

Curriculum Vitae

Shree Gopal Sharma, MD

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ACADEMIC APPOINTMENTS

- **June 2019 - Current:** Laboratory Director, Arkana Laboratories, Little Rock, AR
- **September 2016 –Current:** Laboratory Director, Arkana Laboratories, Little Rock, AR
- **October 2014- Current:** Physician, Arkana Laboratories, Little Rock, AR
- **July 2012- September 2014:** Assistant Professor, Department of Pathology, University of Arkansas for Medical Sciences, Little Rock.
- **July 2011-June 2012:** Renal Pathology, New York Presbyterian Hospital, Columbia University Medical Center, New York.
- **July 2011:** Board certified in Anatomic and Clinical Pathology
- **July 2010-June 2011:** Pathology, University of Arkansas for Medical Sciences, Little Rock.
- **July 2007-June 2010:** Resident Pathology, University of Arkansas for Medical Sciences, Little Rock.
- **November 2006-June 2007-** Visiting consultant Pathologist Acunova, Manipal, India.
- **August 2006-June 2007:** Assistant Professor, Kasturba Medical College, Manipal, India.
- **May 2006-August 2006:** Researcher, All India Institute of Medical Sciences, (AIIMS) New Delhi, India.
- **July 2005-May 2006:** Senior Demonstrator, All India Institute of Medical Sciences, New Delhi, India.
- **July 2002-June 2005:** Doctor of Medicine (MD), Department of Pathology, All India Institute of Medical Sciences, New Delhi, India.
- **December 2000-December 2001:** Internship, Rajendra Medical College, Ranchi, India.
- **November 1995-December 2000:** Bachelor of Medicine and Bachelor of Surgery (MBBS), Rajendra Medical College, Ranchi, India.

EDUCATION:

- **July 2002-June 2005:** Doctor of Medicine (MD), Department of Pathology, All India Institute of Medical Sciences, New Delhi, India
- **November 1995-December 2000:** Bachelor of Medicine and Bachelor of Surgery (MBBS), Rajendra Medical College, Ranchi, India

PUBLICATIONS

Published articles in peer reviewed journals

1. Giannini G, Carlos Q Velez J, May RM, **Sharma SG**, Mohamed MMB, Cassol CA, Larsen CP, Caza TN. Renal Prognosis of COVID-19 Associated Nephropathy. *Kidney Int Rep.* 2022 Dec;7(12):2722-2725. doi: 10.1016/j.ekir.2022.09.027. Epub 2022 Sep 30.
2. May RM, Cassol C, Hannoudi A, Larsen CP, Lerma EV, Haun RS, Braga JR, Hassen SI, Wilson J, VanBeek C, Vankalakunti M, Barnum L, Walker PD, Bourne TD, Messias NC, Ambruzs JM, Boils CL, **Sharma S**, Cossey LN, Baxi PV, Palmer M, Zuckerman JE, Walavalkar V, Urisman A, Gallan AJ, Al-Rabadi LF, Rodby R, Luyckx V, Espino G, Santhana-Krishnan S, Alper B, Lam SG, Hannoudi GN, Matthew D, Belz M, Singer G, Kunaparaju S, Price D, Chawla S, Rondla C, Abdalla MA, Britton ML, Paul S, Ranjit U, Bichu P, Williamson SR, Sharma Y, Gaspert A, Grosse P, Meyer I, Vasudev B, El Kassem M, Velez JCQ, Caza TN. A multi-center retrospective cohort study defines the spectrum of kidney pathology in Coronavirus 2019 Disease (COVID-19). *Kidney Int.* 2021 Dec;100(6):1303-1315
3. Singh G, Massak M, Czaplicki M, Young E, **Sharma S**, Chang A, Bhanushali A, Anand P. Use of a Smartphone Camera at the Bedside to Assess Adequacy of Kidney Biopsies. *J Am Soc Nephrol.* 2021 Sep 13;32(12):3024-6
4. Cassol C, **Sharma S**. Nephrology Lagging Behind in Machine Learning Utilization. *Kidney Med.* 2021 Aug 26;3(5):693-695.
5. Caza TN, Hassen SI, Kuperman M, **Sharma SG**, Dvanajscak Z, Arthur J, Edmondson R, Storey A, Herzog C, Kenan DJ, Larsen CP. Neural cell adhesion molecule 1 is a novel autoantigen in membranous lupus nephritis. *Kidney Int.* 2021 Jul;100(1):171-181.
6. Caza TN, Hassen SI, Dvanajscak Z, Kuperman M, Edmondson R, Herzog C, Storey A, Arthur J, Cossey LN, **Sharma SG**, Kenan DJ, Larsen CP. NELL1 is a target antigen in malignancy-associated membranous nephropathy. *Kidney Int.* 2021 Apr;99(4):967-976
7. **Sharma SG**, Plotkin M. Id1 Expression in Kidney Endothelial Cells Protects Against Diabetes-induced Microvascular Injury. *FEBS Open Bio.* Accepted Author Manuscript. doi:10.1002/2211-5463.12793. 2020 Jan
8. Larsen CP, **Sharma SG**, Caza TN, Kenan DJ, Storey AJ, Edmondson RD, Herzog C, Arthur JM. Serum amyloid P deposition is a sensitive and specific feature of membranous-like glomerulopathy with masked IgG kappa deposits. *Kidney International.* 2020 Mar;97(3):602-608.

