeshiva University
1998-2002	B.S. (Cum laude)	Major: Biology, Minor: English Literature	Arizona State University, Barrett Honors College

Postdoctoral Training

Year(s)	Titles	Specialty/Discipline (Lab PI for postdoc research)	Institution
2016-2018	Fellow	Pediatric Surgery	Arkansas Children's Hospital, University of Arkansas for Medical Science
2015-2016	Fellow	Surgical Critical Care	Le Bonheur Children's Hospital, University of Tennessee Health Science Center
2009-2011	Fellow	Trauma Research (PI: Kenneth Proctor, PhD)	University of Miami Miller School of Medicine
2007-2014	Resident	General Surgery	Jackson Memorial Hospital, University of Miami

Current Licensure and Certification

Licensure

2018: Texas Medical License
2016: Arkansas Medical License (Expired)
2014: Tennessee Medical License (Expired)

2007: Miami Medical License (Expired)

Board and Other Certification

2019: Board Certified, Pediatric Surgery (Recertified 2021)

2015: Board Certified, Surgical Critical Care (Expires 2026)

2014: Board Certified, General Surgery (Expires 2025)

Honors and Awards

Year	Name of Honor/Award	Awarding Organization
2021	Fellow of the American College of Surgeons	American College of Surgeons
2012	Robert Zeppa Resident Research Award	Jackson Memorial Hospital, University of Miami
2011	Medical Student/Resident Scholarship	American Association for the Surgery of Trauma
2004	Honorable mention, general surgery scientific paper	Society of Laparoscopic Surgeons 13 th Annual Congress and Endo Expo

Appointments at Hospitals/Affiliated Institutions

<u>Past</u>			
Year(s)	Position Title	Department/Division	Institution
2016	Clinical Instructor	Surgery, Division of Trauma/Critical Care	University of Tennessee Health Science Center
<u>Current</u>			
Year(s)	Position Title	Department/Division	Institution
2018	Assistant Professor	Surgery, Division of Pediatric Surgery	UT Southwestern

Major Administrative/Leadership Positions

Year(s)	Position Title	Institution
2020	Surgical Medical Director, ECMO	Children's Medical Center Dallas
2018	Surgical Medical Director, Trauma Intensive Care Unit	Children's Medical Center Dallas
2018	Associate Trauma Medical Director	Children's Medical Center Dallas

Committee Service

Year(s)	Name of Committee	Institution/Organization
<u>Hospital</u>		
2020	PICU Leadership Committee	Children's Medical Center Dallas
2020	Point of Care Ultrasound (POCUS) Committee	Children's Medical Center Dallas
2018	Emergency Management Committee	Children's Medical Center Dallas
<u>National/International</u>		
2022	Trauma Research Network, UTSW Representative	ATOMAC+ Research Consortium

Professional Societies

Dates	Society Name, member
2020-present	American College of Surgeons (ACS), Fellow
2018-present	Pediatric Trauma Society (PTS), Member
2018-present	International Pediatric Endosurgery Group (IPEG), member
2016-present	American Pediatric Surgical Association, member
Committees	
2022	IPEG Technology Entrepreneurship and Commercialization (TEC) Committee
2022	PTS Trauma Guidelines Hub
2022	AAST Pediatric Trauma Committee
2021	APSA Surgical Critical Care Committee
2021	APSA Trauma Committee
Fellowships	
2021	Fellow of the American College of Surgeons

Editorial Activities

Year(s)	Journal Name
<u>Ad Hoc Reviewer</u>	
2022	Journal of Pediatric Surgery

Teaching Activities

Year(s)	Activity
<u>Medical and graduate school didactic and small group teaching</u>	
2021-22	Medical Student Suturing Workshop
2018-2022	Laparoscopy/Thoracoscopy Simulation lab, pediatric surgery fellows
2021-2022	Parkland Surgical Critical Care Fellows Lectures: Nonconventional Ventilation

