



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

Urology

FACULTY

Prof. Dilip Kumar Pal	MCh (Urology)	Professor and Head
Prof. Debansu Sarkar	MCh (Urology)	Professor
Dr. Sunirmal Chowdhury	MCh (Urology)	Associate Professor
Dr. Sandeep Gupta	MCh (Urology)	Associate Professor
Dr. Krishnendu Maiti	MCh (Urology)	Associate Professor
Dr. Soumya Mondal	MCh (Urology)	Assistant 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
Dr. Arup Mohanta	MS (General Surgery)	Tutor

Postdoctoral (MCh) Trainees

2020-2023	2019-2022	2018-2021
1. Dr. Subhajit Malakar	1. Dr. Vishal Jalan	1. Dr. Amvrin Chatterjee
2. Dr. Anshu Kumar	2. Dr. Ritesh Satardey	2. Dr. Avisek Dutta
3. Dr. Partha Pratim Sinha Roy	3. Dr. Piyush	3. Dr. Kundan Kumar
4. Dr. Swadeep Kumar Srivastava	4. Dr. Ashutosh Tiwari	4. Dr. Anand Abhishek
5. Dr. Md. Taquedis Noori	5. Dr. Eeshansh Khare	5. Dr. Ankit Kumar
6. Dr. Tadha Ajaykumar Dhirubai	6. Dr. Bikram Haldar	
7. Dr. Shantanu Gaur	7. Dr. Dhansagar Wakle	
8. Dr. Vaibhav Kant Baderiya	8. Dr. Ankit Sandhu	
9. Dr. Mrinal Tandon	9. Dr. Kasim Attar	
10. Dr. Kamble Vaibhav Balu	10. Dr. Ankit Verma	

TRANSFER, POSTING AND SUPERANNUATIONS

Dr. Rajkumar Singha Mahapatra, Assistant Professor, was transferred to Bankura Sammilani Medical College on 29.11.2021 due to Promotion to the post of Associate Professor.

FACULTY NEWS AND ACADEMIC ACHIEVEMENTS

WORKSHOPS CONDUCTED BY THE DEPARTMENT

- Online CME on 26.06.2021 "Medical management of Renal Stone Disease" which was moderated by Dr. Sandeep Gupta, and Prof.(Dr.) Dilip Kumar Pal chaired the CME. Dr. Ankit Sandhu, Dr. Dhansagar Wakle and Dr. Bikram Haldar were the speakers.
- Online CME on 31.07.2021 "Medical management of BPH" which was moderated by Dr. Souvik Chatterjee, and Prof. (Dr.) Dilip Kumar Pal chaired the CME. Dr. Ankit Verma, Dr. Ritesh Satardey and Dr. Vishal Jalan were the speakers.

- Online CME on 27.11.2021 "Ca Prostate" which was moderated by Dr. Debansu Sarkar, and Prof.(Dr.) Dilip Kumar Pal chaired the CME. Dr. Atar Kasim Mohinoddin, Dr. Ashutosh Kumar Tiwari and Dr. Piyush Gupta were the speakers.

WORKSHOPS AND CONFERENCES ATTENDED

All faculty members attended USI East Zone held in Kolkata.

AWARDS WON IN CONFERENCES AND CMES:

- Dr. Ashutosh Tiwari : EZUSICON 2020 - Best essay award
EZUSICON 2021 - Best essay award
EZUSICON 2021 - 2nd position in Uro Quiz
- Dr. Subhajit Malakar : 1st prize in poster in EZ USICON 2021
- Dr. Partha Pratim Sinha Roy : 2nd prize in poster in Buscon 2021
- Dr Piyush : 1st prize in paper presentation on 65th annual day of SSKM 2021

REGULAR ACADEMIC ACTIVITIES

Time: Morning (9 AM to 10 AM)

Tuesday: Seminar Thursday: Journal club Saturday: Case presentation

PROJECTS

Title	Funding agency	Present status
Functional interplay of different mutations/polymorphs of MGO and SPP1 genes in the development of kidney stone disease.	Technically approved by ICMR	Ongoing
Identification of candidate gene associated with high risk HPV infected prostate cancer of Indian patients	Dept. of Biotechnology, Govt. of India	Applied for approval
Altered genetic spectrum and functionality of calcium homeostasis and calcification regulating genes mediated kidney stone formation	Dept. of Biotechnology, Govt. of India	Applied for approval
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 red current urinary bladder carcinoma.	Multidisciplinary Research Unit (MRU), IPGME&R	Approved
Prognostic significance of Gene Expression Signature in VHL Positive and Negative Clear Cell Renal Cell Carcinoma Patients	ICMR	Applied for approval