9. **Sharma SG**, Larsen CP. Tissue staining for THSD7A in glomeruli correlates with serum antibodies in primary membranous nephropathy: A Clinicopathological Study. *Mod Pathol*. 2018 Apr;31(4):616-622.
10. **Sharma SG**, Arthur JM, Bonsib SM, Phelan KD, Singh M, Karakala N, Bulloch KW, Niyyar VD, Velez JCQ. An Integrated Pathology and Ultrasonography-Based Simulation for Training in Performance of a Kidney Biopsy. *Clin Nephrol*. 2018 Mar;89(3):214-221.
11. Larsen CP, Boils CL, Cossey LN, **Sharma SG**, Walker PD. Clinicopathologic Features of Membranous-Like Glomerulopathy With Masked IgG Kappa Deposits. *Kidney International Reports*. 2016; 1(4): 299-305
12. Singh M, Shailesh F, Tiwari U, **Sharma SG**, Malik B. Phenazopyridine associated acute interstitial nephritis and review of literature. *Ren Fail*. 2014 Feb 27. [Epub ahead of print]
13. **Sharma SG**, Bomback AS, Radhakrishnan J, Herlitz LC, Stokes MB, Markowitz GS, D'Agati VD. The Modern Spectrum of Renal Biopsy Findings in Patients with Diabetes. *Clin J Am Soc Nephrol*. 2013 Oct; 8(10):1718-24.
14. Bashir B, **Sharma SG**, Stein HD, Sirota RA, D'Agati VD. Acute Kidney Injury Secondary to Exposure to Insecticides Used for Bedbug (*Cimex lectularis*) Control. *Am J Kidney Dis*. 2013 Nov;62(5):974-7
15. **Sharma SG**, Nickleit V, Herlitz LC, de Gonzalez AK, Stokes MB, Singh HK, Markowitz GS, D'Agati VD. BK polyoma virus nephropathy in the native kidney. *Nephrol Dial Transplant*. 2013 Mar; 28(3):620-31.
16. **Sharma SG**, Vlasse HL, D'Agati VD. IgG4-Related Tubulointerstitial Nephritis with Plasma Cell-Rich Renal Arteritis. *Am J Kidney Dis*. 2013 Apr;61(4):638-43.
17. **Sharma SG**, Post JB, Herlitz LC, Markowitz G. Renal Cortical Infarction Following Treatment With Sumatriptan in a Kidney Allograft Recipient. *Am J Kidney Dis*. 2013 Feb; 61(2):326-9.
18. **Sharma SG**, Moritz MJ, Markowitz GS. 2,8-Dihydroxyadeninuria disease. *Kidney Int*. 2012 Nov; 82(9):1036.
19. Kakati BR, Krishna K, Krishna SG, **Sharma SG**, Sanathkumar N, Rego RF. Extensive Extramedullary Disease Involving the Colon in Multiple Myeloma: A Case Report and Review of Literature. *J Gastrointest Cancer*. 2012 Jun; 43(2):379-81.
20. Hou J, Joseph RE, **Sharma SG**, Jennis AA, Markowitz GS. Intra-glomerular metastases. *Kidney Int*. 2012 May; 81(10):1046.