2020-2022	Medical Student Lectures: Basics of ventilation
2019	Medical student consent examinations
<u>Qualifying examination committees</u>	
2020-2022	Mock Oral Examinations, pediatric surgery fellows
<u>Committees concerned with medical and graduate student education</u>	
2023	Academy of Master Educators in Surgery (AMES) Program
<u>Postgraduate medical education (graduate & continuing medical education)</u>	
2020	PICU Fellow Orientation: ECMO Course
2018	Trauma Mass Casualty Simulation Exercise
<u>Postdoctoral trainees</u>	
2022-Present	Laura Purcell, MD, Pediatric Surgery Fellow, UTSW Medical Center, Dallas, TX
2021-Present	Kristin Gee, MD, Pediatric Surgery Fellow, UTSW Medical Center, Dallas, TX
2020-2022	Sarah Cairo, MD, MPH, Assistant Professor, UCSF Beniof Children's Hospitals, San Francisco, CA
2019-2021	Jessica Zagory, MD, Assistant Professor, LSU Health School of Medicine, New Orleans, LA
2018-2020	Leslie Knod, MD, Assistant Professor, University of Connecticut School of Medicine, Hartford, CT

Invited Lectures

Year(s)	Title	Location
<u>Regional/Local</u>		
2022	CMC Firearm Safety Lecture	Children's Medical Center, Dallas, TX
2022	Emergency Medicine Grand Rounds: Mass Casualty Simulation	Children's Medical Center, Dallas, TX
2021	APP Research Presentation: Noninvasive Hemoglobin Monitoring	Children's Medical Center, Dallas, TX
2021	Trauma Grand Rounds: Admissions Patterns During COVID Pandemic	Children's Medical Center, Dallas, TX
2020	Virtual Grand Rounds: Respiratory Failure, Ventilation, ECMO	Children's Medical Center, Dallas, TX
2019	PESN Trauma Nursing Conference Lecture	Children's Medical Center, Dallas, TX
2019	Trauma Grand Rounds – Management of Pancreatic Injuries	Children's Medical Center, Dallas, TX
2019	Grand Rounds – Evaluation of Pediatric Trauma Patients	Texas Health Presbyterian, Dallas, TX
2019	Pediatric Surgery Grand Rounds: Predictors of Fluid Responsiveness	Children's Medical Center, Dallas, TX

2018	Trauma Grand Rounds: Solid Organ Injury and Noninvasive Monitoring	Children's Medical Center, Dallas, TX
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Bibliography

