

CURRICULUM VITAE

Nikola K. Puffinbarger, M.D.

UNDERGRADUATE EDUCATION:

1984 B.S., University of Oklahoma
Norman, Oklahoma

GRADUATE EDUCATION:

1991 M.D., University of Oklahoma College of Medicine
Oklahoma City, Oklahoma

POSTGRADUATE TRAINING:

1998-2000 Fellow in Pediatric Surgery
New York-Presbyterian Hospital
Columbia University
Children's Hospital of New York
New York, New York

1997-1998 Chief Resident in General Surgery
University of Oklahoma Health Sciences Center
Oklahoma City, Oklahoma

1995-1997 Resident in General Surgery
University of Oklahoma Health Sciences Center
Oklahoma City, Oklahoma

1996 Pediatric Surgery Rotation (January-February)
Children's Hospital of Philadelphia
Philadelphia, Pennsylvania
Scott Adzick, M.D., Surgeon-in-Chief

1995 Research Sabbatical
Jefferson Medical College
Philadelphia, Pennsylvania
Thomas Knudsen, M.D.

POSTGRADUATE TRAINING:

1993-1995 Postdoctoral Research Fellow
Immunobiology/Cancer Division
Oklahoma Medical Research Foundation
Oklahoma City, Oklahoma
L.F. Thompson, Ph.D.

1991-1993 Intern and Resident in General Surgery
University of Oklahoma Health Sciences Center

Oklahoma City, Oklahoma

ACADEMIC APPOINTMENTS:

2000 – 2006 Assistant Professor, Section of Pediatric Surgery
Department of Surgery, University of Oklahoma
College of Medicine, Oklahoma City, Oklahoma

2006 – Present Associate Professor, Section of Pediatric Surgery
Department of Surgery, University of Oklahoma
College of Medicine, Oklahoma City, Oklahoma

COMMITTEES:

2007-2008 Medical School Admissions Board
University of Oklahoma College of Medicine

2009- present Medical School Admissions Board
University of Oklahoma College of Medicine

2011 - Present American Board of Surgery – Associate Examiner

HONORS AND AWARDS:

Rader Trust Award for Outstanding Resident Physician 1997
University of Oklahoma Health Sciences Center
Oklahoma City, Oklahoma

Aesculapian Award Nominee for Excellence in Teaching 1997
University of Oklahoma College of Medicine
Oklahoma City, Oklahoma

NIH Award for Excellence in Basic Science Research 1996
Department of Surgery, University of Oklahoma
Oklahoma City, Oklahoma

Excellence in Surgical Research Award 1995
Oklahoma Chapter of the American College of Surgeons

NIH Award for Excellence in Basic Science Research 1994
Department of Surgery, University of Oklahoma
Oklahoma City, Oklahoma

Award for Best Paper, American College of Surgeons 1994
State of Oklahoma Committee on Trauma, Resident
Trauma Paper Competition

Award for Best Paper, American College of Surgeons 1992
State of Oklahoma Committee on Trauma, Resident

Trauma Paper Competition

HONORS AND AWARDS:

Outstanding Medical Student in Surgery, Oklahoma City Surgical Society, Oklahoma City, Oklahoma	1991
Finalist, Robert M. O'Neal Award for Excellence in Pathology Second year medical student. Oklahoma City, Oklahoma	1989
Presbyterian/Harris Research Scholarship, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma	1988
National Medical Technology Honor Society	1982-1984
Undergraduate Research Grant (two awarded) Zoology Department, University of Oklahoma	1982-1983
University of Oklahoma Undergraduate Teaching Assistant Grant in Physiology, Zoology Department University of Oklahoma	1981
National Exchange Club Scholarship, Oklahoma City Chapter, Oklahoma City, Oklahoma	1980-1981
President's Leadership Scholarship, University of Oklahoma	1980-1981

GRANT AWARDS:

NIH Research Training Grant #HL07207-18. "Immunohistochemical Localization of the Adenosine A2B Receptor and Ecto-5'-Nucleotidase In Gastrointestinal Tissue" Oklahoma Medical Research Foundation Immunobiology Division, Linda F. Thompson, Ph.D.	1993-1995
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LICENSURE:

Oklahoma	1991
New York	1998

BOARD CERTIFICATION:

American Board of Surgery, Certified in General Surgery Certificate; Recertified 12/03/2009 - expires 07/01/2021	2001
American Board of Surgery, Pediatric Surgery Certificate; Recertified 09/29/2010 – expires 07/01/2022	2002