21. **Sharma SG**, Bonsib SM, Gokden N. Light Chain proximal tubulopathy: Expanding the pathologic spectrum with deposition of crystalline-like inclusions in glomeruli and interstitium in addition to proximal tubules. *ISRN Pathology*. 2012. Article ID 541075.
22. Krishna SG, Heif MM, **Sharma SG**, Pandey T, Rego RF. Intrapancreatic Accessory Spleen: Investigative Dilemmas and Role of EUS-Guided FNA for Diagnostic Confirmation. *JOP*. 2011 Nov9; 12(6):603-6.
23. Kakati B, Krishna S, **Sharma S**, Rego R. Pseudomelanosis duodeni: a rare finding from upper endoscopy. *Dig Endosc*. 2011 Apr; 23(2):201-2.
24. **Sharma SG**, Aggarwal N, Gupta SD, Singh MK, Gupta R, Dinda AK. Angiogenesis in renal cell carcinoma: correlation of microvessel density and microvessel area with other prognostic factors. *Int Urol Nephrol*. 2011 Mar;43(1):125-9.
25. **Sharma SG**, Gokden M, McKenney JK, Phan DC, Cox RM, Kelly T, Gokden N. The utility of pax-2 and renal cell carcinoma marker immunohistochemistry in distinguishing papillary renal cell carcinoma from nonrenal cell neoplasms with papillary features. *Appl Immunohistochem Mol Morphol*. 2010 Dec; 18(6):494-8.
26. Nanda S, Patel NC, Bhatt SP, Mathiesen C, Castaldo J, **Sharma SG**, Longo S. Therapeutic medical hypothermia-a multispecialty approach. *Recent Pat Cardiovasc Drug Discov*. 2010 Nov 1; 5(3):212-22.
27. **Sharma SG**, Nanda S, Longo S. Angiogenesis and the heart. *Recent Pat Cardiovasc Drug Discov*. 2010 Nov 1; 5(3):171-6.
28. **Sharma SG**, Gulley ML. BRAF mutation testing in colorectal cancer. *Arch Pathol Lab Med*. 2010 Aug;134(8):1225-8.
29. **Sharma SG**, Spencer T, Gokden N. The Significance of Foot Process Effacement in Immunoglobulin A Nephropathy: Clinicopathologic Study of 161 Cases with Light, Immunofluorescence and Electron Microscopic Studies. *Ultrastruct Pathol*. 2010 Oct;34(5):269-72.
30. Nanda S, **Sharma SG**, Longo S. Superficial siderosis - mechanism of disease: an alternative hypothesis. *Ann Clin Biochem*. 2010 May;47(Pt 3):275-8. Epub 2010 Apr 20.
31. **Sharma SG**, Nanda S, Longo S. Anti-angiogenic Therapy in Renal Cell Carcinoma. *Recent Pat Anticancer Drug Discov*. 2010 Jan; 5(1): 77-83.

32. Nanda S, Siddique SM, Martinez MW, **Sharma SG**, Patel NC, Longo S. Atrial fibrillation - advances in drug therapy. *Recent Pat Cardiovasc Drug Discov.* 2010 Jan 1;5(1):11-9.
33. Nanda S, **Sharma SG**, Longo S. Catastrophic rapid onset heparin induced thrombocytopenia- Victim of our own success. *Acta Cardiol* 2010; 65(1): 93-95.
34. Kang BY, Wang W, Palade P, **Sharma SG**, Mehta JL. Cardiac Hypertrophy during Hypercholesterolemia and its Amelioration with Rosuvastatin and Amlodipine. *J Cardiovasc Pharmacol.* 2009 Oct;54(4):327-34.
35. Nanda S, **Sharma SG**, Longo S. Molecular targets and abdominal aortic aneurysms. *Recent Patents on Cardiovascular Drug Discovery* 2009; 4(3). 150-159.
36. Das CJ, Seith A, Debnath J, Kumar U, **Sharma SG**, Aron M. Aspergillus colonisation of pulmonary rheumatoid nodules: a rare cause of 'bull's eye' appearance. *Indian J Chest Dis Allied Sci.* 2009 Jan-Mar; 51(1):41-3.
37. Nanda S, Longo S, Bhatt SP, Pamula J, **Sharma SG**, Dale TH. Stress cardiomyopathy – a unique presentation of diabetic ketoacidosis. *Annals of Clinical Biochemistry*, 2009 May;46(Pt 3):257-60
38. Gupta R, Mathur SR, Arora VK, **Sharma SG**. Cytologic features of extragonadal germ cell tumors: a study of 88 cases with aspiration cytology. *Cancer.* 2008; Dec 25; 114 (6):504-11.
39. **Sharma SG**. Questions on title: Steven J. Potts. Angiogenesis Measurement Using Digital Pathology. May 2008; Volume 39 (5). *Labmedicine*, pg 265 -271
40. **Sharma SG**, Mathur SR, Aron M, Iyer VK, Arora VK, Verma K. Chromophobe renal cell carcinoma with calcification: Rare finding on Aspiration Smears. *Diagn. Cytopathol.* 2008; 36:647–650.
41. Nanda S, **Sharma SG**, Bhatt SP, Pamula J, Arastu MI. Conundrum of Elevated HbA1C and Hypoglycemia-A Rare Cause. *Am J Med Sci.* 2008 May; 335(5):382-386.
42. **Sharma SG**, Aron M, Ray R, Kapila K. Epitheloid Hemangioma: Morphological presentation on aspiration smears. *Diagnostic Cytopathology* 2006;34(12):830-833.
43. Nayak A, **Sharma SG**, Tandon N, Ray R. Phosphaturic mesenchymal tumor: A case report. *Indian Journal of Pathology and Microbiology* 2004; 47(4): 530-533.
44. **Sharma SG**, Gupta SD, Singh MK, Dinda AK. Study of Angiogenesis and Proliferation Markers in Renal Cell Carcinoma. Thesis submitted and approved in December 2004 by Faculty of All India Institute of Medical Sciences, New Delhi, India.

