

*Curriculum Vitae*



**Name (complete with degrees):** Diana L. Diesen, M.D., FACS

**Date Updated:** 6/13/2018

**Address**

**Home Address:**

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Children's Health Dallas  
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Dallas, Tx 75235  
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**Date of Birth:** December 14, 1978

**Place of Birth:** Fredericksburg, Virginia

**Current Position:**

Assistant Professor University of Texas Southwestern Medical Center

Program Director for Pediatric Surgery Fellowship

**Certification and Licensure**

Board Certified in Pediatric Surgery March 12, 2014

Board Certified in General Surgery June 4, 2012

Texas Medical License P1453

Advanced Trauma Life Support 2004, 2013, 2016

Fundamentals of Laparoscopic Surgery 2008

Pediatric Advanced Life Support 2011

Basic Life Support 2012

Advanced Critical Life Support 2012

FUSE 2018

<b>Education:</b>	<b>Place</b>	<b>Date</b>	<b>Degree</b>
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**College**

University of Virginia	Charlottesville, VA	1996-2000	BA
Major: Psychology with High Distinction; Minor: Religious Studies			

**Graduate or Professional School**

University of Virginia	Charlottesville, VA	2000-2004	MD
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**Professional training and academic career (place, inclusive date, title – chronologically commencing with first postdoctoral position):**

- 1) Intern, General Surgery, Duke University Medical Center, Durham, NC, 2004-2005.
- 2) Surgical Research Fellow working on nitric oxide and red blood cell biology with Jonathan Stamler, Professor Cardiology/Pulmonary, former Howard Hughes Investigator, Duke University Medical Center, Durham, NC, 2006-2008.
- 3) Resident, General Surgery, Duke University Medical Center, Durham, NC, 2005-2011.
- 4) Pediatric Surgery Fellow, Children’s Medical Center – Dallas, Dallas, TX, 2011 – 2013.
- 5) Assistant Professor, Pediatric Surgery, UT Southwestern Medical Center, Children’s Medical Center – Dallas, Dallas, Tx. 2013 – present.
- 6) Pediatric Surgery Fellowship Program Director 2014- present.
- 7) Surgical Director of Thyroid Center at Children’s Health 2014- present.

**Hospital Affiliations:**

- 1) Children’s Health Dallas. 1935 Medical district Drive Suite 2032, Dallas, Tx 75235. Telephone: 214-456-1814. CVO@childrens.com. Start Date 06/24/2013- present.

- 2) Children's Health Plano. Telephone: 214-456-1567. Email: CVO@childrens.com. Start Date 06/24/2013- present.
- 3) Parkland Health & Hospital System. 5201 Harry Hines Blvd. Dallas, Tx 75235. Telephone: 214-590-8000. Email: [lynne.humphrey@phhs.org](mailto:lynne.humphrey@phhs.org). Start Date 6/24/2013-present.
- 4) Zale Lipshy University Hospital. 5323 Harry Hines Blvd, Dallas, Tx 75390. Start Date 6/24/2013- present.
- 5) William P. Clements Jr. University Hospital. 6201 Harry Hines Blvd. Dallas, Tx 75390. Phone 214-645-1762. <http://medstaffverification.swmed.edu>. Start 8/2015 – present.
- 6) THR Presbyterian Hospital of Dallas. 8200 Walnut Hill Lane, Dallas, Tx 75231. Phone 214-345-7585. Start: 9/23/2015 – present.

## **Publications:**

### **1. Refereed journals:**

- 1) Doctor A, Al-Khadra E, Tan P, Watson K, **Diesen D**, Workman J, Thompson J, Rose C, and Arnold J. Extended high frequency partial liquid ventilation in lung injury: gas exchange, injury quantification, and vapor loss. *Journal of Applied Physiology*, 2003 Sep; 95(3):1248-58.
- 2) Schulman AM, Claridge JA, Carr G, **Diesen DL**, Young JS. Predictors of Patients Who Will Develop Prolonged Occult Hypoperfusion following Blunt Trauma. *Journal of Trauma: Injury, Infection, and Critical Care*, 2004 Oct;57(4):795-800.
- 3) **Diesen DL**, Skinner MA. Thyroid cancer in children. *World Journal of Pediatrics*, 2005, 2, 94-97.
- 4) **Diesen DL**, Stamler, JS. S-Nitrosylation and Pegylation of Hemoglobin: Toward a Blood substitute that recapitulates Blood. *Journal of Molecular & Cellular Cardiology*. 2007, May;42(5):921-3.
- 5) **Diesen DL**, Pappas T. Sport's hernias. *Advances in Surgery*. 2007;41:177-87.
- 6) **Diesen DL**, Lawson JH. Bovine Thrombin: History, Use, and Risk in the Surgical Patient. *Vascular*. 2008, March/April; 16(1): S29-S36.
- 7) **Diesen DL**, Price, TM, Skinner MA. Uterine leiomyoma in a 14-year-old girl. *European Journal of Pediatric Surgery*. 2008, 18(1):53-5.
- 8) **Diesen DL**, Zimmerman SA, Ware RE, Rice HE. Partial splenectomy for children with congenital hemolytic anemia and massive splenomegaly. *Journal of Pediatric Surgery*. 2008, 43(3):466-72.
- 9) **Diesen DL**, Hess DT, Stamler, JS. Hypoxic Vasodilation By Red Blood Cells: Evidence for an S-nitrosothiol-based Signal. *Circulation Research*. 2008, 103(5): 545-553.