ASSOCIATIONS:

Oklahoma State Medical Association	1991-present
American Medical Association	1991-present
American College of Surgeons, Fellow Candidate	1992-present
American Federation for Clinical Research	1995-1998
American Pediatric Surgical Association, Candidate Member	2000-present
American Academy of Pediatrics, Surgical Section Candidate Member	2001-present

PUBLICATIONS

1. Puffinbarger NK, Tuggle DW, Smith EI: Rapid Isotonic Fluid Resuscitation in Pediatric Thermal Burn Injury. *J Pediatr Surg* 29:339-342, 1993.
2. Puffinbarger NK, Hansen KR, Laurent AB, et al: Production of Chicken Antibodies Against the Human Adenosine A₂B Receptor. *Drug Develop Research* 31:310, 1994.
3. Puffinbarger NK, Hansen KR, Laurent AB, et al: Immunohistochemical Localization of the Adenosine A₂B Receptor (A₂BR) in Colonic Mucosa. *J FASEB* 9:A122, 1995.
4. Tunell WP, Puffinbarger NK, Taylor DV, et al: Abdominal Wall Defects in Infants: Survival and Implications for Adult Life. *Ann Surg* 221:525-530, 1995.
5. Puffinbarger NK, Hansen KR, Laurent AB, et al: Production and Characterization of Multiple Antigenic Peptide Antibodies to the Adenosine A₂B Receptor. *Molecular Pharmacol* 47:1126-1132, 1995.
6. Puffinbarger NK, Taylor DV, Tuggle DW, et al: Gastroschisis: A Birth Defect Seen in Increasing Numbers in Oklahoma? *J Okla State Med Assoc* 88:291-294, 1995.
7. Puffinbarger NK, Tunell WP, Tuggle DW, et al: End Tidal CO₂ as a Monitor for Primary Closure in Gastroschisis. *J Pediatr Surg* 31:280-282, 1996.
8. Knudsen TB, Puffinbarger NK, Thompson LF: Cellular Localization of the Adenosine-Responsive Stages of Implantation and Placentation. *Teratology* 53:159, 1996.
9. Jiang H, Hooker S, Puffinbarger NK, et al: Adenosine Receptor Expression in Developing Murine Thymus. *J FASEB* 10:A1047, 1996.
10. Markley MA, Mantor PC, Letton RW, Puffinbarger NK, Tuggle DW: Pediatric Vacuum Packing Wound Closure for Damage Control Laparotomy. *J Pediatr Surg* 37:512-514, March 2002.
11. Edil BH, Puffinbarger NK, Tuggle DW, Palmer BW, Knutson ZA, Mantor PC, Lerner MR, Brackett DJ: The Impact of Intra-abdominal Hypertension on Gene Expression In The Kidney. *J Trauma*. 2003 Nov; 55(5):857-9
12. Tuggle DW, Mantor PC, Foley DS, Markley MM, Puffinbarger NK: Using a Bioabsorbable Copolymer Plate for Chest Wall Reconstruction. *J Pediatr Surg* 39(4):626-628, April 2004.
13. Suthers SE, Albrecht R, Foley D, Mantor PC, Puffinbarger NK, Jones SK, Tuggle DW: Surgeon-Directed Ultrasound for Trauma is a Predictor of Intra-abdominal Injury in Children. *The American Surgeon* February 2004;70(2):164-7.
14. Edil BH, Tuggle DW, Jones S, Albrecht R, Kuhn A, Mantor PC, Puffinbarger NK: Pediatric major resuscitation—respiratory compromise as a criterion for mandatory surgeon presence. *J Pediatr Surg* 40(6):926-8; discussion 928, June 2005.

15. Miller D, Garza J, Tuggle DW, Mantor PC, Puffinbarger NK: Physical Exam as a Reliable Tool to Predict Intraabdominal Injuries in Brain Injured Children. *Am J Surg* 192(2006) 738-742.

CHAPTERS IN BOOKS

1. Puffinbarger N and Stylianos S: Thoracic Trauma. Pediatric Surgery Secrets, 1st Edition, Glick PL, Pearl RH, Irish MS, Caty MG (eds), Philadelphia, 2001, Hanley & Belfus, Chapter 56, pp227-230.
2. Mantor PC, Puffinbarger NK, Tuggle DW: Pediatric ICU Management. Pediatric Trauma: Pathophysiology, Diagnosis, and Treatment. Wesson DE, Cooper A, Scherer III LR, Stylianos S, and Tuggle DW (eds), New York, 2006, Taylor and Francis, Chapter 10, pp 123-134.