Book Chapter

1. Cossey LN, **Sharma SG**: Renal Manifestations of Plasma Cell Neoplasms, In *Plasma Cell Neoplasms: Pathogenesis, Diagnosis and Laboratory Evaluation*, Lorschach, R.B., Yared, M. (eds) , Springer International Publishing AG, Switzerland, 2016.
2. Singh M, Nanda S, Longo S, **Sharma SG**: Angiogenesis: A new Therapeutic Target in Renal Cell Carcinoma. Recent patents on Anti-Cancer Drug Discovery. June 2011.

Patent (US 20120220044 A1):

Sharma SG, Singh M. Specimen vac bag. Automated processing of small biopsy specimens not needing orientation in pathology.

Published abstracts

1. Mathur P, Ayyar MP, Shah RR, **Sharma SG**. Exploring Classification of Histological Disease Biomarkers from Renal Biopsy Images. 2019 IEEE Winter Conference on Applications of Computer Vision (WACV), Waikoloa Village, HI, USA, 2019, pp. 81-90, doi: 10.1109/WACV.2019.00016.
2. Charu B, Rocha AB, **Sharma SG**, Larsen CP. KM55 is a Highly Specific but Insensitive Marker of IgA Nephropathy. Laboratory Investigation 2019 Mar; 99 (1): 1-36.
3. Ayyar M, Mathur P, Shah RR, **Sharma SG**. Harnessing AI for Kidney Glomeruli Classification. 2018 IEEE International Symposium on Multimedia (ISM), Taichung, 2018, pp. 17-20, doi: 10.1109/ISM.2018.00011.
4. Reed CL, **Sharma SG**, Prieto SP, Muldoon TJ. Quantitative Analysis of Renal Fibrosis Using a Colorimetric System. 2018 IEEE Conference on Multimedia Information Processing and Retrieval (MIPR), Miami, FL, 2018, pp. 178-183, doi: 10.1109/MIPR.2018.00040.
5. D Smith, **SG Sharma**, N Massoll, S Korourian. Short duration rapid chilling of breast tissue does not interfere with routine ancillary test results. Modern Pathology.
6. Velez JC, Niyyar V, Phelan K, Karakala N, Singh M, Bulloch KW, Arthur JM, **Sharma SG**. An Integrated Pathology and Ultrasonography-Based Simulation Is an Effective Educational Tool for the Performance of a Kidney Biopsy. J Am Soc Nephrol 2016; 27: 25A.
7. Plotkin MD, **Sharma SG**: Id1 Expression in Kidney Endothelial Cells Protects against Diabetes Induced Microvascular Injury. J Am Soc Nephrol 2016; 27: 433A.

8. **Sharma SG**, Larsen CP: Clinical and Pathological Spectrum of THSD7A Positive Membranous Glomerulopathy. J Am Soc Nephrol 2016; 27: 512A.
9. Hobby G, Siddiqui MM, **Sharma SG**, Singh M: Anti-Glomerular Basement Membrane Disease: A Case Report of an Uncommon Entity with Atypical Histological Findings. J Am Soc Nephrol 2016; 27: 1014A.
10. J Munkberg, J McKenney, **S Sharma**, N Gokden, R Cox. The diagnostic utility of S100P, PAX8 and P63 in the differential diagnosis of urothelial carcinoma of the renal pelvis and collecting duct carcinoma. Laboratory Investigation. 2013; 93, 237A.
11. RT Samdani, **SG Sharma**, RM Cox, HJ Spencer, N Gokden. Recurrence and Progression rates in non-invasive papillary urothelial neoplasms of the bladder: A study of tumors with mixed low and high grades. Laboratory Investigation. 2013; 93, 245A.
12. MK Harrison, LJ Cloar, NA Massoll, M Gokden, AG Saad, **SG Sharma**. Telecytology as a Tool To Screen Cervicovaginal Smears. Modern Pathology 2012; 25(S2):391A
13. **Sharma SG**, Saad AG. Vascular Endothelial Growth Factor Receptor-2 and Vascular Endothelial Growth Factor A are localized primarily to the vasculature in Pilomyxoid astrocytoma: A comparative study with Juvenile Pilocytic Astrocytoma. Modern Pathology 2011; 24(1): 385A
14. **Sharma SG**, Saad AG. Biliary dyskinesia in children. A mast cell related disorder. Modern Pathology 2011; 24(1): 403A
15. **Sharma SG**, Bonsib SM, Gokden N. Light Chain proximal tubulopathy: Expanding the pathologic spectrum with deposition of crystalline-like inclusions in glomeruli and interstitium in addition to proximal tubules. Modern Pathology 2011; 24(1): 461A
16. Gokden M, **Sharma SG**, Saad AG. The utility of dynamic passive telepathology in Neuropathology intraoperative consultations. A critical evaluation of cytologic and frozen section preparations. Modern Pathology 2011; 24(1): 339A
17. Saad AG, **Sharma SG**, Gokden M. The value of telepathology during intraoperative diagnosis of pediatric neuropathology. Modern Pathology 2011; 24(1): 341A
18. **Sharma SG**, Muhammad H. A Rare Case of Sclerosing Angiomatoid Nodular Transformation of the Spleen: A Clinical and Radiologic Mimicker of Metastasis in Renal Cell Carcinoma. Arch Pathol Lab Med. 2010 Sep;134(9):1334.
19. **Sharma SG**, Gokden N. Expression patterns of markers for targeted therapies in renal cell carcinoma. Modern Pathology 2010;23(1): 218A.