Peer-Reviewed Publications

Original Research Articles

1.	Ryan ML , Gillory L, Mutore KT, Chung DH, Pandya S. Improving billing and collections in a high-volume pediatric surgery practice: a denial-based approach. In press
2.	Gillory L, Cairo S, Megison S, Vinson L, Chung D, Ryan ML . Effect of Quarantine and Reopening Measures on Pediatric Trauma Admissions During the COVID-19 Pandemic. <i>JACS</i> . 2022 Apr; 234(4); 685-90
3.	Sanford EL, Zagory J, Blackwell J, Szmuk P, Ryan ML , Ambardekar A. Changes in pediatric trauma during COVID-19 stay-at-home epoch at a tertiary pediatric hospital. <i>J Pediatr Surg</i> . 2021 May; 56(5): 918-22
4.	Mokdad AA, Wolf LW, Pandya S, Ryan ML , Qureshi, FG. Road traffic accidents and disparities in child mortality. <i>Pediatrics</i> . 2020 Oct; 146(5): e20193009
5.	Bonasso PC, Dassinger MS, Ryan ML , Gowen MS, Burford JM, Smith SD. 24-hour and 30-day perioperative mortality in pediatric surgery. <i>J Pediatr Surg</i> . 2019 Apr; 54(4): 628-630.
6.	Ryan ML , Maxwell AC, Manning L, Jacobs JD, Bachier-Rodriguez M, Feliz A, Williams RF. Noninvasive hemoglobin measurement in pediatric trauma patients. <i>J Trauma Acute Care Surg</i> . 2016 Dec; 81(6): 1162-6.
7.	Ryan ML , Van Haren RM, Thorson CM, Andrews DM, Perez EA, Neville HL, Sola JE, Proctor KG: Trauma induced hypercoagulability in pediatric patients. <i>J Pediatr Surg</i> . 2014 Aug; 49(8): 1295-9.
8.	Thorson CM, Van Haren RM, Ryan ML , Curia E, Sleeman D, Levi Ju, Livingstone AS, Proctor KG: Pre-existing hypercoagulability in patients undergoing potentially curative cancer resection. <i>Surgery</i> . 2014 Jan; 155(1): 134-44
9.	Van Haren RM, Ryan ML , Thorson CM, Namias N, Livingstone AS, Proctor KG: Bilateral near infrared spectroscopy for detecting traumatic vascular injury. <i>J Surg Res</i> 2013 Apr; 184(1), 526-527.
10.	Thorson CM, Ryan ML , Pereira R, Olloqui J, Otero CA, Schulman CI, Livingstone AS, Proctor KG. Change in hematocrit during trauma assessment predicts bleeding even with ongoing fluid resuscitation. <i>Am Surg</i> 2013 Apr;79(4):398-406.
11.	Thorson CM, Van Haren RM, Ryan ML , Curia E, Sleeman D, Levi JU, Livingstone AS, Proctor KG: Persistence of hypercoagulable state after resection of intraabdominal malignancies. <i>J Am Coll Surg</i> 2013 Apr;216(4):580-9
12.	Davis JS, Ryan ML , Fields JM, Neville HL, Perez EA, Sola JE. Use of CT enterography for the diagnosis of lower gastrointestinal bleeding. <i>J Pediatr Surg</i> . 2013 Mar; 48(3):681-4
13.	Thorson CM, Van Haren RM, Ryan ML , Pereira R, Olloqui J, Guarch GA, Curia E, Barrera JM, Buska AM, Livingstone AS, Proctor KG. Admission hematocrit and transfusion requirements after trauma. <i>J Am Coll Surg</i> 2013 Jan;216(1):65-73
14.	Davis JS, Ryan ML , Perez EA, Neville HL, Bronson SN, Sola, JE: ECMO hospital volume and survival in congenital diaphragmatic hernia repair. <i>J Surg Res</i> 2012 Dec; 178(2):791-6
15.	Thorson CM, Ryan ML , Van Haren RM, Curia E, Barrera J, Guarch GA, Busko AM, Namias N, Livingstone AS, Proctor KG: Venous thromboembolism after trauma: a never event? <i>Crit Care Med</i> 2012 Nov; 40(11):2967-73.
16.	Thorson CM, Van Haren RM, Ryan ML , Curia E, Sleeman D, Levi Ju, Livingstone AS, Proctor KG: Preoperative hypercoagulability is associated with advanced disease in cancer. <i>J Am Coll Surg</i> 2012 Sept; 215 (3S); S128-9.

17.	Ryan ML , Ogilvie MP, Pereira BMT, Gomez-Rodriguez JC, Livingstone AS, Proctor KG: Effect of hetastarch bolus in trauma patients requiring emergency surgery. <i>J Spec Oper Med</i> 2012 Fall; 12(3):57-67.
18.	Davis JS, Ryan ML , Shields JS, Neville HL, Perez EA, Sola JE, Rodriguez MM. Segmental absence of intestinal musculature: an increasingly reported pathology. <i>J Pediatr Surg</i> 2012 Aug; 47(8): 1566-71
19.	Ryan ML , Thorson CM, King DR, Van Haren RM, Manning RJ, Andrews DM, Livingstone AS, Proctor KG: Insertion of central venous catheters induces a hypercoagulable state. <i>J Trauma</i> 2012 Aug; 73(2):385-90.
20.	Thorson CM, Ryan ML , Otero CA, Vu T, Schulman CI, Livingstone AS, Proctor KG: Operating room or angiography suite for hemodynamically unstable pelvic fractures? <i>J Trauma</i> 2012 Feb 72(2):364-372.
21.	Ryan ML , Thorson CM, Otero CA, Vu T, Schulman CI, McKenney MG, Livingstone AS, Proctor KG. Initial hematocrit in trauma: a paradigm shift? <i>J Trauma</i> . 2012 Jan 72(1):54-60.
22.	Ogilvie MP, Pereira BMT, Ryan ML , Gomez-Rodriguez JC, Pierre EJ, Livingstone AS, McKenney MG, Proctor KG: Bispectral index (BIS) to monitor propofol sedation in trauma patients. <i>J Trauma</i> . 2011 Nov; 71(5):1415-21
23.	Ryan ML , Ogilvie MP, Pereira BMT, Gomez-Rodriguez JC, Manning RJ, Vargas P, Duncan RC, Proctor KG: Heart rate variability is an independent predictor of morbidity and mortality in hemodynamically stable trauma patients. <i>J Trauma</i> . 2011 June; 70(6); 1371-1380.
24.	Pereira BMT, Ryan ML , Ogilvie MP, Gomez-Rodriguez JC, McAndrew P, Garcia GD, Proctor KG: Pre-deployment mass casualty and clinical trauma training for U.S. Army forward surgical teams. <i>J Craniofac Surg</i> . 2010 Jul; 21 (4):982-6.
25.	Ryan ML , Velasquez, O, Patel S, Martinez, E, Parodi, J, Karmacharya, J. Thoracic aortic transection treated by thoracic endovascular aortic repair: predictors of survival. <i>Vasc Endovascular Surg</i> . 2010 Feb; 44(2) 95-100

