



Government of West Bengal
Institute of Postgraduate Medical Education & Research
Centre of Excellence in Medical Education & Research

Urology

FACULTY

Prof. Debansu Sarkar	MCh (Urology)	Professor and HOD
Dr. Krishnendu Maiti	MCh (Urology)	Associate professor
Dr. Soumya Mondal	MCh (Urology)	Associate professor
Dr. Souvik Chatterjee	MCh (Urology)	Assistant professor
Dr. Naveen Kumar Gupta	MCh (Urology)	Assistant professor
Dr. Kumar Rajiv Ranjan	MCh (Urology)	RMO cum Clinical Tutor

Senior Residents

Dr. Bikram Halder	MCh (Urology)	Senior Resident
Dr. Vishal Jalan	MCh (Urology)	Senior Resident

Postdoctoral Trainees (MCh)

2021-2024	2020-2023
<ol style="list-style-type: none">1. Dr. Indra Prakash Mandal2. Dr. Neeraj Agarwal3. Dr. Noushim Akram Huda4. Dr. Badre Alam Khan5. Dr. Pankaj Kanti Dey6. Dr. Praveen Kumar Soni7. Dr. Chandranshu Tripathi8. Dr. Kani Dayal Khare9. Dr. Dineshwar Pratap Singh	<ol style="list-style-type: none">1. Dr. Subhajit Malakar2. Dr. Anshu Kumar3. Dr. Partha Pratim Sinha Roy4. Dr. Swadeep Kumar Srivastava5. Dr. Md. Taquedis Noori6. Dr. Tadha Ajaykumar Dhirubhai7. Dr. Shantanu Gaur8. Dr. Vaibhav Kant Baderiya9. Dr. Mrinal Tandon10. Dr. Kamble Vaibhav Balu

TRANSFERS, POSTINGS AND SUPERANNUATIONS

- Dr. Sunirmal Choudhury, Associate Professor, was transferred to Medical College, Kolkata on 14.09.2022 with promotion to the post of Professor.
- Dr. Sandeep Gupta, Associate Professor, was transferred to Burdwan Medical College on 19.09.2022 with promotion to the post of Professor.

FACULTY NEWS AND ACADEMIC ACHIEVEMENTS

WORKSHOPS/EVENTS CONDUCTED BY THE DEPARTMENT:

- Urological Society of India Mock Exam on 17th September, 2022.
- NBEMS DNB(Urology) practical/viva voce exam on 16th and 17th November, 2022.

WORKSHOPS AND CONFERENCES ATTENDED:

- Prof. (Dr.) Dilip Kumar Pal and Dr. Soumya Mondal attended EZ-USICON 2022 held in Rajgir in October, 2022.

- Dr. Krishnendu Maiti attended Kidney Transplant Conference KTCO held in Aurangabad in November, 2022.

AWARDS WON IN CONFERENCES AND CMES:

- Dr. Vaibhav Kant Baderiya : EZUSICON 2022 – 2nd prize for best essay
- Dr. Anshu Kumar: 1st prize in podium presentation in foundation day of IPGME&R.
- Dr. Subhajit Malakar : 3rd prize in podium presentation in foundation day of IPGME&R.

REGULAR ACADEMIC ACTIVITIES:

Time: Morning (9 AM to 10 AM)