20. **Sharma SG**, E.Davis, Gibbons T, Saad AG. Pediatric patients with non-specific abdominal pain: A mast cell related disorder. *Modern Pathology* 2010;23(1): 395A.
21. **Sharma S**, Sweat K, Pesek G, Theus J, Bornhorst J. Comparison of Immunofixation Electrophoresis Band Detection by Examination of Physical Gels vs Electronic Gel Imaging. *Am J Clin Pathol* 2009;132:467
22. **SG Sharma**, N Gokden. The significance of podocyte foot process effacement (FPE) in primary IgA nephropathy: clinicopathologic study of 161 cases. *Modern Pathology* 2009;22:393A
23. RM Cox, C Pennington, **SG Sharma**, HJ Spencer, N Gokden. Inter-observer agreement between surgical and renal pathologist on interpretation of renal donor biopsies for transplant suitability. *Modern Pathology* 2009;22: 302A
24. DC Phan, **SG Sharma**, RM Cox, M Gokden, JK McKenney and N Gokden: The Utility of PAX2 and Renal Cell Carcinoma Marker Immunohistochemistry in Distinguishing Papillary Renal Cell Carcinoma from Non-Renal Neoplasms with Papillary Features. *Modern Pathology* 2009;22:189 A
25. MR Lindberg, CM Quick, Haihong Zhang, Dan C. Phan, **Sharma Shree**, Laura Lamps, Bruce R. Smoller and Chun-Yang Fan. Mitochondrial DNA 4977 basepair deletion occurs more frequently in normal colonic mucosa than in tubular adenoma: its potential role as tumor suppressor in progression of colon cancer. *Modern Pathology* 2009;22:138A
26. **Sharma SG**, Sawyer J, Bellamy WT, Lorsbach R, Oza K, Singh ZN. Morphological spectrum of Non-Burkitt lymphomas in *MYC*-associated cytogenetic abnormalities. *Archives of Pathology & Lab Medicine* 2008; 132:1465
27. **Sharma SG**, Aggarwal N, Deo V, Makharia G, Sharma MP, Tevatia MS, Datta Gupta S. Microscopic colitis. Diagnosed as non-specific colitis. *Indian J Pathol Microbiol.* 2005; 48:80.
28. Deo V, **Sharma SG**, Aggarwal N, Makharia G, Sharma MP, Tevatia MS, Datta Gupta S. Histological distinction between Crohn's disease and tuberculosis of colon. *Indian J Pathol Microbiol* 2005; 48:79.

HONOURS AND AWARDS

1. Selected in Top Five of the **40under40 program by American Society of Clinical Pathology**, August 2014.

2. **Chair's Cup Award** awarded annually to the faculty member who best exhibits exemplary dedication to the mission of the department at Department of Pathology at University of Arkansas for Medical Sciences, Little Rock, USA, May 2014.
3. Selected by **American Society of Clinical Pathology** as one of the future leaders in pathology and laboratory medicine in **40under40 program**.
4. **Outstanding Teacher Award** voted by Residents of Department of Pathology at University of Arkansas for Medical Sciences, Little Rock, USA, May 2011.
5. **First prize** by the **Society for Ultrastructural pathology** for the poster titled Light Chain proximal tubulopathy: Expanding the pathologic spectrum with deposition of crystalline-like inclusions in glomeruli and interstitium in addition to proximal tubules. USCAP 100th Annual meeting San Antonio, USA, March 2011.
6. **Outstanding Teacher Award** voted by Residents of Department of Pathology at University of Arkansas for Medical Sciences, Little Rock, USA, May 2010.
7. **Full membership of Sigma xi**, The Scientific Research Society (20099990251).
8. **Dr H.D Tandon award for best poster** titled ' Correlation of angiogenesis and proliferation markers in renal cell carcinoma' at 21st Annual conference - Delhi chapter, Indian Association of Pathologist and Microbiologists, New Delhi, April 2006