THESIS TOPICS

2020-2023	2019-2022	2018-2021
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Dr. Partha Pratim Sinha Roy: Urodynamic evaluation of lower urinary tract function both pre- and post-transplant and its relevance in bladder management.	Dr. Piyush: Assessment of DNA damage in Exfoliated Bladder cells and its Prognostic Implication in Urinary Bladder cancer Patients from West Bengal.	Dr. Avisek Dutta: KIBRA promoter methylation status in renal cell cancer and correlation with stage, grade, histopathology and prognosis.
Dr. Subhajit Malakar: Genetic variants in mTOR pathway with renal cancer risk and subtypes in East Indian population.	Dr. Bikram Halder: A prospective comparative evaluation of stone free rate and complications in percutaneous nephrolithotomy utilizing the different pre-operative stone scoring systems.	Dr. Anand Abhishek: Her2/Neu as a prognostic marker in carcinoma prostate.
Dr. Mrinal Tandon: Role of multiparametric MRI in predicting muscle invasiveness in urinary bladder neoplasms with pathological correlations.	Dr. Ritesh Satardey: Analysis of expression of protein associated with AKT/ m-TOR signaling pathway in Kidney Cancer Development.	Dr. Amvrin Chatterjee: Prognostic significance of HIF α and its regulator genes (Lim D1, VHL) in bladder carcinoma among Indian patients.
Dr. Vaibhav Kant Baderiya: Comparative study between role of octreotide and instillation of betadine in the treatment of lymphorrhea in renal transplantation.	Dr. Vishal Jalan: Screening of VHL mutation in different types of Kidney cancer patients of west Bengal.	Dr. Kundan Kumar: Oxidative stress in pathogenesis of chronic prostatitis in a patient population from Eastern India; a case control study.
Dr. Shantanu Gaur: Transcutaneous posterior tibial nerve stimulation in the management of medically intolerable or contraindicated and refractory overactive bladder.	Dr. Eeshansh Khare: A prospective observational study to know the origin of lymphorrhea in post renal transplant patients using CPK and LDH .	Dr. Ankit Kumar: Outcome of tamsulosin vs silodosin in upper, mid and lower ureteric calculi.
Dr. Kamble Vaibhav Balu: Comparative analysis of standard, tubeless and total tubeless percutaneous nephrolithotomy: a prospective study.	Dr. Wakle Dhansagar Uttamrao:- An observational study to evaluate role of multiparametric MRI in characterizing Renal SOL and its correlation with post operative histopathology findings.	
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. Ankit Sandhu:- Sonographic assessment of renal volume and estimated glomerular filtration rate in chronic kidney disease patients.	
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. Ankit Verma:- Factors influencing graft survival in a deceased renal transplant recipient.	
Dr. Anshu Kumar: Identification of the hub genes and the pathways in Renal Cell Carcinoma (RCC) by co-expression analysis.	Dr. Atar Kasim: Ideal timing of operation in male non-neurogenic LUTS presented with chronic urinary retention by serial units.	
Dr. Md. Taquedis Noori: Expression analysis of noncoding RNAs in prostate cancer: association with progression and prognosis.	Dr. Ashutosh: Comparative study of management of lower ureteric stone by ESWL and URSL.	

PUBLICATIONS FROM UROLOGY DEPARTMENT (FROM DEC 2020 TO NOV 2021)

