

Meghana Kashyap, MD, DIM&PH

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EDUCATION & TRAINING:

- 7/2018 – Present** **Children’s Hospital of Philadelphia (CHOP) – Philadelphia, PA**
Post-Doctoral Research Fellow
- 7/2016 – 7/2018 University of Nebraska Medical Center
Resident Physician in General Surgery
- 8/2010 – 6/2016 University of Texas Southwestern Medical Center (UTSW) – Dallas, TX
Doctor of Medicine
- 7/2015 – 6/2016 Institute for International Medicine
Diploma in International Medicine & Public Health (DIM&PH)
- 8/2007 – 6/2010 Emory University – Atlanta, GA
Major: B.S. in Neuroscience and Behavioral Biology **Minor:** Religion

BOARD CERTIFICATION:

- 8/7/2018 State Board of Medicine, Pennsylvania

EXPERIENCE:

- 2018 Center for Fetal Research, CHOP. Exosome-mediated enhancement of in utero hematopoietic stem cell transplantation for the treatment of hemoglobinopathies. Funding: NIH F32 HL143861
- 2012 Medical School Summer Research Program, UTSW. Established a lab protocol for a posterior approach to oophorectomy in cadaver and live mice. Funding: NIH T35 NIDDK grant
- 2012 Internship, Parkland Memorial Hospital. Assisted on a pilot, field trial of hypotensive resuscitation versus standard resuscitation in patients with hemorrhagic shock after trauma.
- 2011 Research student, University of North Texas Health Science Center. Research to characterize expression of various molecules during establishment of the retinal microvascular endothelial cell line.
- 2010 Research Intern, Cook Children’s Hospital. A retrospective chart review as part of a patient care evaluation of all ependymoma patients treated in the department of Hematology and Oncology.
- 2009 Summer Undergraduate Research Fellowship Program (SURF), UTSW. Research to design a DNA vector incorporating fluorescent labels and the protein TDP43, implicated in Lou Gehrig’s disease, to study its cellular localization using Fluorescence Resonance Energy Transfer (FRET) imaging.
- 2008 Volunteer Research, Grady Health System- Dept. of Emergency Medicine. Conducted surveys and enrolled patients for clinical trials in the Emergency Care department as part of a pilot clinical research program.
- 2008 Summer Training Among Research Scientists (STARS), Univ. of North Texas Health Science Center. Research on Middle Cerebral Artery Occlusion (MCAO) surgery, suture model, on rats, and conducted rotorod, straight alley, and Morris water maze behavioral testing on male rats in a Nestle study of dietary effects on strokes.
- 2007 Summer Training Among Research Scientists (STARS), Univ. of North Texas Health Science Center. Research on progression of glioma in the brainstem of young and adult rats.
- 2005 Research student, University of North Texas. Microinjection of zebrafish embryos to investigate whether knocking down von Willebrand factor through morpholino oligonucleotides affects thrombosis.

PUBLICATIONS:

1. Biga, Emil (2005). TeachScheme!: Proceedings of the TeachScheme! Anniversary Workshop. In R Cobbe (Ed.), *TeachScheme! Design Recipes++* (pp. 97-103). Boston: Northwestern Univ.
2. Liu Q, Liu R, Kashyap MV, Agarwal R, Shi XS, Wang CC, Yang SH: Brainstem glioma progression in juvenile and adult rats. **J Neurosurg** **109**:849-855, 2008
3. Kashyap, M. (2010). Ependymoma patient care evaluation. *Neuro-Oncology Program Annual Report*, 19-23.
(<https://www.cookchildrens.org/SiteCollectionDocuments/Neurosciences/NeuroOncology/CookChildrens-NeuroOncology-AnnualReport2010.pdf>)
4. Kpetemey M, Kashyap MV, Gibbs L, Vishwanatha JK: Breast cancer disparities: Frontline strategies, proceedings of the 7th annual Texas conference on health disparities. **J Carcinog** **11:16**, 2012
5. Kashyap M, Carter KT, Sauer BC, and Chen CT (2013) NF- κ B mediates cartilage degradation induced by trauma injury and interleukin-1. ASME Proceedings, SBC2013-14513, pp. V01BT28A006.
(<http://proceedings.asmedigitalcollection.asme.org/proceeding.aspx?articleid=1820091>)
6. Rajendiran S, Kashyap MV, Vishwanatha JK. Intersection of smoking, human immunodeficiency virus/acquired immunodeficiency syndrome and cancer: proceedings of the 8th annual Texas conference on health disparities. **J Carcinog** **12:18**, 2013
7. Kashyap MV, Ranjan AP, Shankaradas J, Vishwanatha JK. Establishment of human retinal microvascular endothelial cells with extended life-span. **In Vivo** **27(6):685-94**, 2013
8. Kashyap MV, Sprouse M, Nolan M, Chakraborty R, Cross D, Roby R, Vishwanatha JK. Role of genomics in eliminating health disparities. **J Carcinog** **14:6**, 2015
9. Radhakrishnan U, Kashyap M, Sundaramoorthi H, Khandekar G, Fuchs J, Perkins B, Jagadeeswaran P. Intraflagellar transport proteins are involved in thrombocyte filopodia formation and secretion. **Platelets** **10:1-10**, 2017