Invited talks

1. Speaker at Department of Nephrology, Geisinger Medical Center, Kidney Pathology for Boards. November 2018.
2. Speaker at Department of Nephrology, Geisinger Medical Center, Kidney Pathology Workshop for Boards. October 2019.
3. Speaker at University of Arkansas for Medical Sciences, "How To Find Joy In Your Work", Little Rock, AR, September 2017.
4. Webinar for University of Mississippi, "Introduction to Kidney Pathology", August 2017.
5. Webinar for University of Mississippi Nephrology fellows. Topic- Introduction to Kidney Pathology, August 2017.
6. Webinar for Melaka Manipal Medical College – India, "Introduction to Grossing", August 2017.
7. Webinar for Mount Sinai-St. Luke's Roosevelt Hospital Center, Icahn School of Medicine, "Introduction to Pathology" for new Residents, July 2017.
8. Speaker at University of Arkansas for Medical Sciences, "Lupus Nephritis" for Rheumatology fellows, June 2017.
9. Speaker at ApEx-MGH 2017, "The Renal Pathology Workshop", Mumbai, India, May 2017.

10. Speaker at KIDNEYcon, Kidney Pathology Workshop, Little Rock, AR, 2021 and 2022.
11. Speaker at KIDNEYcon, “Pathology of Acute Kidney Injury”, Little Rock, AR, April 2017.
12. Speaker at KIDNEYcon, Jeopardy: Kidney Pathology, Little Rock, AR, April 2017.
13. Workshop on The Kidney Biopsy at KIDNEYcon, Little Rock, AR, April 2017.
14. Webinar for Mount Sinai, “How Do I Design My Career”, April 2016.
15. Speaker at KIDNEYcon, “Pathology of Chronic Kidney Disease”, Little Rock, AR, April 2016.
16. Workshop on The Kidney Biopsy at KIDNEYcon, Little Rock, AR, April 2016.
17. Lecture at Medical University of South Carolina, “Nephropathology for Boards”, October 2015.
18. Lecture at Medical University of South Carolina – Transplant Fellows, “Nephropathology”, October 2015.
19. Speaker at University of Arkansas for Medical Sciences, “Why” of the fellowship specialty, June 2015.
20. Speaker at Mount Sinai, “Introduction to Kidney Pathology”, June 2015.
21. Speaker at the Annual Arkansas Commercialization Retreat, Winthrop Rockefeller Conference Center, AR June 2014. The topic was - Cross-campus and cross-university initiatives – past, present, and future.
22. Speaker at the Annual meeting of Arkansas Society of Histotechnologist, March 2014. The topic presented was “Integrating mobile technology with pathology-Mobile histology for the future).
23. Webinar titled “Mobile devices in the histopathology industry to educate share and exchange” for Leica. The webinar was broadcasted across more than 40 countries. August 2013.
24. Spectrum and pathology of renal diseases. Department of Rheumatology, University of Arkansas for Medical Sciences, March 2013.
25. Workshop on Laboratory Safety for Laboratory Personnel at Kasturba Medical College, Manipal, India, 2006.
26. Pathology Discussor at Clinicopathological Conference, Medicine Update-2005. On topic- Fibrillary Glomerulonephritis, December 2005, Maulana Azad Medical College, New Delhi, India.

Editorial activity

1. Medical text editor for “Diagnostic Pathology: Hepatobiliary and Pancreatic book”.
2. Reviewer Infomatics abstracts for United States and Canadian Academy of Pathologist, Annual meeting 2012-2017.
3. Reviewer of scientific abstracts submitted for annual meeting of Federation of Clinical Immunology Societies, 2012-2014.

Teaching activity:

- Arkana Laboratories: I am actively involved in teaching pathology and nephrology fellows during their rotation at Arkana Laboratories. I also conduct kidney pathology webinars for nephrology fellows and conduct case conferences.

- University of Arkansas for Medical Sciences: I am actively involved in teaching house staff and medical students during the daily sign-outs and conducting didactic lectures.
- Columbia University Medical Center, New York: I was actively conducting bimonthly clinicopathological conferences and was teaching the residents and the nephrology fellows rotating in the department.
- Kasturba Medical College: I was a faculty member, actively involved in teaching the pathology residents, medical students and students of allied health sciences. I organized examinations and evaluated students for their performance.
- I designed and conducted workshop on Laboratory Safety for Laboratory Personnel at Kasturba Medical College, Manipal, India. This was deeply appreciated by the laboratory personnel and by the management of the hospital.
- All India Institute of Medical Sciences (AIIMS): During my tenure as Junior and Senior Demonstrator at AIIMS, I taught medical students, and conducted practical classes.