1. Sarkar D, Haldar B, Pal D K, Transitional cell carcinoma in pelvis of a double moiety kidney- A rare presentation. JCDR 2020 Dec Vol 14(12) PD 06-PD07.
2. Pal DK, Roy P, Chatterjee A, Jana D. Mondal D. The role of povidone-iodine in prevention of lymphorrhea after kidney transplant surgery – a prospective, pilot study. Indian J Transplant 2020; 14 306-12.
3. Basu M, Chakraborty B, Ghosh S, Samadder S, Dutta S, Roy A, Pal D K, Ghosh A and Panda C K. Divergent molecular profile of PIK3CA gene in arsenic- associated bladder carcinoma. Mutagenesis 2020;35: 499-508,DOI: 10.1093/mutage/geaaa031
4. Sarkar D, Agarwal A, Pal D K, Clinical assessment of stabilization of renal function after nephrectomy. Urologia 202100(0) DOI: 10.1177/0391560320987799
5. Maity K, Halder B, Pal D K. Adolescent and adult hypospadias repair: A retrospective study. JCDR 2021; DOI: 10.7860/JCDR/2021/45890.14541
6. Ghosh S, Basu M, Banerjee K, Pal Choudhury S, Paul T, Bera D K, Pal D K, Sk U H, Panda CK, Ghosh A. Arsenic level in bladder tumor of patients from exposed population : association with progression and prognosis. Future Oncology 2021; 10.2217/fon-2020-0154
7. Larsen Y K, Grass S, Mody B, Upadhyay S, Trivedi H L, Pal D K, Babu S, Bawri B and Singh S K. Foley catheter with noble metal alloy coating for preventing catheter-associated urinary tract infections: a large, multi-centre clinical trial. Antimicrob Resist Infect Control 2021; 10:40. <http://doi.org/10.1186/s13756-021-00907-w>
8. Choudhury S, Datta A, Gupta N, Pal D K. Interposing layer of fibrin glue: A new horizon in vesico-vaginal fistula repair. Urologia 2021 00:0 DOI: 10.1177/03915603211004748
9. Gupta S, Chatterjee A, Pal D K. A comparative study of tadalafil & tamsulosin combination therapy versus alfuzosin monotherapy in sexually active patients of benign prostatic hyperplasia. IJSR2021;10(4)April: DOI: 36106/ijsr
10. Dilip Kumar Pal, Ausotosh Kumar Tiwari, Krishnendu Maity. Retrospective study on safety and efficacy of transperitoneal laparoscopic surgery for retrocaval ureter. JCDR2021 Apr, 15(4): PC31-PC33. DOI: 10.7860/JCDR/2021/46995.14803
11. Sandeep Gupta, Atar Kasim, Dilip Kumar Pal. Supine tubeless PCNL in horseshoe kidney (A series of cases). Urologia 2021; 1-5: DIO: 10.1177/03915603211015546
12. Kumar A, Pal U K, Pal D K. Are clinicians responsible for the development of antibiotic resistance at a tertiary health care hospital? A qualitative study from outlook of doctors. Indian J Community Med 2021;46: 336-37. DOI:10.4103/ijcm_286_20.
13. Mukta Basu, Amvrine Chatterjee, Balarko Chakraborty, Essa Chatterjee, Sabnam Ghosh, Sudip Samaddar, Dilip Kumar Pal. Anup Roy, Jayanta Chakraborty, Amlan Ghosh, Chinmoy Kumar Panda. High nuclear expression of HIF1alpha, synergizing with inactivation of LIMD 1 and VHL, portray worst prognosis among bladder cancer patients: association with arsenic prevalence. Journal of cancer research and clinical oncology. <http://doi.org/10.1007/s00432-021-03661-z>
14. Pubali Mitra, Dilip Kumar Pal. Madhusudan Das. Attenuation of CALCR protein expression in stone affected region of kidney biopsy tissue: case presentation. JCIMER 2021, Vol-2 Page 1-4.
15. Sunirmal Choudhury, Ankit Sandhu, Dilip Kumar Pal. Successful management of renal fusion anomaly of kidney with nephrolithiasis and urinary incontinence. JCDR 2021 Vol 15(6) PD01-02.
16. Sunirmal Choudhury, Asutosh Kumar Tiwari, Dilip Kumar Pal. A rare case of bilateral testicular torsion in inguinal canal. J. Pediatr Adolesc Surg 2021 DOI: <http://doi.org/10.46831/jpas.v1i2.73>
17. Roy P, Sarkar D, Jalan V, Pal D K. Comparative study of extracorporeal shock wave lithotripsy versus mini percutaneous nephrolithotomy for the treatment of non-lower calyceal 10-20 mm size kidney stone. Urol Sci2021; 32:83-88.
18. Sandeep Gupta, Ankit Verma, Dilip Kumar Pal. Tubeless supine percutaneous nephrolithotomy in calyceal diverticular stone. Journal of Clinical and diagnostic Research 2021 Aug,15(8) PR01-PR03.
19. Mondal S, Jalan V, Pal D K. Unusual self-inflicted foreign bodies in urethra. Indian J Case Reports 2021; 7(4):165-166. <https://manasapublishers.com/IJCR/article/view/2823/2322>
20. Jalan V, Mondal S, Maity K, Pal D K. Sacral agenesis –its urological impact with management. JCDR2021Jul; 15(7): PD03-PD05. DOI: 10.7860/JCDR/2021/49045.15165
21. Gupta S, Verma A, Pal D K. A comparative study between continuous and interrupted sutures in open pyeloplasty Urologia 2021 DOI: 10.1177/039156032110115109
22. Gupta S, Khare S, Pal D K. An unusual presentation of urethral stricture as priapism. International Journal of Scientific Research 2021, September;10(9): 1-2. DOI: 10_36106/ijsr
23. Das R, Singh A, Saha S, Saha S, Pal D K, Das U, Karmakar M. Diffusion weighted imaging on a 3 tesla magnetic resonance scanner as a diagnostic tool in early detection of prostate cancer. Int J Anatomy Radiology and Surgery 2021. DOI:10.7860/IJASR/2021/48949.2668