Tuesday: Seminar Thursday: Journal club Saturday: Case presentation

PROJECTS

Title of Project	Funding Agency	Duration	Status
Functional interplay of different mutations/polymorphs of MGO and SPP1 genes in the development of kidney stone disease.	Technically approved by ICMR	April 17-May 20	Ongoing
Towards identifying the unique molecular signature of complex genetic diseases in India for precision medicine From Presidency University: Microbiome and epigenomic signature associated with the development of urogenital cancers	Dept. of Science & Technology, Govt. of India (Applied under special scheme- Proposal for establishment of Bioinformatics and Computational Biology Centers in India)		Under review
Identification of Microbiome signature and its potential impact on Epigenomic changes associated with the development of prostate cancer in Eastern Indian patients	Dept of Science and Technology & Biotechnology, Govt of West Bengal		Approved for one year (pilot project)
Development of lectin nanobiosensor for early detection of urinary bladder cancer by noninvasive approach	Innovation and Translation Division of ICMR		Approved by Innovation and Translation Division of ICMR on 04.03.20
Role of Immune Signature in Redcurrent Urinary Bladder Carcinoma	Medical Research Unit, IPGME&R		Approved by Medical Research Unit of IPGME&R
Prognostic significance of Gene Expression Signature in VHL Positive and Negative Clear Cell Renal Cell Carcinoma Patients	ICMR		Applied for approval

Thesis projects

2021-2024	2020-2023
Dr. Pankaj Kanti Dey: Change in renal volume post PCNL based on ultrasonography and its correlation with GFR	Dr. Partha Pratim Sinha Roy: Urodynamic evaluation of lower urinary tract function both pre and post transplant and its relevance in bladder management
Dr. Kani Dayal Khare: Analysis of potential role of SMAD4 as diagnostic and prognostic biomarker in urinary bladder cancer	Dr. Subhajit Malakar : Genetic variants in mTOR pathway with renal cancer risk and subtypes in East Indian population
Dr. Praveen Kumar Soni: Is oral antioxidant (Vit C & E) helpful in minimizing shock wave induced renal damage? A study from a tertiary care Centre from eastern India- A Prospective study	Dr. Mrinal Tandon : Role of multiparametric MRI in predicting muscle invasiveness in urinary bladder neoplasms with pathological correlations
Dr. Neeraj Agarwal: An observational study to evaluate the role of ADC ratio in Multiparametric MRI in clinically significant prostate cancer	Dr. Vaibhav Kant Baderiya : Comparative study between role of octreotide and instillation of betadine in the treatment of lymphorrhea in renal transplantation
Dr. Noushim Akram Huda: Investigating the clinical significance of E2F5 expression and circulating extracellular vesicles in prostate carcinoma - A prospective Study	Dr. Shantanu Gaur : Transcutaneous posterior tibial nerve stimulation in the management of medically intolerable or contraindicated and refractory overactive bladder
Dr. Dineshwar Pratap Singh: Assessment of plasma Cystatin C as a marker of acute renal injury in patients undergoing Extracorporeal Shock Wave Lithotripsy for renal stone disease	Dr. Kamble Vaibhav Balu : Comparative analysis of standard, tubeless and total tubeless percutaneous nephrolithotomy: a prospective study
Dr. Indra Prakash Mandal: A prospective comparative study between the different types of transrectal and transperineal nerve blockade techniques for analgesia during ultrasound guided prostate biopsy	Dr. Swadeep Kumar Srivastava : Transurethral dorsal buccal mucosal graft inlay urethroplasty for reconstruction of meatal stenosis, fossa navicularis and distal penile urethral stricture: a new surgical technique and study of its results

Dr. Badre Alam Khan: Study of different methods of follow up and their effectiveness in predicting urinary drainage post pyeloplasty	Dr. Tadha Ajaykumar Dhirubai : A Prospective, Randomized Study Comparing the Outcome after Thulium Laser Enucleation of the Prostate (ThuLEP) with Conventional Monopolar TURP for the Treatment of Symptomatic Benign Prostatic Obstruction
Dr. Chandranshu Tripathi: An approach to identify the potential association of ATRNL1 with disease progression and prognosis in prostate cancer	Dr. Anshu Kumar : Identification of the hub genes and the pathways in Renal Cell Carcinoma (RCC) by co-expression analysis
	Dr. Md. Taquedis Noori : Expression analysis of Noncoding RNAs in Prostate Cancer, Association with Progression and Prognosis

PUBLICATIONS FROM UROLOGY DEPARTMENT (FROM DEC 2021 TO NOV 2022)