Reviews, Chapters, Monographs and Editorials

1.	Thorson CM, Dubose JJ, Rhee PM, Knuth TE, Garcia GD, Ryan ML , Van Haren RM, Proctor KG: Military trauma training at civilian centers: a decade of advancement. <i>J Trauma Acute Care Surg</i> . 2012 Aug;73(2):385-390
2.	Ryan ML , Thorson CM, Otero CA, Ogilvie MP, Cheung MC, Saigal GM, Thaller SR: Pediatric facial trauma: a review of guidelines for assessment, evaluation, and management in the emergency department. <i>J Craniofacial Surg</i> . 2011 Jul; 22(4): 1183-9
3.	Ogilvie MP, Ryan ML , Proctor KG. Hetastarch during Initial resuscitation from trauma. <i>J Trauma</i> . 2011 May; 70(5 Suppl): S19-21
4.	Ryan ML , Thorson CM, Otero CA, Vu T, Proctor KG: Clinical applications of heart rate variability in the triage and assessment of traumatically injured patients. <i>Anesthesiol Res Pract</i> . 2011 Feb 10: 416590
5.	Ogilvie MP, Pereira BMT, Ryan ML , Panthaki ZJ: Emergency department assessment and management of facial trauma from war-related injuries. <i>J Craniofac Surg</i> . 2010 Jul; 21(4): 1002-8
6.	Pereira BM, Ogilvie MP, Gomez-Rodriguez JC, Ryan ML , Pena D, Marttos AC, Pizano LR, McKenney MG: A review of ureteral injuries after external trauma. <i>Scand J Trauma Resusc Emerg Med</i> . 2010 Feb 3; 18 (1):6.

Books/Textbooks

1.	Ryan ML , Croce MA: Rectal Injuries. <i>Current Surgical Therapy</i> , 12 th Edition. Edited by Cameron JL, Cameron AM. Elsevier, Philadelphia, 2015
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2.	Ryan ML , Thorson CM, Vu T, Otero CA, Ginzburg E: Deep Venous Thrombosis. Surgery: Evidence Based Practice. 2012 PMPH USA. Beijing, China. 775-82.
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Case Reports

1.	Ryan ML , Zhuge Y, Smothers CD, Zhang J, Huang EY: Intraluminal Esophageal Teratoma in a Neonate. J Pediatr Surg Case Rep. 2015 Oct; 3(10): 451-4.
2.	Ryan ML , Fields JM, Sola JE, Neville HL: Portal venous gas and cardiopulmonary arrest during pneumatic reduction of an ileocolic intussusception. J Pediatr Surg. 2011 Apr; 46(4); e5-8
3.	Seifarth FG, Ryan ML , Triana J, Knight CG. Diagnosis and laparoscopic treatment of ilioileal intussusception secondary to heterotopic pancreas in an infant: case report and review of the literature. J Pediatr Surg. 2011 Feb; 46(2) e33-6.