PRESENTATIONS

1. Rapid Isotonic Fluid Resuscitation in Pediatric Burns. American College of Surgeons, Committee on Trauma Region VI Resident Trauma Paper Competition, UTSWMC, Dallas, TX, November 13, 1992.
2. Rapid Isotonic Fluid Resuscitation in Pediatric Thermal Injury. 24th Annual Meeting of the American Pediatric Surgical Association, Hilton Head, SC, May 15-18, 1993.
3. Rapid Isotonic Fluid Resuscitation in Children. Residents' Research Forum, OUHSC, Oklahoma City, OK, May 25, 1993.
4. Production of Chicken Antibodies Against the Human Adenosine A₂B Receptor. 5th International Symposium on Adenosine and Adenine Nucleotides, Philadelphia, PA, May 7-13, 1994.
5. Intracranial Pressure Monitoring in Children with Traumatic head Injury. American College of Surgeons, Committee on Trauma, Region VI Resident Trauma Paper Competition, Louisiana State University School of Medicine, New Orleans, LA, November 5, 1994.
6. Distribution of Adenosine A₂B Receptor on Hemopoietic Cells. 12th Annual Texas Immunology Regional Conference, Oklahoma Medical Research Foundation, Oklahoma City, OK, November 11, 1994.
7. Molecular Basis of Cell Signals. Basic Science Course, Department of Surgery, OUHSC, Oklahoma City, OK, November 19, 1994.
8. Abdominal Wall Defects in Infants: Survival and Implications for Adult Life. 160th Annual Meeting of the Southern Surgical Association, Palm Beach, FL, December 5, 1994.
9. Immunohistochemical Localization of the Adenosine A₂B Receptor (A₂R) in Colonic Mucosa. FASEB, Atlanta, GA, April 9, 1995.
10. End Tidal CO₂ as a Monitor for Primary Closure in Gastroschisis. Pacific Association of Pediatric Surgeons, Mexico City, Mexico, May 16, 1995.

11. Localization of the Adenosine A₂B Receptor in Human Colon. Resident's Research Forum, Department of Surgery, OUHSC, Oklahoma City, OK May 24, 1995.
12. Cellular Localization of the Adenosine Responsive Stages of Implantation and Placentation. Teratology Society Meeting, Philadelphia, PA, June 1995.
13. Localization of the Adenosine A₂B Receptor in Human Colon. 18th Annual Pediatric Surgical Resident's Conference, Oklahoma City, OK, November 19, 1995.
14. Physiology of Wound Healing. Basic Science Course, Department of Surgery, OUHSC, Oklahoma City, OK, December 16, 1995.
15. Identification and Repair of Spigelian Hernia. Cine Presentation. Southwestern Surgical Congress, Scottsdale, AZ, April 28, 1996.
16. Duodenal Blunt Trauma. Case Presentation. G. Rainey Williams Symposium, Oklahoma City, OK, September 11, 1997.
17. Well-Differentiated Thyroid Cancers. Chief Resident Presentation. Department of Surgery Grand Rounds, OUHSC, Oklahoma City, OK, May 23, 1998.
18. Recent Experience with the Kimura Procedure. American Academy of Pediatrics, Surgical Section, Washington, DC, October 8, 1999.
19. ECMO Cannulation Procedure Summary. Nursing In-Service, Babies Hospital, New York, NY, March 10, 2000.
20. Bottoms Up: Anal, Rectal and Colonic Anomalies in Infancy. CME Program, Deaconess Hospital, Oklahoma City, OK, April 3, 2001.
21. Pediatric Trauma: They Take a Licking and Keep on Ticking. 10th Annual G. Rainey Williams Surgical Symposium. Oklahoma City, Oklahoma, September 21, 2001.
22. We Don't Two-Step in Oklahoma No More: Alternatives to Staged Repair for Colo-Rectal Anomalies, General Surgery Grand Rounds, Oklahoma City, OK, April 25, 2002.
23. Moreau A, Puffinbarger N, Garza J, Skinner S, Tuggle D. Persistent stridor unresponsive to medical management: a double aortic arch case. Pediatric Research Day, May 7, 2007
24. Townsend T, Atlaya H, Puffinbarger N, Ramji F. Biliary Atresia, A Pictorial Essay, RSNA, November 1, 2010.

Updated: 04/25/12