- 10) **Diesen DL**, Skinner MA. Image of Self Sealing Omental Patch after Spontaneous perforation in the Newborn. *Journal of Pediatric Surgery*. 2008, Dec; 43(12):2308-10.
- 11) Lima B, Lamb GK, Liang X, **Diesen DL**, Villamizar N, Nienaber J, Messina E, Bowles D, Kontos CD, Hare JM, Stamler JS, Rockman HA. Endogenous S-Nitrosothiols Protect Against Myocardial Injury. *PNAS*. 2009 Apr 14;106(15):6297-302.
- 12) Aldrink JH, Selim A, **Diesen DL**, Tyler DS, Siegler HF. Errors in the Pathologic Diagnosis of Malignant Melanoma in the Pediatric Population. *Journal of Pediatric Surgery*. 2009 Aug; 44(8): 1514-21.
- 13) **Diesen DL**, Kuo PC. Nitric Oxide and Redox Regulation in the Liver: Part I General Considerations and Redox biology in Hepatitis. *Journal of Surgical Research*. 2010 Jul;162(1):95-109. Epub 2009 Oct 9.
- 14) **Diesen DL**, Kuo PC. Nitric Oxide and Redox Regulation in the Liver: Part II Redox biology in Pathologic Hepatocytes and Implications for intervention. *Journal of Surgical Research*. 2011 May 1;167(1):96-112.
- 15) Tracy ET, Bennett KM, Danko ME, **Diesen DL**, Westmoreland TJ, Kuo PC, Pappas TN, Rice HE, Scarborough JE. Low volume is Associated with Worse Patient Outcomes for Pediatric Liver Transplant Centers. *Journal of Pediatric Surgery*. 2010 Jan;45(1):108-13.
- 16) Tracy ET, Mears SE, Smith PB, Danko ME, **Diesen DL**, Fisher KA, Hoehner JC, Goldberg RN, Cotten CM, Rice HE. Protocolized approach to the management of congenital diaphragmatic hernia: benefits of reducing variability in care. *J Pediatr Surg*. 2010 Jun;45(6):1343-8.
- 17) **Diesen DL**, Blazer DG. Portal Venous Gas and Pneumatosis Intestinalis. *Journal of Surgical Radiology*. 2011 Jan 1; 2 (1).
- 18) **Diesen DL**, Cox MW. Popliteal Artery Injury. *Journal of Surgical Radiology*. 2011 July (2) 316-317.
- 19) **Diesen DL**, Erhunmwunsee L, Bennett K, Ben-David K, Yurcisin B, Ceppa EP, Omotosho PA, Perez A, Pryor A. Effectiveness of laparoscopic computer simulator versus usage of box trainer for endoscopic surgery training of novices. *Surg Educ*. 2011 Jul-Aug;68(4):282-9. Epub 2011 May 4.
- 20) **Diesen DL**, Skinner MA. Pediatric Thyroid Cancer. *Seminars in Pediatric Surgery*. 2012 Feb; 21(1):44-50.
- 21) Reynolds JD, Bennett KM, Cina AJ, **Diesen DL**, Henderson MB, Matto F, Plante A, Williamson RA, Zandinejad K, Demchenko IT, Hess DT, Piantadosi CA, Stamler JS. S-nitrosylation Therapy to Improve Oxygen Delivery of Banked Blood. *PNAS* 2013 Jul 9; 110(28): 11529-34.
- 22) Hodgman EI, Bezner SK, **Diesen DL**, Clayton J, Minkes RK, Langer JC, Chen LE. Pediatric surgery on YouTube: Is the truth out there? *Journal Pediatric Surgery*. 2014. Apr;49(4):586-9.
- 23) **Diesen DL**, Megison SM. CDH and sequestration. *J Pediatr*. 2014 Dec;165(6):1268-1268. Epub 2014 Sep 23.

24) Alemeyehu H, Clidton M, Santore M, **Diesen D**, Kane T, Petrosyan M, Frankin A, Lal D, Ponsky TA, Nalugo M, Holcomb GW, St. Peter SD. Minimally invasive surgery for pediatric trauma – A multi-center review. Journal of laparoendoscopic and Advanced Surgical Techniques. J Laparoendosc Adv Surg Tech A. 2014 Dec 29.

25) Lairmore T, **Diesen DL**, Goldfarb M, Milas M, Ying A, Sharma J, McIver B, Wong RJ, Randolph G. AACE Endocrine Surgery Scientific Committee. AACE and American College of Endocrinology Disease State Clinical Review: Timing of MEN Thyroidectomy and Extent of Central Neck Lymphadenectomy. Endocr Pract. 2015 Jul;21(7):839-47.

26) Gardner A, **Diesen DL**, Scott DJ, Hogg D, Heurta S. The impact of goal setting and goal orientation on performance during a clerkship surgical skills training program. American Journal of Surgery, 2016 21(2):321-5.

27) Keller DS, Delaney CP, ... **Diesen D** (collaborator) et al. Uptake of enhanced recovery practices by SAGES members: a survey. Surg Endosc. 2017. Sep; 31 (9) 3519-3526.

28) Fallon SC, Langer JC, St Peter SD, Tsao K, Kellagher CM, Lal DR, Whitehouse JS, **Diesen DL**, Rollins MD, Pontarelli E, Malek MM, Iqbal CW, Upperman JS, Leys CM, Wulkan ML, Hill SJ, Blakely ML, Kane TD, Wesson DE. Congenital H-type tracheoesophageal fistula: A multicenter review of outcomes in a rare disease. J Pediatr Surg. 2017 Nov;52(11):1711-1714. . PMID:28528013.

29) Ulhaq N, Wadi H, Amlee T, **Diesen D**, Fey A. Design and Evaluation of Haptic Constraints for Laparoscopic Instrument Handling. Conf Proc IEEE Eng Med Biol Soc. 2018 Jul;2018:961-964. doi: 10.1109/EMBC.2018.8512421. PMID:30440550

#### **Submitted:**

#### **Manuscript**

Kim J, Sun Z, Leraas HJ, Adam MA, **Diesen DL**, Tracy ET. Younger Age is a Risk Factor for Metastatic Disease at Presentation in Pediatric Differentiated Thyroid Cancer. Accepted Surgery 2018.

Long RA, Diesen DL, Robertson B, Leonard D, Nesiama J. Is There a Need for an Observation Period in the Emergency Department after Accidental Pediatric Blunt Head Injury? A Pilot Study. Submitted Pediatric Emergency Care Journal 2018.