Proceedings of Meetings

1.	<u>Moderator: North Texas ACS Surgical Research Section</u>
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Abstracts

1.	Ryan ML , Gillory L, Mutore KT, Chung DH, Pandya S. Improving billing and collections in a high-volume pediatric surgery practice: a denial-based approach. Presented at the 134 th Annual Meeting of the Southern Surgical Association, Palm Beach, FL, December 4-7, 2022
2.	Nickoles TA, Eubanks JW, Lewit RA, Ryan ML , Johnson J, Maxson RT, Naiditch JA, Lawson KA, Temkit M, Padilla B, MD, Notrica. Diagnostic accuracy of screening tools for pediatric blunt cerebrovascular injury: An ATOMAC multicenter study. Presented at the 9 th Annual Meeting of the Pediatric Trauma Society, Portland, OR, November 1-4, 2022
3.	Nickoles TA, Eubanks JW, Lewit RA, Ryan ML , Johnson J, Maxson RT, Naiditch JA, Lawson KA, Temkit M, Padilla B, MD, Notrica. Lower incidence of pediatric blunt cerebrovascular injury when properly restrained: An ATOMAC multicenter study. Presented at the 9 th Annual Meeting of the Pediatric Trauma Society, Portland, OR, November 1-4, 2022
4.	Ryan ML , Cairo SB, McLaughlin C, Herring L, Williams RF. Utility of continuous pulse co-oximetry for monitoring hemoglobin levels in pediatric trauma patients with solid organ injuries in urban Level 1 trauma centers. Presented at the 9 th Annual Meeting of the Pediatric Trauma Society, Portland, OR, November 1-4, 2022
5.	Cairo S, Ryan ML . Application of Virtual Reality to Plan the Resection of a Complex Sternal Mass in a Pediatric Patient. Presented at the International Pediatric Endosurgery Group 2022 Annual Meeting, Miami, FL, June 1-3, 2022
6.	Gillory L, Cairo S, Megison SM, Vinson L, Chung D, Ryan ML . Effect of Quarantine and Reopening Measures on Pediatric Trauma Admissions During the Year of the COVID-19 Pandemic. Presented at the 133rd Annual Meeting of the Southern Surgical Association, Hot Springs, VA, December 5-8, 2021.
7.	Zagory JA, Ryan ML , Pandya SR. Laparoscopic choledochal cyst excision with ductoplasty and hepaticoduodenostomy using a right lateral approach. Presented at the International Pediatric Endosurgery Group 2020 Annual Meeting (Video Presentation). July 22, 2020
8.	Mokdad AA, Pandya S, Wolf L, Ryan ML , Qureshi F. Predictors of disparities in pediatric mortality from motor vehicle crashes among US countries. Presented at the American Pediatric Surgical Association 50 th Annual Meeting, Boston, MA, May 19-22, 2019.
9.	Bonasso PC, Ryan ML , Burford JM, Saylor ME, Dassinger MS, Smith SD. Necrotizing enterocolitis: major cause of immediate operative mortality in pediatric surgical practice. American College of Surgeons Quality and Safety Conference, New York, NY, July 22-23, 2017

