

# Curriculum Vitae and Bibliography

## Prince Singh, MBBS

### Personal Information

Place of Birth: Patna, Bihar, India  
Citizenship: Permanent Resident/Green Card  
Work Address: 1001 East Superior  
Street, Suite 201  
Duluth, Minnesota  
Email Address: prince.singh@slhduluth.com

### Education

Nalanda Medical College, Patna, Bihar, India - MBBS 08/2004—09/2010  
Winthrop University Hospital, Mineola, Long Island, New York - Resident 07/2015—06/2018  
Nephrology, Programs in Rochester, Mayo School of Graduate Medical Education, Mayo Clinic College of Medicine, Rochester, Minnesota - Fellow 07/2018—06/2021  
Fellow in Transplant Nephrology – Duke University School of Medicine 07/2021—06/2022

### Certification

#### Board Certifications

##### American Board of Internal Medicine (ABIM)

Internal Medicine 2019—Present  
Nephrology 2021—Present

##### American Heart Association (AHA)

Advanced Cardiovascular Life Support (ACLS) 2019—Present  
Basic Life Support (BLS) 2019—Present

##### American Society of Hypertension

Specialist in Clinical Hypertension 2020—Present

##### Mayo Clinic Quality Academy

Mayo Clinic Quality Fellow: Bronze Level Certification 2014

### Licensure

United States (Medical)  
of America  
  
Minnesota 63770 2022 - Present  
North Carolina 301338 2021—Present

**Previous Professional Positions and Major Appointments**

<b>Instructor in Medicine</b> - St. Martinus University School, Faculty of Medicine , Rochester, Minnesota Lectures and small group discussions with medical school I and II year students	01/2012—05/2013
<b>Instructor in Medicine</b> – Winthrop University Hospital/SUNY Stony Brook School of Medicine Bedside rounds with medical students in year II and III students	01/2015—05/2018
<b>Research trainee</b> - Division of Nephrology & Hypertension, Department of Internal Medicine, Mayo Clinic, Rochester, Minnesota Rochester Epidemiology Project, Kidney Stones	12/2013—05/2014
<b>Research Fellow</b> - Division of Nephrology & Hypertension, Department of Internal Medicine, Mayo Clinic, Rochester, Minnesota Aging Kidney Anatomy	06/2014—04/2015

**Service****Community Memberships and Services**

Catholic Medical Association Member	03/2020—Present
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**Professional Memberships and Societies****Professional Memberships and Services**

American College of Physicians Member	09/2015—Present
American Society of Nephrology Member	07/2018—Present
American Society of Transplant Surgeons Member	10/2020—Present
American Society of Transplantation Member	07/2019—Present
National Kidney Foundation Member	07/2018—Present
The Transplantation Society Member	08/2020—Present

**Journal Responsibilities****Journal Editorial Responsibilities**

Editorial Fellow American Journal of Transplantation	06/2022-Present
American Society of Nephrology Abstract Reviewer	06/2020—06/2020

**Education Interests and Accomplishments**

**Teaching**

Small group teaching 30 hours (4 weeks) Mayo Clinic School of Medicine, Rochester, Renal Block Rochester, Minnesota	12/2019
Acute kidney injury A 0.5 hour lecture on acute kidney injury (AKI)- definition, etiology, diagnosis and management from a standpoint of medical students needs Mayo Medical School Rochester, Minnesota	12/2019
Preceptor Small group leader- 16 hours large group teaching Mayo Clinic School of Medicine, Renal Block Rochester, Minnesota	12/2019

**Academic Career Development**

Hot Topics in Immunosuppression University of Minnesota Minneapolis, Minnesota	09/2019
American Society of Transplantation-Fellows Symposium Scholarship as a fellow to attend the symposium AST 2019 Annual Fellows Symposium Dallas, Texas	09/2019
2019 Midwest Nephrology and Transplant Symposium Fellow Scholarship to attend the symposium Washington University Saint Louis, Missouri	10/2019
22nd International Conference on Dialysis Recommended as a fellow to attend the course Annual course on dialysis- with updates Los Angeles, California	01/2020
Writing and Publishing High-Impact Research Manuscripts Workshop One day course on 'How to Write Effectively for Publication' Mayo Clinic Annual Course on Biomedical Writing Rochester, Minnesota	03/2020

**Institutional/Departmental Administrative Responsibilities, Committee Memberships and Other Activities****Mayo Clinic in Rochester**

Department of Internal Medicine Division of Nephrology & Hypertension Research Committee Member	07/2019—12/31/2019
Education Committee Member	01/01/2020—06/2020