Dackiw A, Gardner A, Hogg D, **Diesen D**, Sharma R, Huerta S. Evolution of a preparation for surgery residency course: 10-year experience and transition to the "ACS/APDS/ASE resident prep curriculum" Submitted to American Journal of Surgery 2018.

Casson C, Spendlove, Vaughan, **Diesen DL**, Beres AL. Fibrinolytics vs surgical intervention for management of pediatric empyema - manuscript submitted.

McClain LE, Mir IN, Kapadia VS, Murphy JT, Diesen DL. In Utero Gunshot Wound to Left Upper Extremity in a Preterm Infant. Submitted Pediatrics 2018.

### **In process**

- Diesen DL. Mirpuri J. The role of type 3 innate lymphoid cells in human necrotizing enterocolitis. IRB submitted 2019. Grant in process.
- Balaban J, Burkhalter L, Diesen DL. Impact of Simulation-Based Education Curriculum on volume of MIS cases performed in infants. Manuscript in process.
- Balaban j. Burkhalter L. Diesen DL. Pediatric markers for postoperative hypocalcemia. In process
- Balaban j. Burkhalter L. Diesen DL. Risk of cancer for incidental found nodes vs palpable node for pediatric patient presenting with a thyroid mass. in process.
- Gee K ....Diesen DL, Beres A. Opioid prescribing habits for common pediatric surgical procedures. Data collection in process.
- Breast radiologic classification – in combination with adults (IRB in preparation)
- Expansion of our endocrine surgery database
- Investigate participation in national and regional pediatric thyroid databases

Potential questions once thyroid database completed:

- pediatric markers for postoperative hypocalcemia
- in our high risk patients, does surveillance US prevent delayed PTC diagnosis
- based on the SEERS database – what is the age of infection at which one sees increased distal mets? Increased rate of complications? Persistent disease/early recurrence?
- what are pediatric markers of I131 nonresponders
- ANOVO risk assessment of risk – long term nerve injury and hypocalcemia vs. recurrence
- Risk calculator to include histological variant, angioinvasion, capsular invasion, ETE< multifocality
- Risk of cancer for incidental found nodes vs palpable node

### **2. Peer Review publications: multimedia**

1) **Diesen DL.** Laparoscopic Gastrostomy Tubes. Society of American Gastrointestinal and Endoscopic Surgeons wiki-topics. <http://www.sages.org/wiki-category/pediatrics/> 2014.

2) **Diesen DL.** “Thyroid nodules”, multimedia module for the American Board of Surgery Pediatric SCORE curriculum, 2015.

3) **Diesen DL.** “Endocrine disease”, multimedia module for the American Board of Surgery Pediatric SCORE curriculum, 2015.

4) **Diesen DL.** Pediatric Enhanced Recovery Pathway, SAGES, 2016.

<http://www.sages.org/enhanced-recovery/enhanced-recovery-for-pediatric-surgery/>

5) **Diesen DL.** Pediatric Thyroid Disorders. Stay Current in Pediatric Surgery Podcast. 2016.

- 6) **Diesen DL**. Head and Neck Disorders. APSA Resident Manual. 2017.
- 7) **Diesen DL**. Behind the Knife Podcast. Biliious emesis in Infants. February 2019.

### 3. Non-refereed publications:

- 1) **Diesen DL**, Skinner MA. Pediatric Neck Masses. Pediatric Society of Greater Dallas newsletter. November 2011.
- 2) Schindel D, **Diesen D**. Intussusception. Pediatric Society of Greater Dallas newsletter. September 2013.
- 3) **Diesen DL**. Esophageal Foreign Bodies in Children. Pediatric Society of Greater Dallas newsletter May 2014.
- 4) Vaughan N, **Diesen DL**. Perineal Injuries in Children. Pediatric Soc of Greater Dallas newsletter. June 2016.

### 4. Chapters in books:

- 1) **Diesen, DL**. Cardiovascular Microbiology Chapter. In Diallo, A. & Chandrasekhara, V. (Eds.). *Microbiology Recall* (1<sup>st</sup> ed.). Baltimore: Lippincott, Williams & Wilkins, 2004.
- 2) **Diesen, DL**. T-cell and Cell-Mediated Immunity Chapter. In Diallo, A. & Chandrasekhara, V. (Eds.). *Microbiology Recall* (1<sup>st</sup> ed.). Baltimore: Lippincott, Williams & Wilkins, 2004.
- 3) **Diesen, DL**. Pediatric Surgery Chapter. In Blackhourne, L. (Ed.). *Surgical Recall* (4<sup>TH</sup> ed.). Baltimore: Lippincott, Williams & Wilkins, 2005.
- 4) **Diesen DL**, Haney JC, Pappas TN. Laparoscopic Repair of Perforated Ulcer and Vagotomy. In Pappas, Pryor, & Harnisch (Eds.) *Atlas of Laparoscopic Surgery*. (3<sup>rd</sup> ed.) Springer, 2007.
- 5) **Diesen DL**, Skinner MA. Head and neck tumors. In Carachi, Grosfeld, & Azmy (Eds.) *The Surgery of Childhood tumors*. (2<sup>nd</sup> ed.) Springer, 2008.
- 6) **Diesen, DL**. Pediatric Surgery Chapter. In Blackhourne, L. (Ed.). *Surgical Recall* (5<sup>TH</sup> ed.). Baltimore: Lippincott, Williams & Wilkins, 2008.
- 7) **Diesen DL**. Pappas TN. Periampullary Cancer. In Blazer, Kuo, Pappas, & Clary Eds. *Contemporary Surgical Management of Liver, Biliary Tract, and Pancreatic Disease*. (1<sup>st</sup> ed.) January 2014.
- 8) **Diesen DL**, Skinner MA. Endocrine Disorders and Tumors. In Holcomb & Murphy (Eds.) *Ashcraft's Pediatric Surgery*. (6th ed.) Elsevier, March 2014.
- 9) **Diesen DL**, Skinner MA. Head and neck tumors. In Carachi & Grosfeld (Eds.) *The Surgery of Childhood tumors*. (3rd ed.) Springer, June 2016.