Mentorship activities:

1. Mentor at Health Sciences Entrepreneurship Boot Camp, Conway, AR, 2018-2021.
2. Mentor for medical students during my tenure as Assistant Professor at Kasturba Medical College, Manipal, India.
3. Mentor at the Table, US & Canadian Academy of Pathology Meeting, March 2016.
4. Mentor for OmniSense (Team working on developing continuous glucose monitor, team is finalist at CONRAD Foundation's Spirit of Innovation Challenge 2014)
5. Mentor for Alex Bousamara (resident) at UAMS, 2009-2013
6. Mentor and Chief Scientific officer for BioBotics Solution (Team working on automating biopsy grossing)

MEMBERSHIP IN PROFESSIONAL SOCIETIES

1. Member of College of American Pathologists (1150411).
2. Member of American Society for Clinical Pathology (04217049).
3. Member of United States and Canadian Academy of Pathology (26789).
4. Member of Renal Pathology Society.
5. Member of American Society of Nephrology (173201).

MEMBERSHIP IN COMMITTEES

1. Member of Informatics committee, USCAP (2012- 19).
2. Member of Innovative educational products committee, USCAP (2012- 15).
3. Member of the hospital ethics committee, UAMS (2009-11).
4. Member of the GMEC Resident Council Subcommittee, UAMS (2010-11).
5. Member of the GMEC Self Reflection/Assessment Subcommittee, UAMS (2010-11).

PAPERS & COURSES PRESENTED

1. Conducted workshop on - Issues in practice for pathologists, less than 5 years in practice, Annual USCAP meeting, San Diego, 2014.
2. Automating Grossing in Anatomic Pathology. Association of Pathology Informatics Meeting, Chicago, October 2012.
3. Comparison of Immunofixation Band Detection by Examination of Physical Gels versus Electronic Gel Imaging. Academy of Clinical Laboratory Physicians & Scientists 44th Annual Meeting, Los Angeles, June 2009.
4. Correlation of microscopic vascularity of renal cell carcinoma with known prognostic factors 20th Annual conference- Delhi chapter, Indian Association of Pathologist and Microbiologists, New Delhi, India, April 2005.
5. Microscopic colitis: Diagnosed as non-specific colitis 19th Annual conference- Delhi chapter, Indian Association of Pathologist and Microbiologist, Pune, India, April 2004.

POSTERS PRESENTED IN CONFERENCE (USCAP, CAP and OTHERS):

1. Singh M, Gokden N, **Sharma SG**. Everything that looks and behaves like amyloid might not be amyloid. Present at Annual National Kidney Foundation meeting, April, Las Vegas, 2014.
2. Prieto SP, Powless AJ, Majid AA, Laryea JA, Mizell JS, **Sharma SG**, Muldoon TJ. Fiber bundle microendoscopy for characterization of dysplastic lesions in colonic epithelium. Annual meeting OSA Biomedical optics meeting, Miami, April 2014.
3. Powless AJ, Majid AA, Boice JW, Prieto SP, Pierce MC, Balachandran K, **Sharma SG**, Muldoon TJ. A Fluorescence Imaging Optofluidics Device for Cytologic Morphology Assessment. Annual meeting OSA Biomedical optics meeting, Miami, April 2014.
4. **Sharma SG**, Bomback AS, Radhakrishnan J, Herlitz LC, Stokes MB, Markowitz GS, D'agati VD. The modern spectrum of renal biopsy findings in diabetics. Annual meeting of American Society of Nephrology (ASN), San Diego, November 2012.
5. Harrison MK, Cloar LJ, Massoll NA, Gokden M, Saad AG, **Sharma SG**. Telecytology as a tool to screen cervicovaginal smears. Annual meeting (USCAP), Vancouver, Canada, 2012.
6. **Sharma SG**, Saad AG. Vascular Endothelial Growth Factor Receptor-2 and Vascular Endothelial Growth Factor A are localized primarily to the vasculature in Pilomyxoid astrocytoma: A comparative study with Juvenile Pilocytic Astrocytoma. United States and Canadian Academy of Pathology. Annual meeting (USCAP), San Antonio, 2011.