24. Chatterjee S, Jalan V, Pal D K. An observational study on the efficacy of mirabegron in medical expulsive therapy of the lower ureteric calculus. Urol Sci2021;32:132-36. DOI: 10.4103/UROS.UROS_19_21
25. Jaiswal A, Satardey R, Datta C, Panda C, Pal D K. Association of BRCA1 and BRCA2 genes in arsenic-induced urinary bladder carcinoma. Journal of Clinical Urology 2021, 1-5. DOI: 10.1177/20514158211051888
26. Bardhan A, Banerjee A, Basu K, Pal D K, Ghosh A. PRINCR1: Aa long non-coding RNA with a pivotal oncogenic role in cancer. Human Genetics <http://doi.org/10.1007/s00439-021-02396-8> published online :02 November 2021.
27. Maiti K, SinhaRoy P P, Pal DK. Xanthogranulomatous pyelonephritis-A diagnostic dilemma. JCDR DOI:10.7860/JCDR/2021/50550.15594 :2021,Nov.
28. Sarkar D, Sandhu A, Pal D K. Modified benign prostatic hyperplasia(BPH) specific quality of life sciences and IPSS in assessment of quality of life in lower urinary tract symptoms patients due to BPH. JCDR 2021, Oct DOI: 10.7860/JCDR/2021/48637.15564.
29. Choudhury S, Dutta A, Pal D K. Comparison of efficacy of tranexamic acid irrigation versus intravenous injection for preventing blood loss in percutaneous nephrolithotomy Journal of Clinical Urology, Dec 2021: 1-5 DOI:10.1177/20514158211059634.

PAPERS ACCEPTED FOR PUBLICATION

1. Dhansagar Wakle, Krishnendu Maity, Dilip Kumar Pal. Ureteral entanglement in ring IVC- A rare presentation. JCDR (n0-48162 dated 18.12.20) resubmitted on 21.02.2021.Accepted
2. Soumya Mondal, Abhisek Anand, Dilip Kumar Pal. A randomized clinical trial comparing outcome of stented versus nonstented URSL. Urological Sciences (UROS_17_21) Accepted on 22.04.2021
3. Ankit Kumar Singh. Dilip Kumar Pal. A comparative study of the efficacy of silodosin versus tamsulosin versus oral hydration therapy for ureteral calculi. Urological Sciences.UROS_16_21 . Revision submitted on 09.03.21
4. Piyush Gupta, Chanda Datta, Dilip Kumar Pal. Bilateral giant adrenal myolipoma: Rare scenario. Indian Journal of Pathology & Microbiology. Accepted on April 2021
5. Sunirmal Choudhury, Bikram Halder, Dilip Kumar Pal. Spectrum of lower urinary tract symptoms after renal transplantation among adult nonurologic anuric patients and their management in a tertiary care centre Urologia URJ-21-0075 Accepted on 20.06.21.
6. Sandeep Gupta, Ankit Sandhu, Dilip Kumar Pal. Supine PCNL-5 years experiences in a tertiary care centre. Urologia Accepted on 26.08.21
7. Abhisek Datta, Dilip Kumar Pal. Comparison of intravesical adjuvant therapy in bladder cancer with two different maintenance regimes of mitomycin and BCG. Urologia submitted on 29Aug 2021, Accepted on 10th September 2021 Urologia(URJ-21-0084R2)
8. Ankit Kumar, Debansu Sarkar, Dilip Kumar Pal. Comparative study of efficacy of Silodosin versus tamsulosin versus hydration therapy in the medical expulsion therapy for ureteral calculi. Urological Sciences (UROD_16_21) Accepted on 05.09.21
9. Dilip Kumar Pal, Arpita Roychoudhury, Ankit Verma. Factors influencing survival outcome in diseased renal transplantation –A single center experience. Indian Journal of Transplantation. (ijot_18_21) Accepted on 17.10.21.
10. Sunirmal Choudhury, Dilip Kumar Pal. Pelvic lipomatosis in a young male - A case report. JCDR (Ref No- 51220) Accepted on 25.10.21.

SERVICE INFORMATION (01/12/2020 to 30/11/2021)

OPD attendance: Total 53759

Bed Distribution

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

Admissions in the urology ward: Male 1203, Female 520.

Operative procedures		USG guided procedures	
• Major operations	Total: 1489	• TRUS guided prostate biopsy	303
• Minor operations	Total: 3222	• USG guided PCN	497
• Minor OPD procedures	Total: 11928	• Uroflowmetry	3613

	<ul style="list-style-type: none">• Urodynamic studies 722• ESWL 1937
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Renal transplantation

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

- Total number of Live related Renal Transplant (01/12/2020 - 30/11/2021) 24
 - Total no of Cadaveric Renal Transplant done (01/12/2020 - 30/11/2021) 14
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