**Presentations Extramural****National or International**

**Oral**

- Primary Hyperoxaluria Type 3: Clinical characteristics. Comparison with PH Types 1 and 2  
Oral Presentation  
Oxalosis and Hyperoxaluria Foundation  
Harvard Medical School, Boston, Massachusetts  
06/25/2019
- Posttransplant lymphoproliferative disorder in a kidney transplant recipient-  
management of immunosuppression  
Oral presentation  
American Society of transplantation-follows symposium 2019  
Dallas Fort Worth, Texas  
09/27/2019
- Phenotypic expression of primary hyperoxaluria: Comparative features of types 1,2 and 3  
Oral presentation  
Mayo Clinic- Nephrology & Hypertension Grand Rounds  
Rochester, Minnesota  
10/15/2019

**Poster**

- Comparison of chronic kidney disease markers between incident symptomatic  
stone formers and controls  
Poster presentation  
ASN 2014  
11/11/2014
- Renovascular Hypertension due to an Unusual Cause of Renal Artery External  
Compression  
Poster Presentation  
ASN 2014  
11/11/2014
- Risk of clinical care for a kidney stone event increases with number of prior stone  
events: a Rochester Epidemiology Project study.  
Poster presentation  
ASN 2014  
11/11/2014
- Clinical and Biochemical Features in Primary Hyperoxaluria Type 3  
Poster Presentation  
ASN 2014  
11/16/2014
- Phenotypic expression of primary hyperoxaluria: Comparative features of types  
1,2 and 3  
Poster Presentation  
ASN 2019  
11/07/2019
- Microcystic Kidney Disease Related to Long-term Lithium Use  
Poster Presentation  
2020 International Medical Conference on Dialysis  
Los Angeles, Maryland  
01/20/2020
- Pelvic kidney in a potential kidney donor  
Poster Presentation  
National Kidney Foundation- 2020 Spring Clinical Meetings  
New Orleans, Louisiana  
03/25/2020

**Regional**

**Invited**

Opioids use in Dialysis Patients 05/24/2021  
 Morbidity and Mortality Conference- Internal Medicine  
 Mayo Clinic  
 Rochester, Minnesota

**Oral**

Risk of clinical care for a kidney stone event increases with number of prior stone events: a Rochester Epidemiology Project 11/01/2014  
 Oral presentation  
 Mayo Clinic Nephrology and Hypertension Grand Rounds  
 Mayo Clinic; Rochester, Minnesota

Microcystic kidney disease related to long term lithium use 02/21/2020  
 Oral Presentation  
 Nephrology and Transplantation for the Clinician 2020: 18th Annual Update from  
 Mayo Clinic  
 Phoenix, Arizona

**Clinical Practice, Interests, and Accomplishments**

Management of resistant and refractory hypertension, care of patients with chronic kidney disease, management of patients with common and rare kidney stones, managing patients on acute and chronic dialysis, donor and recipient evaluation for kidney transplant. Short and long term medical management of patients who are kidney transplant recipients.

**Research Interests and Accomplishments**

Pharmacodynamics of immunosuppressant agents, chronic antibody mediated rejection, drug development and discovery of novel agents for treatment of kidney transplant rejection and primary hyperoxaluria