10) Saeman, M. **Diesen DL**. Laparoscopic Lysis of adhesion for bowel obstruction in children. In Walsh, Ponsky, & Bruns (Eds) Society of American Gastrointestinal and Endoscopic Surgeons Manual of Pediatric Minimally Invasive Surgery. (1<sup>st</sup> ed.) Springer, Switzerland. 2017.

11) Hagopian M, **Diesen DL**. Laparoscopic cholecystectomy for biliary dyskinesia, cholecystitis, and cholelithiasis in children. In Walsh, Ponsky, & Bruns (Eds) Society of American Gastrointestinal and Endoscopic Surgeons Manual of Pediatric Minimally Invasive Surgery. (1<sup>st</sup> ed.) Springer, Switzerland. 2017.

12) **Diesen DL**. Acute Pancreatitis. Pediatric Surgery NAT. unbound medicine. May 2017.  
<https://www.pedsurglibrary.com/apsa>

13) **Diesen DL**. Chronic Pancreatitis. Pediatric Surgery NAT. unbound medicine. May 2017.  
<https://www.pedsurglibrary.com/apsa>

14) **Diesen DL**. Pancreatitis Procedures. Pediatric Surgery NAT. unbound medicine. May 2017.  
<https://www.pedsurglibrary.com/apsa>

## 5. Abstracts

1) Doctor A, Workman L, **Diesen D**, Gelbke M, Gaston B. A new selective assay for S-nitrosohemoglobin (SNO-Hb) via reduction in CuCl/cysteine. AJRCCM 2002; 165(8): A516. Poster presentation at American Thoracic Society International Conference, 2002. Atlanta, Ga.

2) **Diesen DL**, Pappas, TN. Local excision of ampulla of Vater. Video presentation at American College of Surgeons. October 2007.

3) **Diesen DL**, Pappas, TN, Tyler, DS. Transduodenal resection of periampullary tumors. Video for AHPBA. March 2008.

4) **Diesen DL**, Sabesan V, Broomer B, Richardson W, White W, Hill SE. A Proposed Study of Tissuelink as an Effective Hemostatic Tool. Presentation at SABA (Society for the Advancement of Blood Management). Transfusion September 2008; 48, 2045.

5) **Diesen DL**, Stamler JS. Transfusion-Induced Tissue Hypoxia is Ameliorated by S – nitrosohemoglobin Repletion of Stored Red Blood Cells. Presentation at the American Heart Association Meeting November 2008. Circulation October 2008; 118: S\_465.

6) Tracy ET, Bennett KM, Danko ME, **Diesen DL**, Westmoreland TJ, Kuo PC, Pappas TN, Rice HE, Scarborough JE. High Volume is Associated with Improved Patient Outcomes for Pediatric Liver Transplant Centers. APSA May 2009.

7) Tracy ET, Mears SE, Smith PB, Danko ME, **Diesen DL**, Fisher KA, Hoehner JC, Goldberg RN, Cotton CM, Rice HE. An Evidence-Based Protocol for the Management of Congenital Diaphragmatic Hernia. APP 2009.

8) Talbot LJ, Westmoreland T, Tracy ET, **Diesen DL**, Danko ME, Linardic CM, McCann R, Clary BM, Skinner MA. Aggressive surgical resection for a histologically unusual



pancreatoblastoma and review of the literature. American Pediatric Surgical Association May 2012.

9) Hodgman EI, Bezner SK, **Diesen DL**, Clayton J, Minkes RK, Langer JC, Chen LE. Pediatric surgery on YouTube: Is the truth out there? North Texas ACS 2012.

10) Jajal N, Renkes R, Murphy JT, **Diesen DL**. Association of Demographic Factors and outcomes in necrotizing Enterocolitis. Medical student Research forum, UT Southwestern Medical Center January 2014 .

11) Jajal N, Renkes R, **Diesen DL**. Effect of Demographic Factors on Outcomes of Necrotizing Enterocolitis. North Texas ACS February 2014.

12) Fallon SC. St. Peter S, Langer JC, Tsao K, Kellagher C, Lal DR, Whitehouse JS, **Diesen DL**, Michael D. Rollins, Elizabeth M. Pontarelli, Jeffrey S. Upperman, Charles M. Leys, Mark L. Wulcan, Sarah J. Hill,, Martin L. Blakely, Corey W. Iqbal, Timothy D. Kane, David E. Wesson. H-type Tracheoesophageal Fistulas – A multicenter review of outcomes in a rare disease. APSA 2014.

13) Spendlove N, Burkhalter L, Skinner M, **Diesen DL**. The clinical Presentation, Treatment, and Outcomes of Pediatric Thyroid Surgery in Children. Medical student Research forum, UT Southwestern Medical Center January 2015.

14) Gardner A, **Diesen D**, Hogg D, Heurta S. The impact of goal setting and goal orientation on performance during a clerkship surgical skills training program. ASE 2015.

15) Wadi H, **Diesen D**, Majewicz A. Training Wheels for Laparoscopic Surgery: Kinematic and Dynamic Constraints for Project Tool Handling. SAGES. April 2015. Nashville, Tn.

16) Spendlove N, Rialon K, Burkhalter LS, Rong H, Skinner MA, **Diesen DL**. Contemporary review of Pediatric Thyroid Surgery. AAP 2015.

17) Spendlove N, Burkhalter L, Skinner M, **Diesen DL**. Contemporary Review of Pediatric Thyroid Surgery. Medical student Research forum, UT Southwestern Medical Center January 2016.

18) Spendlove N, Burkhalter L, **Diesen DL** Pediatric Empyema- An Institutions Clinical Experience in Comparing Fibrinolytic Treatment with Video-Assisted Thoracoscopic Surgery. Medical Student Research Forum. Dallas, Tx. Jan 2016.

19) Vaughan NA, Spendlove, N, Burkhalter L, **Diesen DL**. Treatment Options for Pediatric Empyema: Video-Assisted Thoracoscopy verses Fibrinolytics. North Texas American College of Surgeons, Dallas, Tx February 2016.