1. Sandeep Gupta, Abhisek Dutta, Dilip Kumar Pal. Comparasion of intravesical adjuvant therapy in bladder cancer with two different maintenance regimens of mitomycin and BCG. Urologia 2022,89(1): 53-57. DOI:10.1177/ 03915603211050783
2. Arindam Chatterjee, Kunal Sarkar, Sarbashri Bank, Siddharth Saraf, DhansagarWakle, Dilip Kumar Pal., SantanuChakrabortty, Sudhakrishna Ghosh, Biswabandhu Bankura, Das. Whole genome sequencingurinary tract (WES) identifies HomZygous mutation in g.37429732G>A in GHRPR gene is responsible for early onset of nephrolithiasis in the population of West Bengal, India. medRxiv
3. Sunirmal Choudhury, Bikram Haldar, Dilip Kumar Pal. Spectrum of lower urinary tract symptoms after renal transplant among adult non-urologic anuric patients and their management in a tertiary care centre. Urologia2022,1-5.DOI: 10.1177/03915603211048150.
4. Sandeep Gupta, EsshanshKhare, Dilip Kumar Pal. Laparoscopic pyeloplasty in paediatric age group with standard adult sized laparoscopic instruments. JCDR 2022 Feb, 16(2): PR01-PR02. DOI: 10.7860/JCDR/2022/50316.15921
5. Pal D K, Kumar A, Sarkar D. A Comperative study of the efficacy of silodosine versus tamsulosin versus oral hydration therapy I medical expulsion therapy for ureteral calculi. Urol Sci 2022;33: 19-25 DOI: 10.4103UROS.UROS_16_21
6. Sunirmal Choudhury, Atar Kasim, Dilip Kumar Pal. Supine PCNL in autosomal dominant polycystic kidney disease. Urologia:2022,1-7. DOI: 10.1177/03915603221091082
7. Debansu Sarkar, Dhansagar Wakle, Dilip Kumar Pal. Efficacy of supine trans-abdominal pronated shock wave head ESWL for treatment of distal ureteric stones: A pilot study.2022. DOI: <http://doi.org/1177/03915603221091080>
8. DhansagarUttamraoWakle, KrishnenduMaity, Dilip Kumar Pal. Ureteral entanglement in ring inferior venecava- A rare presentation JCDR 2021 NovDOI:10.7860/JCDR/2021/48162:15755.
9. Sunirmal Choudhury, Ankit Sandhu, Dilip Kumar Pal. Crossed fused renal ectopia: Varied presentation, diagnostic challenges and management. IJSR 2022 April 11(4):1324-1327. DOI:10.21275/SR22427203453
10. Sunirmal Choudhury, Eashans Khare, Dilip Kumar Pal. Acellular tissue engineered pericardial patch urethroplasty: A new horizon in substitution urethroplasty. Turk J Urol 2022; 48(3): 222-228. DOI: 10.5152/tud.2022.22018.
11. Naveen Kumar Gupta, Santanu Gour, Dilip Kumar Pal. Role of Videourodynamics in the identification of causes of lower urinary tract symptoms and low uroflow in young men. Urology Annals 2022 , DOI: 10.4103/ua_79_22
12. Sandeep Gupta, Eeshans Khare, Dilip Kumar Pal. An unusual presentation of urethral stricture as priapism. Int J Sci Res 2022;10(09), September:10-11. DOI: 10.36106.ijsr
13. Sunirmal Choudhury< Kasim Atar, Dilip Kumar Pal. Association between urodynamic and cystoscopic findings in woman with bothersome lower urinary tract symptoms: A prospective observational study JCDR2022;Jun,16(6):PC09-12. DOI:10.7860/JCDR?2022/56091.16518
14. Pal DK, Choudhury AR, Verma A, Jana D. Factors influencing survival outcome in deceased renal transplant recipients: A single centre study. Indian J Transplant 2022; 16: 161-65. DOI: 10.4103/ijot.ijot_18_21
15. Purandar Sarkar, Samaresh Malik, Anwesha Banerjee, Chhanda Datta, Dilip Kumar Pal, Amlan Ghosh, Abhik Saha. Differential Microbial Signature Associated with Benign Prostatic Hyperplasia and prostate cancer, Frontiers in Celluler and Infection Microbiology 2022 July;12;1-13. DOI;10.3389/fcimb.2022.894777.