**Quality Initiatives****Quality**

Mayo Clinic Bronze Quality Essentials Certification 07/19/2014—Present

## Bibliography

### Peer-reviewed Articles

1. **Singh P**, Knoedler JJ, Krambeck AE, Lieske JC, Bergstralh EJ, Rule AD. Thiazide diuretic prophylaxis for kidney stones and the risk of diabetes mellitus. *J Urol*. 2014 Dec; 192 (6):1700-4 Epub 2014 June 30 PMID: 24992333 PMCID: 4252655 DOI: 10.1016/j.juro.2014.06.078
2. **Singh P**, Enders FT, Vaughan LE, Bergstralh EJ, Knoedler JJ, Krambeck AE, Lieske JC, Rule AD. Stone Composition Among First-Time Symptomatic Kidney Stone Formers in the Community. *Mayo Clin Proc*. 2015 Oct; 90 (10):1356-65 Epub 2015 Sept 06 PMID: 26349951 PMCID: 4593754 DOI: 10.1016/j.mayocp.2015.07.016
3. Denic A, Lieske JC, Chakkera HA, Poggio ED, Alexander MP, **Singh P**, Kremers WK, Lerman LO, Rule AD. The Substantial Loss of Nephrons in Healthy Human Kidneys with Aging. *J Am Soc Nephrol*. 2017 Jan; 28 (1):313-320 Epub 2016 July 08 PMID: 27401688 PMCID: 5198286 DOI: 10.1681/ASN.2016020154
4. Cunha BA, Elyasi M, **Singh P**, Jimada I. Lyme carditis with isolated left bundle branch block and myocarditis successfully treated with oral doxycycline. *IDCases*. 2017 Dec 16;11:48-50.doi:10.1016/j.idcr.2017.12.006. PMID: 29326870 PMCID: PMC5760251
5. Chen Q, Du Y, **Prince S**, Zhang P, Li G, Wang L, Wang W. Primary thymic mucosa-associated lymphoid tissue lymphoma complicated with renal amyloidosis: A first case report. *Medicine (Baltimore)*. 2020 Mar; 99 (13):e19462 PMID: 32221068 PMCID: 7220216 DOI: 10.1097/MD.00000000000019462
6. **Singh Prince**, Manohar Sandhya Manohar, Erickson Stephen Erickson. Abdominal Pain in a Patient with Hypercalcemia *Kidney360*. 2020.
7. **Singh P**, Chebib FT, Cogal AG, Gavrilov DK, Harris PC, Lieske JC. Pyridoxine Responsiveness in a Type 1 Primary Hyperoxaluria Patient With a Rare (Atypical) AGXT Gene Mutation. *Kidney Int Rep*. 2020 Jun; 5 (6):955-958 Epub 2020 Apr 13 PMID: 32518881 PMCID: 7270974 DOI: 10.1016/j.ekir.2020.04.004
8. **Singh Prince**, Bentall Andrew, Erickson SB. CT Scan Surprise in a Potential Kidney Donor *Kidney 360*. 2020. DOI: <https://doi.org/10.34067/KID.0000662020>
9. **Singh P**, Bentall AJ, Langstraat CL, Swanson AA, Deziel PJ, Huang Y, Razonable RR. A rare manifestation of CMV disease in a kidney transplant recipient. *Transpl Infect Dis*. 2020 Nov 25; e13527 [Epub ahead of print] PMID: 33237608 DOI: 10.1111/tid.13527
10. **Singh P**, Razonable RR, Lorenz EC, DiCaudo DJ, Sukov WR, Bridges AG, Alkhateeb HB, Hogan WJ, Klomjit N, Thirunavukkarasu S, Amer H, Kudva YC, Khamash H, Stegall M, Kukla A. Chronic graft-versus-host disease in pancreas after kidney transplant recipients - An unrecognized entity. *Am J Transplant*. 2021 Feb; 21 (2):883-888 Epub 2020 Sept 20 PMID: 32805087 PMCID: 7870559 DOI: 10.1111/ajt.16273
11. **Singh P**, Viehman JK, Mehta RA, Cogal AG, Hasadsri L, Oglesbee D, Olson JB, Seide BM, Sas DJ, Harris PC, Lieske JC, Milliner DS. Clinical characterization of primary hyperoxaluria type 3 in comparison to types 1 and 2: a retrospective cohort study. *Nephrol Dial Transplant*. 2021 Feb 5 Epub 2021 Feb 05 PMID: 33543760 DOI: 10.1093/ndt/gfab027
12. Sy-Go JPT, **Singh P**, Gregoire JR. A tale of 100 kidney stones. *Kidney Int*. 2021 Jun; 99 (6):1502 PMID: 34023032 DOI: 10.1016/j.kint.2020.09.012
13. **Singh P**, Miao J, Schwartz GL. Rather Unusual Cause of Seizures. *Am J Med*. 2021 Jun; 134 (6):e380-e381 Epub 2021 Jan 14 PMID: 33359777 DOI: 10.1016/j.amjmed.2020.11.015
14. **Singh P**, Wang M, Prince S, Tang Y, Zhong X, Chen S, Li G, Wang L, Wang W. Macroscopic hematuria in wasp sting patients: a retrospective study. *Ren Fail*. 2021 Dec; 43 (1):500-509 PMID: 33706645 PMCID: 7971319 DOI: 10.1080/0886022X.2021.1896547
15. Sara J DS, **Singh P**, Albright RC. Controversies in cardio-nephrology: contrast nephropathy. *Int Urol Nephrol*. 2021 June 15. doi: 10.1007/s11255-021-02925-4 PMID: 34131857
16. Cullen GD, **Singh P**, Gregoire JS. Inguinoscrotal herniation of the bladder: A rare case of obstructive uropathy. *Urol Case Rep*. 2021 Jun 11;39:101751. doi: 10.1016/j.eucr.2021.101751. PMID: 34195004 PMCID: PMC8233125
17. **Singh P**, Granberg CF, Harris PC, Lieske JC, Licht JH, Weiss A, Milliner DS. Primary Hyperoxaluria Type 3 Can Also Result in Kidney Failure: A Case Report *Am J Kidney Dis*. 2021 Jul 7;S0272-6386(21)00705-8. doi:

10.1053/j.ajkd.2021.05.016 PMID: 34245816

18. **Singh P**, Harris PC, Sas DJ, Lieske JC. The genetics of kidney stone disease and nephrocalcinosis *Nat Rev Nephrol.* 2021 Dec 14. doi:10.1038/s41581-021-00513-4. PMID: 34907378
1. **Singh P**, Vaughan LE, Schulte PJ, Sas DJ, Milliner DS, Lieske JC. Estimated GFR Slope Across CKD Stages in Primary Hyperoxaluria Type 1 *Am. J Kidney Dis.* 2022 Mar 16;S0272-6386(22)00531-5. PMID: 35306035

#### **Book Chapters**

1. **Singh P**. Pathophysiology and Manifestations of Kidney Disease. In: Richard Urman, Alan Kaye, editor(s). *Cambridge Handbook of Anesthesiology.* 2020.

#### **Editorials**

1. **Singh P**, Luo, Xunrong. Research Highlights Transplantation. 2021.

**Abstracts**

1. **Singh Prince**, Haley William, Bergstralh Eric, Krambeck Amy, Lieske John, Rule Andrew. Comparison of chronic kidney disease markers between incident symptomatic stone formers and controls Journal of American Society of Nephrology. 2014; Abstract no. SA-PO074.
2. **Singh Prince**, Brown Sherry-Ann, Bower Thomas, Norby Suzanne. Renovascular hypertension due to an unusual cause of renal artery external compression Journal of American Society of nephrology. 2014; Abstract no. SA-PO621.
3. **Singh Prince**, Bergstralh Eric, Knoedler John, Krambeck Amy, Haley William, Lieske John, Rule Andrew. Risk of clinical care for a kidney stone event increases with number of prior stone events: A Rochester Epidemiology Project Study Journal of American Society of nephrology. 2014; Abstract no. SA-PO073.
4. Denic A, Chakkera HA, Poggio ED, **Singh P**, Park W, Alexander MP, Kremers WK, Rule AD. Number of glomeruli estimated from renal biopsy and CT scan of living donors Journal of the American Society of Nephrology. 2014;25:68A. Abstract no.FR-OR093.
5. Denic A, Elsherbiny H, Kaushik V, **Singh P**, Jayachandran M, Alexander MP, Lieske JC, Rule AD. Urine Monocyte Chemoattractant Protein-1 (MCP-1) Associates with Interstitial Fibrosis on Implantation Biopsies of Living Kidney Donors Journal of the American Society of Nephrology. 2014;25:742A. Abstract no.SA-PO473.
6. **Singh Prince**, Viehman Jason, Mehta Ramila, Hasadsri Linda, Cogal Andrea, Sas David, Harris Peter, Lieske John, Milliner Dawn. Phenotypic Expression of Primary Hyperoxaluria: Comparative Features of Types 1, 2, and 3 Journal of the American Society of nephrolog14. 2019; Abstract no. SA-PO413.
7. **Singh Prince**, Hasadsri Linda, Mehta Ramila, Cogal Andrea, Hopp Katharina, Harris Peter, Lieske John, Milliner Dawn. Clinical and biochemical features in Primary Hyperoxaluria Type 3 Journal of American Society of nephrology. 2020; Abstract no. TH-PO311.
8. **Singh P**, Kukla A. Chronic Graft vs. Host Disease in Pancreas After Kidney Transplant Recipient: An Unrecognized Entity Journal of American Society of Nephrology. 2020; Abstract no. PO2428.
9. Sy-Go JP, Said S, Miao J, Potretzke T, **Singh P**, Neal R, Harris PC, Torres VE, Nasr SH, Chebib FT. Cystic Kidney Disease in Patients with Thin Basement Membrane Disease (TBMD) Journal of American Society of Nephrology. 2020; Abstract no. PO1529.
10. **Singh P**, Erickson SB, Sy-Go JP, Gregoire JR. Type 3 Renal Tubular Acidosis in Association with a Pelvic Kidney Journal of American Society of Nephrology. 2020; Abstract no. PO0413.
11. **Singh P**, Vaughan LE, Schulte PJ, Milliner DS, Lieske JC. CHANGE IN eGFR BY CKD STAGE IN PRIMARY HYPEROXALURIA TYPE 1 Kidney International Supplements. 2021; Abstract no. WCN21-0403.
12. **Singh P**, Harris PC, Lieske JC, Milliner DS. Primary Hyperoxaluria Type 3 can also result in End Stage Kidney Disease National Kidney Foundation- American Journal of Kidney Disease. 2021.
13. **Singh P**, Bentall A, Langstraat CL, Swanson AA, Deziel PJ, Huang Y, Razonable RR. An Unusual Viral Tropism in a Solid Organ Transplant Recipient American Transplant Congress/American Journal of Transplantation. 2021; Abstract no. 2486.