20) Long RA, **Diesen DL**, Robertson B, Leonard D, Nesiama, JO. The Observation Period in the Emergency Department after Accidental Pediatric Blunt Head Injury: Is it really Necessary? Children's Medical Center Dallas Research Week May 2016.

21) Vaughan NA, Spendlove, N, Burkhalter L, Beres AL, **Diesen DL**. Treatment Options for Pediatric Empyema: Video-Assisted Thoracoscopic Surgery vs. Fibrinolytics. Academic Surgical Congress, Las Vegas, NV. February 2017.

22) Long RA, DO, **Diesen DL**, Robertson B, Leonard D, Nesiana JO. Is There a Need for an Observation Period in the Emergency Department After Accidental Pediatric Blunt Head Injury? Pediatric Academic Societies. April 2017.

23) Alan Dackiw, Aimee Gardner, Deborah Hogg, **Diana Diesen**, Rohit Sharma, Sergio Huerta. Evolution of a Preparation for Surgery Residency Course: 10-year Experience and Transition to the "ACS/APDS/ASE Resident Prep Curriculum" ASE May 2018.

25) Ulhaq N, Wadi H, Amlee T, **Diesen D**, Majewicz A. Design and Evaluation of Haptic Constraints for Laparoscopic Instrument Handling. Simulation-Based Quality Improvement and Research Forum. UTSW May 9, 2018.

26) Ulhaq N, Wadi H, Amlee T, **Diesen D**, Majewicz A. Design and Evaluation of Haptic Constraints for Laparoscopic Instrument Handling. Accepted: Conference: 40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society Submission number: 1819. July 2018.

27) Casson C, Spendlove, Vaughan N, **Diesen DL**, Beres AL. Fibrinolytics vs surgical intervention for management of pediatric empyema. CAPS September 2018.

28) Balaban J, Burkhalter L, **Diesen DL**. Impact of Simulation-Based Education Curriculum on Divisional MIS volume. 57<sup>th</sup> Annual Medical Student Research Forum. Dallas, Tx. January 2019.

29) Balaban J, Burkhalter L, **Diesen DL**. Impact of Simulation-Based Education Curriculum on Divisional MIS volume. North Texas ACS, Dallas, Tx. February 2019.

30) Balaban J, Burkhalter L, **Diesen DL**. Impact of Simulation-Based Education Curriculum on Volume of MIS cases Performed by the Division. Podium presentation Academic Surgical Congress. Houston, Tx. February 2019.

31) Balaban J, Spendlove N, Vaughan N, Burkhalter L, **Diesen DL**. VATS versus Fibrinolytics for Treatment of Pediatric Empyema in Otherwise Healthy Children. SAGES. Baltimore, MD. April 2019.

## 6. Oral Presentations

1) **Diesen DL**. Pascarella L. Open vs. Endovascular Abdominal Aortic Aneurysms Repair in Low Risk Patients. Duke Senior Resident Debate. October 2008.

2) **Diesen DL**. Prevention and Treatment of Catheter Related Bloodstream infections. Surgical Grand Rounds. January 2009.

3) **Diesen DL**. Haney JC. Breast Conservation Surgery versus Mastectomy for the Treatment of Breast Cancer. Duke Senior Resident Debate. March 2009.

- 4) **Diesen DL.** Hernia Mesh: composition, indications, pros, and cons. Grand Rounds presentation Durham Regional Hospital. May 2009.
- 5) **Diesen DL.** Congenital Vascular Anomalies in Children. General Surgery Grand Rounds. December 2009.
- 6) **Diesen DL.** Congenital Pulmonary Anomalies. Cardiothoracic Grand Rounds. December 2009.
- 7) **Diesen DL** Tracy ET, Danko ME, Cotton CM, Tanaka D, Rice HE. Temporal Association between Blood Transfusion and Necrotizing Enterocolitis in Premature Infants. American Pediatric Surgical Association May 2010.
- 8) **Diesen DL.** Is Blood Bad? Nitric Oxide in Stored Blood and its Clinical Implications. Pediatric Grand Rounds. Dallas Children's Surgical Grand Rounds October 2011.
- 9) **Diesen DL.** Mediastinal Masses in Children. Pediatric Multidisciplinary Conference. 2012
- 10) **Diesen DL.** Sepsis and ECMO. Pediatric Multidisciplinary Conference 2012.
- 11) **Diesen DL.** Malrotation with Midgut Volvulus. Society of American Gastrointestinal and Endoscopic Surgeons 2013.
- 12) **Diesen DL.** Transfusion in the Pediatric Trauma Patient: Massive Transfusion and PICU Transfusion. Trauma Grand Rounds. Dallas Children's January 2014.
- 13) **Diesen DL.** Is Blood Bad? The role of Nitric Oxide in Stored Blood and its Clinical Implications. Pediatric Grand Rounds. Dallas Children's February 2014.
- 14) Pak SW **Diesen DL.** Clamshell thoracotomy and Cardiac Arrest in the blunt trauma patient. March 2014.
- 15) **Diesen DL** Thyroid Nodules in Children. Pediatric Surgery Grand Rounds, Dallas, Tx. January 2015.
- 16) **Diesen DL.** Pediatric Abdominal Wall Defects: What are the recurrence implications? Society of American Gastrointestinal and Endoscopic Surgeons April 2015.
- 17) **Diesen DL.** Incorporating the Latest in Enhanced Recovery into your Gastrointestinal Surgery Program: The 8-hour appendectomy. Society of American Gastrointestinal and Endoscopic Surgeons. March 2016.
- 18) **Diesen DL.** Work-up of Pediatric thyroid nodules. American College of Surgeons, Washington D.C. October 2016.
- 19) **Diesen DL.** How to Give a Site Visit. University of Texas Southwestern Program Director Advisory Council Meeting. Dallas, Tx. December 2016.
- 20) **Diesen DL.** Work-up of Pediatric Thyroid Nodules. Surgical APP Teaching Conference. Dallas, Tx. January 2017.

21) **Diesen DL.** Anorectal Malformations. Pediatric Urology Grand Rounds. Dallas, Tx. January 2017.

