

Vision Statement:

- To introduce a specialized urinary collection system for patients with nephrectomy tube
- Start fellowship course in Robotic Uro-Oncology

Objectives:

- To provide standard Urological care
- To provide super-specialty Urological facilities
- To attain excellence in teaching postgraduate and fellowship courses
- To encourage research activities among students
- To encourage research, presentations and publication among faculty
- To extend facilities to the community through extension activities.
- Short term observership , hands on skill enhancement courses for qualified urologist from India and abroad.

Courses undertaken:

- | | | | |
|---|-----------------------|---|---------------------------------------|
| 1 | MBBS | - | Since the inception of the department |
| 2 | MS (Gen Surgery) | - | Since the inception of the department |
| 3 | Ph.D. | - | Started from the year 2013 |
| 4 | M.Ch. (Urology) | - | Started from the year 2013 |
| 5 | Fellowship in Urology | - | Started from the year of 2017 |
| 6 | | | |

SERVICES PROVIDED: Besides training under-graduate, post-graduate and MCh students, the department provides the following urological services:

- ❖ URODYNAMIC STUDY
- ❖ UROFLOWMETRY
- ❖ ESWL
- ❖ HOLEP
- ❖ RIRS
- ❖ PCNL
- ❖ URS
- ❖ TURP
- ❖ LAPAROSCOPIC UROLOGICAL PROCEDURES
- ❖ TRANS OBTURATOR TAPE
- ❖ MICROSCOPIC VARICOCELECTOMY
- ❖ ARTERIO VENOUS FISTULA FOR HAEMODIALYSIS
- ❖ MINI PCNL
- ❖ ROBOTIC KIDNEY TRANSPLANT
- ❖ ROBOTIC RADICAL PROSTATECTOMY

- ❖ ROBOTIC RADICAL CYSTECTOMY
- ❖ ROBOTIC PARTIAL NEPHRECTOMY
- ❖ ROBOTIC ADRENALECTOMY
- ❖ MINIMALLY INVASIVE PYELOPLASTY
- ❖ MINIPERC
- ❖ LASER TURP
- ❖ TURBT
- ❖ VARICOLELECTOMY
- ❖ MALE INFERTILITY & ANDROLOGY
- ❖ PENILE PROSTHESIS
- ❖ FEMALE UROLOGY
- ❖ PEADIATRIC UROLOGY
- ❖ FLEXIBLE URETEROSCOPY
- ❖ URETHROPLASTY
- ❖ VASCULAR ACCESS
- ❖ P D CATHETER INSERTION

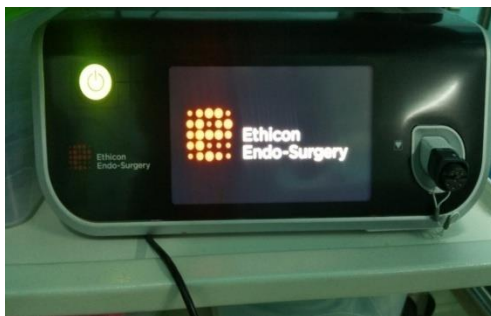
TURP set with Cystoscopy



PCNL set with Nephroscope



Harmonic system & Laproscopic and piece of Harmonic and Vessel sealer



SPECIAL CLINICS

- Incontinence clinic
- Stone clinic
- Andrology & Infertility clinic

FACILITIES

Extra Corporeal shock wave lithotripsy



P.G ROOM



URODYNAMICS



ENDOTRAINER LAB with 5 High End Stimulators



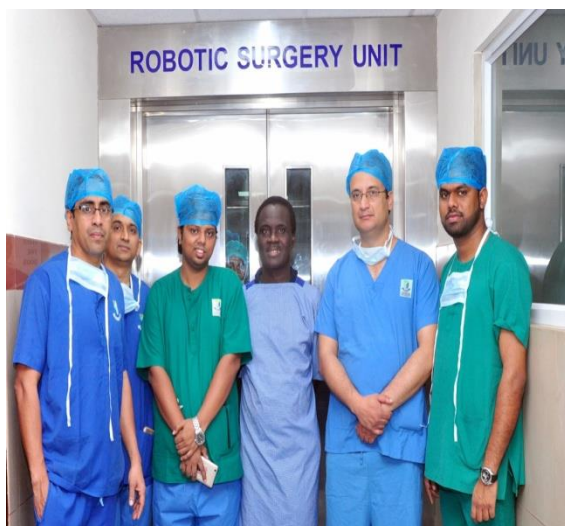
MALDIVES VISIT



FIRST ROBOTIC KIDNEY TRANSPLANT :-



ROBOTIC SURGERY TO OVERSEAS PATIENT – MEDICAL TOURISM



ROBOTIC & 3D LAPAROSCOPIC SURGERY WORKSHOP 2018.