10.	<p>Ryan ML, Maxwell AC, Manning L, Jacobs JD, Bachier-Rodriguez M, Feliz A, Williams RF. Noninvasive hemoglobin measurement in pediatric trauma patients.</p> <p>a) Western Trauma Association 46th Annual Meeting. February 29, 2016. Lake Tahoe, California.</p> <p>b) Harwell Wilson Surgical Society Annual Meeting. June 12, 2015. Memphis, TN</p>
11.	<p>Ryan ML, Zhuge Y, Smothers C, Zhang J, Huang EY. Intraluminal Esophageal Teratoma in a Two-Week-Old Infant: Case Report and Review of the Literature. Le Bonheur Children's Hospital & UTHSC Department of Pediatrics 7th Annual Pediatric Research Day. November 19, 2014. Memphis, TN (Poster Presentation).</p>
12.	<p>Van Haren RM, Valle EJ, Thorson CM, Ryan ML, Guarch GA, Jouria JM, Sleeman D, Levi JU, Livingstone AS, Proctor KG. Coagulation changes one year after resection of intra-abdominal malignancy. Florida Chapter of American College of Surgeons. May 25, 2013. Orlando, FL</p>
13.	<p>Van Haren RM, Thorson CM, Ryan ML, Curia E, Barrera JM, Guarch GA, Busko AM, Namias N, Proctor KG. Vasopressor use during trauma surgery in patients with refractory shock. Southeastern Surgical Congress Annual Scientific Meeting. Jacksonville, FL. February 19-12.</p>
14.	<p>Van Haren RM, Ryan ML, Thorson CM, Curia E, Busko AM, Namias N, Livingstone AS, Proctor KG: Bilateral Near Infrared Spectroscopy: A Potential Tool for Detecting Traumatic Vascular Injury.</p> <p>a) South Florida Society for Vascular Surgery Annual Scientific Session. Islamorada, FL. October 26, 2012.</p> <p>b) American Surgical Congress 2013 Annual Meeting, New Orleans, LA, February 5-7, 2013.</p>
15.	<p>Thorson CM, Van Haren RM, Ryan ML, Curia E, Sleeman D, Levi JU, Livingstone AS, Proctor KG: Hypercoagulability After Resection of Intraabdominal malignancies. 2012 Annual Meeting of the Southern Surgical Association, Palm Beach, FL, December 2-5, 2012.</p>
16.	<p>Thorson, CM, Van Haren RM, Ryan ML, Curia E, Sleeman D, Levi JU, Livingstone AS, Proctor KG: Pre-operative hypercoagulability is associated with advanced disease in cancer patients. 98th Annual Clinical Congress of the American College of Surgeons, Surgical Forum, Chicago, IL Oct 2012</p>
17.	<p>Thorson CM, Ryan ML, Van Haren RM, Namias N, Livingstone AS, Proctor KG. Hematocrit during initial trauma triage. Advanced Technology Applications for Combat Casualty Care (ATACCC) Conference, Fort Lauderdale, FL, August 13-16, 2012</p>
18.	<p>Thorson CM, Van Haren RM, Ryan ML, Pizano LR, Schulman CI, Andrews DA, Namias N, Livingstone AS, Proctor KG. Trauma-induced hypercoagulability. Advanced Technology Applications for Combat Casualty Care (ATACCC) Conference, Fort Lauderdale, FL, August 13-16, 2012</p>
19.	<p>Van Haren RM, Thorson CM, Ryan ML, Ogilvie MP, Bullock MR, Jagid JR, Livingstone AS, Proctor KG. Vasopressor use in trauma patients with refractory hypotension: from benchtop to bedside. Advanced Technology Applications for Combat Casualty Care (ATACCC) Conference, Fort Lauderdale, FL, August 13-16, 2012</p>
20.	<p>Van Haren RM, Thorson CM, Ryan ML, Curia E, Barrera JM, Busko AM, Guarch GA, Namias N, Proctor KG. Non-invasive monitoring technologies from the frontline and beyond.</p> <p>a) Advanced Technology Applications for Combat Casualty Care (ATACCC) Conference, Fort Lauderdale, FL, August 13-16, 2012</p> <p>b) University of Miami Postdoctoral Fellows Research Day. Miami, FL. September 18, 2012</p>
21.	<p>Thorson CM, Van Haren RM, Ryan ML, Curia E, Sleeman D, Levi JU, Livingstone AS, Proctor KG. Hypercoagulability in cancer.</p> <p>a) Sylvester Cancer Research Symposium, Miami, FL, May 18, 2012</p> <p>b) 59th Annual Florida Chapter American College of Surgeons Copeland Resident Paper Competition, Sarasota, FL, May 18-19, 2012</p>
22.	<p>Thorson CM, Ryan ML, Van Haren RM, Curia E, Barrera JM, Guarch G, Busko AM, Namias N, Livingstone AS, Proctor KG. Venous Thromboembolism After Trauma: A Never Event? 23rd Annual</p>