16. Bhattacharya S, Kumar A, Chatterjee U, Pal DK. Adrenal schwannoma: An uncommon incidentaloma. *Indian J pathol microbiol* 2021;64:479-81
17. Mitra P, Pal D K, Das M. Variant of CALCR gene (rs2301680) associated with the risk of calcium urolithiasis: A preliminary study. *Ann Med Sci Res* 2022;1:5-9. DOI: 10.4103/amsr.amsr_2_22
18. Pal D K, Sengupta A. Launching of a new platform of academic disclosure. *Ann Med Sci Res* 2022;1:3-4. DOI:10.4103/amsr.amsr_4_22
19. Soumya Mondal, Eeshans Khare, Dilip Kumar Pal. Effect of tamsulosin and URSL on renal function and stone free rate in unilateral solitary ureteric stone: A prospective interventional study. *JCDR* 2022 Aug 16(8):PC08-PC11. DOI: 10.7860/JCDR/2022/53369.16751
20. Anand Abhisek, Debansu Sarkar, Dilip Kumar Pal. Expression of HER2/NEU in newly diagnosed metastatic carcinoma prostate on TRUS biopsy specimen and its clinical correlation and progression. *Urologia* 2022, 1-4: DOI: 10.1177/03322114612915603221118471
21. Soumya Mondal, Partho Pratim Sinharoy, Dilip Kumar Pal. Sexual well being and fertility in male renal transplant recipients: A study in a tertiary care centre, *Urologia* 2022, 1-5: DOI: 10.1177/03915603221114612
22. Debansu Sarkar, Dhansagar U Wakle, Dilip Kumar Pal. Efficacy of supine transabdominal pronated shock head ESWL for treatment of distal ureteric stones: A pilot study, *Urologia* 2022; 1-7: DOI: 10.1177/03915603221091080
23. Mondal S, Noori MT, Pal DK. Sexual dysfunction in female patients of reproductive age group with recurrent urinary tract infection - a cross sectional study. *Am J Obstet Gynecol Glob Rep* 2022 <http://dx.doi.org/10.1016/j.xagr.2022.100083>
24. Gupta P, Banerjee A, Ghosh A, Pal D K. Expression analysis of leptin receptor in prostate cancer and its association with clinicopathological parameters: A case-control study. *Ann Med Sci Res* 2022;1: 54-58 DOI: 10.4103/amsr.amsr_5_22
25. Mondal S, Khare E, Pal D K. Metabolic syndrome and bladder carcinoma- A cross sectional study. *Ann Med Sci Res* 2022;1: 69-73 DOI: 10.4103/amsr.amsr_8_22
26. Pal D K, Kamble V. Electric wire as an aid for masturbation: Report of a case with review of literature. *Ann Med Sci Res* 2022;1 : 97-98. DOI: 10.4103/amsr.amsr_27_22
27. Piyush Gupta, Soumya Mondal, Chanda Dutta, Dilip Kumar Pal. Bilateral giant adrenal myolipoma: A rare scenario. *Indian J Pathol Microbiol* 2022;65:689-91. DOI: 115.97.206.163
28. Naveen Kumar Gupta, Shantanu Gaur, Dilip Kumar Pal. Role of videourodynamics in the identification of causes of lower urinary tract symptoms and low uroflow in young men. *Urol Ann* 2022 DOI: 10.4103/ua.ua_79_22
29. Sunirmal Choudhury, Md. Taquedis Noori, Dilip Kumar Pal. Paradigm shift in the management of pseudoaneurysm following nephrolithotomy. *JCDR* 2022, Oct, 16(10)PR01-PR03 DOI: 10.7860/JCDR/2022/57828.17067
30. Sarkar D, Jain P, Gupta P, Pal D K, Correlation of digital rectal examination and serum prostate-specific antigen levels for detection of prostate cancer: Retrospective analysis results from a tertiary care urology centre. *J Cancer Res Ther* 2022;18: 1646-50.
31. Kasim Moinuddin Atar, Krishnendu Maity, Dilip Kumar Pal. Ideal timing of prostate operation in chronic urinary retention due to benign prostatic hyperplasia by serial urodynamic study: A prospective longitudinal study. *JCDR*, 2022 Nov;16(11):PC11-PC16.
32. Mukta Basu, Debolina Mukhopadhyay, Balarko Chakraborty, Sabnam Ghosh, Dilip Kumar Pal, Amlan Ghosh, Chinmay Kumar Panda. Differential operation of MLH1/MSH2 and FANCD2 crosstalk in cghemotolerant bladder carcinoma: A clinical and therapeutic intervening study. *Molecular and Cellular Biochemistry* Nov 2022, DOI: <https://doi.org/10.1007/s11010-022-04616-9>
33. Gupta P, Banerjee K, Ghosh A, Pal DK. Assessment of deoxyribonucleic acid damage in exfoliated bladder cells and its prognostic implication in urinary bladder cancer. *Ann Med Sci Res* 2022;1:136-140.
34. Saterday R, Yadav R, Das M, Pal DK. Analysis of expression pattern of proteins associated with AKT/mTOR signalling pathway in kidney cancer development. *Ann Med Sci Res* 2022; 1: 116-120.
35. Ravi Prakash Yadav, Srilagna Chatterjee, Arindam Chatterjee, Dilip Kumar Pal, Sudhakrishna Ghosh, Krishnendu Acharya, Madhusudan Das. Identification of novel mycocompounds as inhibitors of P13K/AKT/mTOR pathway against RCC. *Journal of Receptor and Signal Transduction*. Published online on 20 Sept 2022. <https://doi.org/10.1080/10799893.2022.2123515>