7. **Sharma SG**, Saad AG. Biliary dyskinesia in children. A mast cell related disorder. Annual meeting (USCAP), San Antonio, 2011.
8. **Sharma SG**, Bonsib SM, Gokden N. Light Chain proximal tubulopathy: Expanding the pathologic spectrum with deposition of crystalline-like inclusions in glomeruli and interstitium in addition to proximal tubules. Annual meeting (USCAP), San Antonio, 2011.
9. Gokden M, **Sharma SG**, Saad AG. The utility of dynamic passive telepathology in Neuropathology intraoperative consultations. A critical evaluation of cytologic and frozen section preparations. . Annual meeting (USCAP), San Antonio, 2011.
10. Saad AG, **Sharma SG**, Gokden M. The value of telepathology during intraoperative diagnosis of pediatric neuropathology. Annual meeting (USCAP), San Antonio, 2011.
11. **SG Sharma**, N Gokden. The significance of podocyte foot process effacement (FPE) in primary IgA nephropathy: clinicopathologic study of 161 cases. United States and Canadian Academy of Pathology. Annual meeting (USCAP), Washington DC, 2010.
12. RM Cox, C Pennington, **SG Sharma**, HJ Spencer, N Gokden. inter-observer agreement between surgical and renal pathologist on interpretation of renal donor biopsies for transplant suitability. Annual meeting USCAP, Washington DC, 2010.
13. DC Phan, **SG Sharma**, RM Cox, M Gokden, JK McKenney and N Gokden: The Utility of PAX2 and Renal Cell Carcinoma Marker Immunohistochemistry in Distinguishing Papillary Renal Cell Carcinoma from Non-Renal Neoplasms with Papillary Features. Annual meeting USCAP, Boston, 2009.
14. MR Lindberg, CM Quick, Haihong Zhang, Dan C. Phan, **Sharma Shree**, Laura Lamps, Bruce R. Smoller and Chun-Yang Fan. Mitochondrial DNA 4977 basepair deletion occurs more frequently in normal colonic mucosa than in tubular adenoma: its potential role as tumor suppressor in progression of colon cancer. Annual meeting USCAP, Boston, 2009.
15. **Sharma SG**, Sawyer J, Bellamy WT, Lersbach R, Oza K, Singh ZN. Morphological Spectrum of Non-Burkitt Lymphomas in *MYC*-Associated Cytogenetic Abnormalities. College of American Pathologist Annual Meeting, San Deigo 2008.
16. Aggarwal N, Seethala RR, **Sharma SG**, Gupta SD, Dinda AK, Mohanti BK, Singh MK. Angiogenesis, MIB 1, DNA ploidy and p53 in mucosa adjacent to oral squamous cell carcinomas. Annual meeting USCAP, Denver, 2008.
17. **Sharma SG**, Aggarwal N, Singh M, Gupta SD, Dinda AK. Correlation of Angiogenesis and Proliferation Markers in Renal Cell Carcinoma. 21st Annual

conference - Delhi chapter, Indian Association of Pathologist and Microbiologists,
April 2006

18. **Sharma SG**, Aggarwal N, Malhotra AK, Ramam M, Singh M, Ray R. Verruciform xanthoma on glans penis: report of a rare case. 21st Annual conference - Delhi chapter, Indian Association of Pathologist and Microbiologists, April 2006
19. Aggarwal N, **Sharma SG**, Makharia G, Gupta SD. Spirochetosis of intestine: A case report. 21st Annual conference - Delhi chapter, Indian Association of Pathologist and Microbiologists, April 2006
20. Aggarwal N, **Sharma SG**, Makharia G, Das AK, Ray R. Malabsorption: A rare presentation of visceral leishmaniasis. 21st Annual conference - Delhi chapter, Indian Association of Pathologist and Microbiologists, April 2006.
21. Kumar AR, Aggarwal N, **Sharma SG**, Singh MK, Ramam M, Ray R. Benign Cephalic Histiocytosis: report of a rare case. 21st Annual conference - Delhi chapter, Indian Association of Pathologist and Microbiologists, April 2006.
22. Kanchana R, Aggarwal N, **Sharma SG**, Seenu V, Ray R. Spindle cell Lipoma: A case report. 21st Annual conference - Delhi chapter, Indian Association of Pathologist and Microbiologists, April 2006.
23. Aggarwal N, **Sharma SG**, Singh M, Gupta SD, Dinda AK. Correlation of microscopic vascularity of squamous cell carcinoma of oral cavity with known prognostic factors 20th Annual conference- Delhi chapter, Indian Association of Pathologist and Microbiologists, April 2005
24. **Sharma SG**, Aggarwal N, Das AK, Dinda AK. Adenomyomatous Hamartoma, Common Bile Duct: A Case Report. 19th Annual conference- Delhi chapter, Indian Association of Pathologist and Microbiologists, April 2004
25. Nayak A, Aggarwal N, Das AK, **Sharma SG**, Dinda AK, Aron M. Frantz Tumor (Solid Pseudopapillary Tumor of the Pancreas): A Case Report. 19th Annual conference- Delhi chapter, Indian Association of Pathologist and Microbiologists, April 2004
26. Aggarwal N, **Sharma SG**, Tevatia MS, Makharia G, Sharma MP, Gupta SD. Lymphangiectasia: Primary or Secondary? 19th Annual conference- Delhi chapter, Indian Association of Pathologist and Microbiologists, April 2004
27. Aggarwal N, Das AK, Nayak A, **Sharma SG**, Vijayraghavan M. Metanephric Adenoma. A report of a rare case. 18th Annual conference- Delhi chapter, Indian Association of Pathologist and Microbiologists, April 2003

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