	Fellow, Resident and Medical Student Surgical Research Forum, South Florida Chapter American College of Surgeons, Miami, FL, Apr 26, 2012.
23.	Ryan ML , Fields JM, Davis JS, Perez EA, Sola JE, Neville HL: Use of CT Enterography for the Diagnosis of Lower Gastrointestinal Bleeding in Pediatric Patients. International Pediatric Endosurgery Group 21 st Annual Congress for Endosurgery in Children, San Diego, CA, March 6-10, 2012 (Poster Presentation)
24.	Thorson CM, Ryan ML , Van Haren RM, Curia E, Barrera J, Guarch G, Busko A, Namias N, Livingstone AS, Proctor KG: Risk Assessment Profile to Screen for Venous Thromboembolism in Trauma Patients. Society of Critical Care Medicine's 41 st Critical Care Congress, Houston, TX, Feb 4-8, 2012
25.	Ryan ML , Thorson CM, King DR, Otero CA, Vu T, Manning RJ, Livingstone AL, Proctor KG: Insertion of central venous catheters induces a hypercoagulable state. Eastern Association for the Surgery of Trauma 25 th Annual Scientific Assembly, Orlando, FL Jan 10-14, 2012.
26.	Thorson CM, Van Haren RM, Namias N, Otero CA, Ryan ML , Bullock MR, Livingstone AS, Proctor KG. Repeat head CT in minimal TBI identifies need for craniotomy in the absence of neurologic change. <ul style="list-style-type: none"> a) American College of Surgeons Florida Committee on Trauma Resident Paper Competition, Miami, FL, Nov 4, 2011 (*First Place Award). b) American College of Surgeons Regional Committee on Trauma Regional Resident Paper Competition, Kiawah Island, SC, Nov 18, 2011.
27.	Thorson CM, Van Haren RM, Ryan ML , Otero CA, Pereira R, Olloqui J, Schulman CI, Livingstone AS, Proctor KG. Admission hematocrit predicts transfusion requirements in trauma patients. American College of Surgeons Florida Committee on Trauma Resident Paper Competition, Miami, FL, Nov 4, 2011.
28.	Ryan ML , Thorson CM, Otero CA, Vu T, Schulman CI, McKenney MG, Livingstone AS, Proctor KG. Initial Hematocrit in Trauma: A Paradigm Shift? 70 th American Association for the Surgery of Trauma Annual Meeting, Chicago, IL, Sept 2011
29.	Vu T, Otero CA, Thorson CM, Ryan ML , Schulman CI, Ginzburg E, Salerno TA, McKenney MG, Livingstone AS, Proctor KG. Does hemopericardium after chest trauma mandate sternotomy? 70 th American Association for the Surgery of Trauma Annual Meeting Chicago, IL, Sept 2011
30.	Thorson CM, Ryan ML , Otero CA, Vu T, Schulman CI, Livingstone AS, Proctor KG. Can angioembolization be safely delayed for operative interventions in patients with pelvic fractures? 70 th American Association for the Surgery of Trauma Annual Meeting Chicago, IL, Sept 2011
31.	Ryan ML , Thorson CM, Otero CA, Vu T, Schulman CI, Livingstone AS, Proctor KG: Initial hematocrit as an indicator of blood loss after penetrating injury. Advanced Technology Applications for Combat Casualty Care (ATACCC) Conference, Fort Lauderdale, FL Aug 15-18, 2011. (Poster Presentation)
32.	Ryan ML , Thorson CM, Gomez-Rodriguez JC, Otero CA, Vu T, Pereira BMT, Garcia GD, Namias N, Livingstone AS, Proctor KG: Bilateral near infrared spectroscopy (NIRS): a potential tool for monitoring limb perfusion after battlefield extremity vascular injuries. Advanced Technology Applications for Combat Casualty Care (ATACCC) Conference, Fort Lauderdale, FL Aug 15-18, 2011. (Poster Presentation)
33.	Thorson CM, Ryan ML , Otero CA, Vu T, Manning RJ, Schulman CI, Garcia GD, Livingstone AS, Proctor KG: Hematocrit change to assess ongoing bleeding during initial fluid resuscitation of trauma patients. Advanced Technology Applications for Combat Casualty Care (ATACCC) Conference, Fort Lauderdale, FL Aug 15-18, 2011. (Poster)
34.	Ryan ML ; Thorson CM; Otero CA; Pierre, EJ; Andrews, DM; Neville, HL; Sola, JE; Proctor, KG: Coagulation Changes in Pediatric Trauma Patients. American Pediatric Surgical Association 42 nd Annual Meeting, Palm Desert, CA May 22-25, 2011.
35.	Thorson CM, Ryan ML , Otero CA, Vu T, Manning, RJ, McKenney, MG, Schulman CI, Livingstone AS, Proctor KG: Early drop in hematocrit during initial trauma resuscitation is not just dilutional. <ul style="list-style-type: none"> a) Florida Medical Association Poster Symposium, Orlando, FL July 29-30.

