

Department of Nephrology

Faculty:

S.No.	Name	Designation
1	Dr. Sanjay Vikrant	Professor & Head
2	Dr. Ajay Jaryal	Associate Professor

About the Department: The department of Nephrology started at the AIIMS Bilaspur with joining of faculty on November 21, 2020.

Patient care Services: Routine and emergency care for kidney patients as out-patient and in-patient basis. Dialysis Unit was made operational with inauguration of the AIIMS Bilaspur by the Hon'ble PM Shri Narendra Modi on October 05, 2022. Nephrology OPD held three days a week. Vascular access procedures placement of temporary and tunneled hemodialysis catheters, arteriovenous fistulas and kidney biopsy are performed. Kidney transplantation will be started shortly.

Department has 15 bed indoor, 4 bed HDU and 15 bed Dialysis Unit. HD Machines 05, HDF Machines 03, CRRT Machines 02, Portable Ultrasound Doppler 02, Ventilator 02.

Clinical work till December 2023

Total OPD: 5333
Total IPD: 450
Hemodialysis: 1500
SLED: 74
SCUF: 58
CRRT: Nil
Plasmapheresis: 10
Peritoneal Dialysis: 48
Tunneled HD line insertion: 45
Temporary line insertion: 450
AV Fistula: 75
Kidney biopsy: 80

Teaching and Training:

Undergraduate Teaching: Teaching of MBBS in Nephrology and Dialysis as per UG curriculum

Post graduate Teaching: Rotational training in Nephrology of postgraduate students of Medicine, Paediatrics, and Pathology.

Postdoctoral DM (Nephrology) training program will be started from January 2024.

Course for paramedical sciences: B.Sc. Dialysis Therapy Technology course with annual intake of five students was started in November 2022.

Research: Areas of research: Tropical AKI, CKD, Glomerulonephritis and Vasculitis, Renal stone disease, ADPKD, Hypertension, Diabetic Kidney Disease, Electrolyte and acid-base disorders, Critical Care Nephrology, Peritoneal dialysis, Hemodialysis, Kidney Transplantation, and High-Altitude Medicine

Community outreach:

World Kidney 2022 Celebration by Department of Nephrology & Society for Kidney Care on March 10, 2022 to create CKD awareness in healthcare staff and patients.

Publications ((PubMed Indexed):

1. Jaryal A, Vikrant S, Gupta D. Epidemiology and outcomes of dialysis requiring acute kidney injury: A single-center study. *Ther Apher Dial.* 2022 Jun;26(3):594-600.
2. Jaryal A, Vikrant S. Anti-glomerular basement membrane disease: Treatment outcome of cyclophosphamide vs. rituximab induction therapy regimen. *Clin Nephrol.* 2022 Dec;98(6):280-287.
3. Jaryal A, Vikrant S. Anti-glomerular basement membrane disease in a patient with Type 2 diabetic mellitus: Long-term remission of the two after immunomodulatory therapy. *Ther Apher Dial.* 2022 Oct;26(5):1047-1048.
4. Prasad N, Yadav AK, Kundu M, Jaryal A, Sircar D, Modi G, Sahay M, Gopalakrishnan N, Vikrant S, Varughese S, Baid-Agrawal S, Singh S, Gang S, Parameswaran S, Ghosh A, Kumar V, Jha V. Renin-angiotensin blocker use is associated with improved cardiovascular mortality in Indian patients with mild-moderate chronic kidney disease- findings from the ICKD study. *Front Med (Lausanne).* 2022 Dec 20;9:1060148.
5. Jaryal A, Vikrant S. Coronavirus Disease 2019 and the Kidney. *Saudi J Kidney Dis Transpl.* 2021 Sep-Oct;32(5):1220-1234.

Papers Presented:

ISN Frontiers Meeting of the International Society of Nephrology on "Infections and the Kidneys", and the Indian Society of Nephrology held September 22-25, 2022, New Delhi India

1. Vikrant S, Jaryal A. POS-128 Infection-related glomerulonephritis due to scrub typhus: A report of two cases. *Kidney International Reports* 7(9):S524-S525
2. Vikrant S, Jaryal A. POS-042 Clinicopathological spectrum and outcome of infection-related kidney disease: A single centre study from India. *Kidney International Reports* 7(9):S482-S483

Research Projects:

Ongoing:

1. Pesticide exposure and chronic kidney disease of undetermined etiology (CKDu) among people living on agriculture in the State of Himachal Pradesh funded by HP Council of Science, Technology & Environment.
2. Allopurinol for CVD in CKD (AvoiD-CKD): A double blind, randomized controlled trial, a multi centric trial funded by DBT-Wellcome Trust India Alliance Multicentric project.
3. Indian TrANslational Glomerulonephrltis BioLogY nEtwork (I-TANGIBLE): A multicentric study funded by ICMR.