POSTERS AND PRESENTATIONS

1. Kashyap M, Yang S, Liu Q, Simpkins J. Vascular Dementia Induced by Transient Focal Cerebral Ischemia. Poster presented at 2007 summer program presentations, UNT Health Science Center, Fort Worth, Texas.
2. Kashyap M, Carter KT, Sauer BC, Chen CT. NF- κ B Mediates Cartilage Degradation Induced by Trauma Injury and IL-1. Poster session presented at: University of Texas Southwestern Medical Center 51st Annual Medical Student Research Forum; 2013 Jan 22; Dallas, TX.
3. Kashyap MV. Choledochal Cysts. This Week in SCORE. 2018 Feb 15.
4. Kashyap MV. Neuroblastoma. This Week in SCORE. 2018 Feb 15.
5. Kashyap MV. Surgical Considerations in the Pregnant Patient. This Week in SCORE. 2018 Feb 15.
6. Kashyap MV. Cesarean Section. This Week in SCORE. 2018 Feb 15.
7. Kashyap MV. Uterine Neoplasms – Benign and Malignant. This Week in SCORE. 2018 Feb 15.
8. Kashyap MV. Surgeons Infected with Blood-Borne Diseases. This Week in SCORE. 2018 May 14.
9. Kashyap MV. Unclear Competence and Decision-Making Capacity. This Week in SCORE. 2018 May 14.
10. Kashyap MV, Flake AW. Exosome-mediated enhancement of in utero stem cell transplantation for the treatment of hemoglobinopathies. Poster presented at: Extracellular Vesicles, Gordon-Kenan Research Seminar; 2018 Aug 18-19; Newry, ME.

GLOBAL COMMUNITY SERVICE.

8/2018 – Present Freedom English Academy Mentor
February 2016 Naresuan University, Phitsanulok, Thailand
March 2014 Medical Student Missions, Verrettes, Haiti

AWARDS:

UTSW Hudson-Penn Award nominee, 2016; Texas Chapter of the ACP, second place winner, 2013;
UTSW President's Volunteer Service Award, 2012-13.

PROFESSIONAL MEMBERSHIP & EDITORIAL DUTIES:

7/2018 – Present Behind the Knife – The Surgery Podcast
7/2018 – Present Association for Academic Surgery
7/2018 – Present National Postdoctoral Association
6/2018 – Present Association for Surgical Education
6/2018 – Present Association for Women in Surgery
5/2018 – Present UNMC House Officers Association Council
1/2018 – Present TWIS Quiz Development Committee of SCORE
2/2017 – Present American Pediatric Surgical Association
7/2016 – Present Resident & Associate Society – American College of Surgeons
8/2010 – Present Dallas County Medical Society
8/2010 – Present American Association of Physicians of Indian Origin – Medical Students,
Residents, and Fellows
8/2010 – 6/2016 Texas Medical Association
7/2015 – 7/2016 Doximity Physician Panelist

Reviewer:

5/2018 – Present *Journal of the American College of Surgeons*
6/2017 – Present RAS-JACS Journal Club

First Aid for USMLE Step 1 (2014)

Embryology at a glance/Samuel Webster, Rhiannon de Wreede

UT Southwestern Neuroanatomy – virtual limbic system