36. Sunirmal Choudhury, Kasim Atar, Dilip Kumar Pal. Surgical outcome of supine PCN Lin Spinal Deformity patients A tertiary care hospital hospital experience. Urologia 2022.online published on September 2022. DOI: [https:// doi;org.10.1177/03915603221127090](https://doi.org/10.1177/03915603221127090)
37. Dhansagar U Wakle, Sunirmal Choudhury, Sumit Chakraborty. Amrita Ganguly, Dilip Kumar Pal. Evaluation of renal space occupying lesions with multiparametric MRI and its correlation with histopathology findings An Observational Study.Urologia Online published on October 31 2022.
[Http://doi.org./10.1177/03915603221131733](http://doi.org./10.1177/03915603221131733)

SERVICE INFORMATION (01/12/2021 to 30/11/2022):

OPD attendance: 5091

Bed distribution

Male	Female & Child	Recovery room for renal transplant patients (HDU)
45	21	4

Admissions in the urology ward

Male	Female
922	541

Woodburn admissions 96

Procedures done

Renal transplantation

Tuesday is the day for our renal transplantation, and we perform average one transplant weekly with the help of the Nephrology and CTVS department

- Total number of live related renal transplants (01/12/2021 - 30/11/2022) 31
- Total no of cadaveric renal transplants (01/12/2021 - 30/11/2022) 11

- Major operations Total: 1616
- Minor operations Total: 3151
- Emergency OT Total: 12
- Minor OPD procedures Total: 12720

USG guided procedures

- TRUS guided prostate biopsy 240
- USG guided PCN 525
- Uroflowmetry 5334
- Urodynamic studies 945

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