22) **Diesen DL.** Panel: All grown up! Managing Adults with Congenital Surgical Anomalies. Anomalies of Rotation and Abdominal Wall Defects. Society of American Gastrointestinal and Endoscopic Surgeons 2017.

23) **Diesen DL.** Enhanced Recovery after Surgery: Beyond Colorectal Surgery. Applications to Pediatric Surgery. ACS quality and Safety Conference. July 2017.

24) **Diesen DL.** American College of Surgeons Surgical Skills Roundtable Session. Discussant. American College of Surgeons meeting. October 2017.

25) **Diesen DL.** Lessons Learned. Program Director panelist at UTSW GME Retreat. Dallas, Tx. December 2017.

26) **Diesen DL.** Enhanced Recovery after Surgery: Beyond Colorectal Surgery. Applications for Pediatric Surgery. ACS quality and Safety Conference. March 2018.

27) **Diesen DL.** Medullary Thyroid Cancer. American Pediatric Surgical Association, Palm Springs, Ca. May 2018.

28) **Diesen DL.** Management of Thyroid Tumors in Children. International Society of Paediatric Surgical Oncology Education Committee on 18 May 2018.

#### **Reviewer for Peer Reviewed Publications**

Journal of Surgical Research 2019

Surgical Endoscopy 2013 – 2019

Journal of Pediatric Surgery, 2017, 2019

Surgery, 2017

Journal of Thoracic Disease 2016 - 2017

Clinical Medicine Insights: Case Reports 2012, 2015, 2016, 2017

Annals of Surgical Oncology 2014

Updates in Surgery 2016

Neurological Research 2013, 2014

SAGES Open Medicine 2013, 2014

Journal of Surgical Radiology 2010, 2011

European Journal of Obstetrics & Gynecology and Reproductive Biology 2010, 2011

Case Reports in Medicine 2010

**Associate Editor for Peer Reviewed Journal**

Journal of Surgical Radiology, Associate editor 2010-2011

**Leadership Training**

Leadership Emerging in Academic Departments, 1 year leadership course sponsored by University of Texas Southwestern. 2015.

Physician Leadership Development Program, Dallas Children's Medical Center. 2017.

Department of Surgery Faculty Development Course 2018-2019.

**Consultant appointments: (Include US government, state, private organizations, etc.)**

Campbell Alliance Group, consultant 2006.

Texas Perinatal Services, A Program of the Texas EMS Trauma & Acute Care Foundation, NICU survey reviewer, 2017.

American Board of Surgery, Examination Consultation for PSITE 2017- present.

**Professional awards and special recognitions:**

The Bollinger Outstanding Research Resident Award, 2007

APSA Clinical Poster of Distinction Award 2010

The R. Randal Bollinger Award for Outstanding Master Educator 2010

Leads Capstone Finalist, project entitled "Pediatric Surgery Fellowship Simulation-based education curriculum" 2015.

Nominated for President's Award for Diversity and Humanism in Clinical Care 2018.

**Organizations and participation: (Offices held, committee assignments, etc.)**

***Committees***

***Education***

- 1) Clinical Competency Committee Pediatric Surgery Fellowship chair committee 2015- 2017, member 2017 -present
- 2) Program Evaluation Committee Pediatric Surgery Fellowship, chair committee, 2015- 2018, member 2019 – present.
- 3) Surgical Education Committee, UT Southwestern 2013 present.
- 4) UTSW Program Directors committee 2013 to present
  - GMAC subcommittee program performance improvement 2017-2018

- 5) Dallas Children's Program Directors committee 2013 to present
- 6) Educational Quality Improvement and Human Subjects Research projects Involving medical students as participants. 2016 – present.
- 7) Department of Surgery Simulation Center Curriculum Committee 2018 – present.

### ***Administration***

- 8) UTSW search committee for Pediatric Surgery Division Chief 2018.
- 9) UTSW search committee for Division Chief of Hospital Medicine for Pediatrics 2018 – present.
- 10) Medical Executive Committee Dallas Children's Medical Center, elected surgical representative, Jan 2017- Dec 2018.
  - MEC structure subcommittee 2018
- 11) Department of Surgery Podcast Publishing Committee 2017 – present.
- 12) Intern Applicant Selection Committee, 2015- 2017.

### ***Clinical Care***

- 13) Pediatric Thyroid Tumor Board Children's Health Dallas, Pediatric Surgical Representative 2016-present.

### ***National***

- 14) SAGES pediatric committee, 2013 present
  - co-chair – 2018- present
- 15) SAGES education committee 2013 present
- 16) SAGES SMART committee 2014-2017
- 17) SAGES abstract reviewer for Annual Meeting
  - October 2015, 2016, 2017, 2018
- 18) APSA Program Directors Committee 2014 - present
- 19) APSA Education committee 2016 – present
- 20) ACS moderator Pediatric Section October 2018.

### **Previous Committees**

- 1) AACE Endocrine Surgery Scientific Committee 2013-2014
- 2) ICGME committee Duke 2010 -2011.
- 3) Duke Comprehensive Education Institute Steering Committee Member 2008.
- 4) SEAL (Surgical Education and Activities Lab) Workgroup Committee Member 2008.
- 5) Transfusion committee, voting member, 2008-20010.
- 6) Center for Blood Conservation committee member 2008-2009
- 7) Graduate Medical Education Evaluations committee member 2008.
- 8) Peer Education Review Committee member, 2005-2006.
- 9) Curriculum Review Committee member 2001.

## **Clinical Site Coordinator**

1) Simulation-Based Education for Pediatric Surgery Trainees: A training Curriculum and Educational research Project. This is a national multi-institution study to assess the impact of a simulation based educational curriculum on technical and nontechnical skill development in pediatric surgery fellows. I am the PI for the Dallas site. I am responsible for the coordination, instruction, data collection and data analysis for a 12-month prospective, structured, proctored curriculum integrating simulation into the pediatric surgery fellowship curriculum. The data collection is now complete. We are analyzing and reviewing the data.