	b) Florida Chapter of the American College of Surgeons 58 th Annual Meeting, Orlando, FL March 4-6.
36.	Ryan ML , Ogilvie MP, Gomez-Rodriguez JC, Periera BMT, Pierre EJ, McKenney MG, Proctor KG: Volume expansion with Hetastarch in trauma patients requiring emergency surgery. 41 st Annual Meeting of the Western Trauma Association, Big Sky, MT Feb 28-Mar 5, 2010
37.	Ryan ML , Pereira BM, Ogilvie MP, Gomez-Rodriguez JC, Manning RJ, Proctor KG. Heart rate variability as an independent predictor of morbidity and mortality in hemodynamically stable trauma patients. a) American College of Surgeons Florida Committee on Trauma Annual Meeting and Resident Paper Competition. Jacksonville, FL. October 28-29, 2010. b) American Association for the Surgery of Trauma 69 th Annual Meeting. Boston, MA. September 22-25, 2010
38.	Ogilvie MP, Pereira BMT, Gomez-Rodriguez JC, Ryan ML , Pierre E, Livingstone AS, McKenney MG, Proctor KG. First report on the use of bispectral index (BIS) to monitor propofol sedation in ventilated trauma patients. a) American College of Surgeons Florida Committee on Trauma Resident Paper Competition, Tampa, FL, Nov 2009 b) 21 st Annual Fellow, Resident, and Medical Student Surgical Research Forum. South Florida Chapter of the American College of Surgeons, Miami Beach, FL Apr 2010 c) 57 th Annual Meeting Florida Chapter of the American College of Surgeons, Key Largo, FL May 2010
39.	Pereira BMT, Gomez-Rodriguez JC, Ogilvie MP, Ryan ML , Garcia G, Proctor KG: Simulation training for a mass casualty event. American College of Surgeons Florida Committee on Trauma Resident Paper Competition. Tampa, FL Nov 2009.
40.	Ryan ML , Velasquez O, Patel S, Martinez E, Parodi J, Karmacharya J: Thoracic aortic transection treated by TEVAR: predictors of survival. Florida Vascular Society 22 nd Annual Scientific Session. Orlando, FL. April 23-26, 2009
41.	Rosser J, Ryan ML : The effect of knowledge transfer on the acquisition of intracorporeal suturing skill. Medicine Meets Virtual Reality Conference. Long Beach, CA. January 26-29, 2005.
42.	Rosser J, Colsant B; Lynch P; Herman B; Ryan ML . The use of CD-ROM Patient Education Modules to Assist in Accomplishing Informed Consent for Minimally Invasive Procedures: An Initial Evaluation. Medicine Meets Virtual Reality Conference. Long Beach, CA. January 26-29, 2005. (Poster Presentation)
43.	Rosser J, Ryan ML , Lynch P, Herman B. The Validation of the Internal Guidance Capability of the Electronic Proctor for Acquisition of Laparoscopic Surgical Skills. Society of Laparoscopic Surgeons 13 th Annual Congress and Endo Expo 2004. New York, NY

Non-peer reviewed scientific or medical publications/materials in print or other media

1.	Ryan ML , Thorson CM, Otero CA, Garcia GD: Pre-deployment simulation training for US Army forward surgical teams. Cybertherapy and Rehabilitation. 2011, Issue 2.
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