STONE MUSEUM & RESEARCH LAB



Seminar room



Endotrainer Machine



URODYNAMICS SETUP



RESEARCH PROJECTS:

Faculty research projects (On-going):

Sl. No	Topic	Guide
1.	Urinary stones in Dakshina Kannada and north Kerala: An analysis of risk factors, metabolic evaluation and prevention. Research started in January 2013 under university seed grant	Dr. Mujeeburahiman
2.	Study on biochemical and molecular mechanism of antibiotic susceptibility of biofilm forming <i>Pseudomonas aeruginosa</i> associated with Urinary tract infection in patients after surgery	Mr Vipin (JRF) Dr. Mujeeburahiman
3.	In-vitro antibacterial activity of medicinal plant extracts against urinary pathogens and its molecular characterization	Mr. Muhammed Manzoor. AP (JRF) Dr. Mujeeburahiman
4.	Animal Research: Renal response to graded warm ischemia: (Waiting for ethical committee approval)	Dr. Mujeeburahiman Dr. Avinash Rai Mr. Vipin C (J.R.F)
5.	A standardization of normal PSA values in Dakshina Kannada and North Kerala	Dr. Altaf Khan Dr. Muhammed Musthaq
6.	HoLEP and Regular TURP a comparative study	Dr. Avinash Rai, Dr. Mujeeburahiman

EXTENSION ACTIVITIES:

- Conducting Uro-Nephro Meeting.
- Conducting Uro-Radiology meeting
- Conducting Uro-Pathology meeting.
- Conducting Uro-Oncology meeting.
- Conducting camps for BPL card holders

PUBLICATION:

1. Para urethral Swelling as Leiomyoma : A Diagnostic Surprise. Under review Indian Journal of Urology. Ref.No: IJU_32_19
2. Manzoor MAP, Mujeeburahiman M, Duwal SR, Rekha PD. Investigation on growth and morphology of *in vitro* generated struvite crystals. Biocatal Agric Biotechnol. 2019; 17, 566-570.

3. Manzoor MAP, Agrawal AK Singh B, Mujeeburahiman M, Rekha PD Morphological characteristics and microstructure of kidney stones using synchrotron radiation μ CT reveals the mechanism of crystal growth and aggregation in mixed stones. PLOS ONE (Under revision) 2019.
4. Mujeeburahiman M, Vipin C. Laparoscopic pyelolithotomy as a monotherapy for the management of intermediate-sized renal pelvic stones. Urology annals. 2018 Jul;10(3):254.
5. Manzoor MAP, Mujeeburahiman M, Rekha PD. Electron probe micro-analysis reveals the complexity of mineral deposition mechanisms in urinary stones. Urolithiasis. 2018 :1-2. doi: 10.1007/s00240-018-1052-z.
6. Manzoor MAP, Duwal SR, Mujeeburahiman M, Rekha PD. Vitamin C inhibits crystallization of struvite from artificial urine in the presence of *Pseudomonas aeruginosa*. International braz j urol: official journal of the Brazilian Society of Urology. 2018 ;44. doi: 10.1590/S1677-5538.IBJU.2017.0656.
7. Manzoor MAP, Singh B, Agrawal AK, Arun AB, Mujeeburahiman M, Rekha PD. Morphological and microtomographic study on evolution of struvite in synthetic urine infected with bacteria and investigation of its pathological biomineralization. PLOS ONE. 2018. 13(8): e0202306. <https://doi.org/10.1371/journal.pone.0202306>
8. Manzoor MAP, Shabeena KS, Mujeeburahiman M, Khan A. In dwelling J Ureteral Stents Associated Asymptomatic Bacteraemia Caused by Multidrug Resistant Strain of *Kocuria kristinae*. Journal of clinical and diagnostic research. 2018;12(5):PD15-6.
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13. Manzoor MAP, Mujeeburahiman M, Rekha PD. Association of serum biochemical panel with mineralogical composition of kidney stone in India. Acta Medica International. 2017 Jul 1;4(2):26-30.

14. Altaf Khan, Mujeeburahiman M, Ashish Verma, Rahul Bhargava. Tubeless per cutaneous nephrolithotomy:is it the present standard of care?, International Surgery Journal 2017 Jan;4(1):117-120
15. Nischith D'Souza, Mujeeburahiman M, Altaf Khan, Ashish Verm4, Vinayaka Ursemame Shivashekare, Recto-Vesical Fistula Following Radical Prostatectomy, Journal of Research in
16. Radiodiagnosis, Teleradiology and Imaging,June 30th/ Vol. 2/ Issue 1/ Jan-June, 2016,page no 30-31
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