Now that this is complete, I am doing a 3-year study to evaluate the impact of our ongoing simulation based educational curriculum on the number of MIS cases performed by our division.

2) NEST site coordinator for Dallas Children's'. This is a national multi-center randomized trial looking at drain vs. laparotomy for Necrotizing Enterocolitis in premature infants. Study just finished recruitment 2017. Awaiting completion of data entry and statistical analysis.

3) Surgical Representative for ABC –PICU study. Multi-center national trial looking at age of blood in children admitted to the pediatric intensive care unit. Study ongoing.

4) Surgical Advisor for “The observation period in the Emergency Department after accidental and mild pediatric blunt head injury: Is it really necessary?” This is a local prospective observational study that is completed. Currently submitting manuscript.

## **Societies**

- 1) Association for Academic Surgery 2018 – present. Active Member
- 2) American Pediatric Surgical Association, 2010-present; Full Member
- 3) SAGES, 2012- current, Full Member
- 4) American College of Surgeons, 2006 to present; FACS 2015
- 5) American Academy of Pediatrics 2012- 2016, Full Member
- 6) American Society for enhanced recovery 2017-2018
- 7) Texas Medical Association 2017- present
- 8) Dallas County Medical Society 2017- present
- 9) Sabiston Surgical Society, 2011-present.
- 10) The Association for Surgical Education 2009 - 2012
- 11) Association of Women Surgeons, 2002-2008, 2018-present
- 12) Society for the Advancement of Blood Conservation, 2008 to 2011

- 13) American Heart Association, 2008 to 2010
- 14) American Medical Association, UVa Chapter, 2000-2004
- 15) American Medical Student Association, UVa Chapter, 2000-2004
- 16) Virginia Medical Society, UVa Chapter, 2000-2004

## **Teaching**

### **Positions:**

Program Directory Pediatric Surgery Fellowship 2014 – present

Site Director for the Pediatric Residents on the Pediatric Surgical Service 2016- present

Associate Program Directory Pediatric Surgery Fellowship 2013 – 2014

Site Director for Medical Students in Surgery at Children’s Medical Center 2013 – 2018

Site Director for Subinterns in Surgery at Children’s Medical Center 2013- 2018

## **Previous Resident and Student Teaching Portfolio**

Medical Student Teaching/Education at Duke University Medical Center 2006-2011

- revamping and reorganizing of the medical student surgical rotation curriculum
- reorganize the orientation
- creating a suture clinic
- lecture on core general surgery topics
- initiation and instructor in the fresh tissue lab
- instructor and evaluator for simulator training.
- created an anatomy refresher course and Surgery Course Review
- proposed and completed a study investigating the Effectiveness of Laparoscopic Computer Simulator versus Usage of Box-Trainer for Endoscopic Surgery Training of Medical Students. I was able to complete this clinical study with a grant from the Department of Surgery.
- Surgical Education and Activities Lab committee
- Comprehensive Educational Institute committee

Physician Assistant Residency Program lecturer, Duke University, Durham, NC. 2006- 2008.

Instructor for Physician Assistant Students.

- lecturing, suture teaching, weekly fresh tissue dissection, and course testing. Duke University, Durham, NC. 2006- 2008.

## **Teaching Portfolio at UT Southwestern**

### **Medical Students**

#### Positions/Committees/Invitations



Site Director for Medical Students in Surgery at Children's Medical Center 2013 – 2018

Site Director for Sub-Interns in Surgery at Children's Medical Center 2014- 2018

Surgical Education Committee 2013-current

Medical Student Commencement 2016, 2017

Medical Student Match Day 2016

UTSW School of Medicine Interview Process  
- Interviewer 2018-2019

### Education

Medical Student Tutorial Group Leader 2014, 2015, 2016

Medical Student Lecturer 2014, 2015, 2016, 2017

Medical Student Bootcamp lecturer 2014, 2015, 2016, 2017

Speaker "Females in Surgery" 2014, 2015, 2016, 2018

Lecture "Becoming a Surgeon" 2014, 2015, 2016

Surgical Sub-Intern lecture 2014, 2015, 2016, 2017

Medical Student Mock Interviewer 2014, 2015, 2016

Medical Student Oral exams 2016-present

Medical Student Surgery Week speaker October 2018

### Mentoring

Medical Student Specialty Advisor 2014- present

Student Shadowing 2013, 2014, 2015, 2016, 2017, 2018

### Administration

Revamping surgical clerkship for the medical students 2014, 2015

### **Residents**

Resident orientation to Pediatric Surgery

Resident Pediatric Surgery Lectures through the year

Faculty Mentoring of residents

- I meet with residents throughout the year to advise on performance, scholarly activity, and career planning.

Department of Surgery Chief's Conference

- Pediatric Surgery - May 2017
- Pediatric Surgery - December 2017
- Pediatric Surgery – April 2018
- Pediatric Surgery – October 2018

Department of Surgery Intern Interview committee

## **Fellowship**

### **Program Director**

This role involves supervision, coordination, monitoring, implementation, and evaluation of the pediatric surgery fellowship that is accredited by the ACGME, participates in ERAS, and ranks fellows through the Match. My direct supervisor is the DIO, Dr. David Weigle. I have a program coordinator to assist with administrative responsibilities.

#### **- Accreditation**

- ACGME Site visit 2014- Continued Accreditation with warning (continued from previous citation)
- ACGME site visit 2016- Continued Accreditation
- ACGME program review 2018 Continued Accreditation with no citations

#### **- Education/Curriculum**

- Revamping educational conferences, 2013- present
- Integration of SCORE, 2013 - present
- Implementation and introduction of Milestones 2013- present
- Introduction and implementation of OPRS 2013 to present
- Revamping evaluations, 2013 to present
- Development and coordination of the CCC, 2013 to present
- Development and coordination of the PEC, 2013 to present
- Creation, monitoring, and evaluation of annual action plan
- Addition of ECMO course to curriculum
- Redesign of the NICU, PICU, surgery multidisciplinary rounds
- Implementation and integration of new program requirements 2013- present (There have been new program requirements every year since 2013)

#### **- Committees as Program Director**

- UTSW PD meetings 2013-present
- Children's PD meetings 2013-present
- APSAPD meetings 2014- present
- Program Evaluation Committee, 2013 to present
- Clinical Competency Committee, 2013 to present

#### **- Individual lectures (Fellowship level)**

- Thyroid disorders in Children
- Head and Neck disorders in children
- Pyloric Stenosis
- Appendicitis
- Disorders of Sexual differentiation 2017
- Congenital Diaphragmatic Hernia September 14, 2017
- Thyroid disorders Jan 2 2018
- Thyroglossal Ducts Dec 19 2019

## **Mentoring**

Nistha Jajal – Medical Student Summer Research 2013

- Jajal N, Renkes R, Murphy JT, **Diesen DL**. Association of Demographic Factors and outcomes in necrotizing Enterocolitis. Medical student Research forum, UT Southwestern Medical Center January 2014 .
- Jajal N, Renkes R, **Diesen DL**. Effect of Demographic Factors on Outcomes of Necrotizing Enterocolitis. North Texas ACS February 2014.

Evan Ross and Jess Ballou- Medical Student research projects throughout the year

- Ross E. Moore J, Murphy J, **Diesen DL**. Association of blood transfusion and necrotizing enterocolitis in premature infants. In preparation for 2014.

Nick Spendlove - Medical Student Summer Research 2014 and 2015

- Spendlove N, Burkhalter L, Skinner M, **Diesen DL**. The clinical Presentation, Treatment, and Outcomes of Pediatric Thyroid Surgery in Children. Medical student Research forum, UT Southwestern Medical Center January 2015.
- Spendlove N, Rialon K, Burkhalter LS, Rong H, Skinner MA, **Diesen DL**. Contemporary review of Pediatric Thyroid Surgery. AAP poster 2015.
- Vaughan A, Spendlove N, **Diesen DL**. Treatment options for Pediatric Empyema: Video Assisted Thoracoscopic Surgery vs. Fibrinolytics. North Texas ACS presentation February 2016.

Joseph Balaban – Medical Student Summer Research 2018; my research mentee for SCH 1703 Clinical and Translational Research Scholarly Activity rotation

- Investigating the relationship between the institution of a neonatal simulation curriculum and the number of neonatal MIS cases performed in the division
- Investigating the relationship between increasing TPA doses on the treatment of pediatric empyema
- Investigating the preoperative factors of hypocalcemia in pediatric patient's needing thyroid surgery
- Investigating the significance of palpable thyroid nodules verses incidentally discovered thyroid nodules in pediatric patients

Mentoring Students (high school, college, PA students)

- 2014 Grace Jeong
- 2014 Janice Han
- 2016 Rithika Proddutoor
- 2016 Umaymah Aziz
- 2016-2017 Roja Todigala
- 2016-2017 John Dill
- 2017 Zachary Lopez

Mentoring Medical Students

- 2014 Neda Mitkova
- 2014-15 Specialty advisors- Carolyn Simmons; Michael Shaw
- 2015-16 Specialty advisors- Kelly Davis, Mary Villani
- 2016-17 Specialty advisor- Dania Malik
- 2017 Corey Timmerman
- 2017 Lorraine James
- 2017 Natasha Houshmand
- 2018 Joseph Balaban

- 2018-2019 Rohan Kulangara
- 2018-2019 Anjalo Chacko

Mentoring residents interested in surgery 2-3 year meetings; recommendations

- Kristen Gee
- Tiffany lee
- David Vu
- Christine Li

Mentoring residents outside UTSW

- 2017 Meghana Kashyap – resident at University of Nebraska Medical Center (former UTSW medical student)

Training of Pediatric Surgery Fellows at UTSW/ Children’s Health Dallas

- 2012-14 James (Jim) Wood
- 2013-15 Peter Pak
- 2014-16 Jessica Naiditch
- 2015-17 Ryan Walk
- 2016-18 James (Jimmy) Davis
- 2017-19 Jennifer (Leslie) Knod
- 2018-2020 Jessica Zagory

**Other Educational Activities**

Nurse Practitioner’s Suture Workshop at Children Medical Center Dallas 2014, 2015

Creation of Pediatric Surgery Teaching Repository 2016- present

- A collection of lectures, pictures, landmark papers, and other teaching tools for the medical students, residents, fellows, and faculty on our service.

APSA learning center – Simulation Station: Basic MIS Skills May 2017.

**External support (past and present) - gifts, grants, and contracts:**

<b>Purpose</b>	<b>Approximate Amount</b>	<b>Duration</b>
T32 Surgical Research Fellow Position 2006-2008	\$80,000	2 years
Surgical Education Grant to study the Effectiveness of Laparoscopic Computer Simulator versus Usage of Box-Trainer for Endoscopic Surgery Training of Medical Students. 2008-2009	\$12,000	Completed
SWAT education grant 2013-14	\$5,000	Completed
Storz simulation equipment grant 2015	3mm tray	Completed

**Patent**

UTSD:3359; TITLE: Resistance Training Mechanisms for Proper Handling of Laparoscopic Tools; CONTRIBUTORS: Ann Majewicz, Diana Diesen (Children's), Husam Wadi (UTD) 2016-2017.

### **Administrative**

Surgical Endocrine and Thyroid Center website redesign 2013-2014

Development and Coordination of Pediatric Thyroid Center

Via EPIC streamline of inpatient line consultations

Via EPIC streamline of Division order sets

Revision Fellowship website – Children's and UT sites

Invited interviewer for other Departments including but not limited to pathology, ENT, ED as well as division chief search for pediatric surgery and pediatric hospitalist medicine

### **Hobbies**

Open Water Scuba certification 1999

Private Pilot's License 2006

Shamrock Marathon Finisher 2008

Athens Marathon Finisher 2010

Dallas Half Marathon December 2016

Miami Marathon Finisher January 2017

Playtri Triathlon Irving, Tx July 2017

Summit Mt Kilimanjaro October 2017

Travel – Australia, Russia, China, Vietnam, Europe, Tanzania, US