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06/09/13

Evaluative Report of the Department

1. Name of the Department - Department of Urology
2. Year of establishment - 1970
3. Is the Department part of a School/Faculty of the university? Yes, IMS, BHU
4. Name of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.) - M.Ch (Urology)
5. Interdisciplinary courses and departments involved  
Miss Deepika Jaiswal, research scholar in the Department of molecular and human genetics, BHU is currently doing a project in the department titled "Genetic and epigenetic analysis of human male infertility".  
An Infertility Clinic is being run every Wednesday 3 p.m. in collaboration with the Departments of Endocrinology and Physiology, IMS, BHU.  
Thesis work of M. Ch candidate Dr. Rath was done in collaboration with the department of Biophysics.  
Dr. L.D. Barik from Ayurveda was an observer in the Department with regards to his research project on encrustation with DJ stents.
6. Courses in collaboration with other universities, industries, foreign institutions, etc.- None
7. Details of programmes / courses discontinued, if any, with reasons- None
8. Annual / Semester / Choice Based Credit System- Annual
9. Participation of the department in the courses offered by other departments- Faculty and residents actively involved with academic activities in the Department of Surgery, IMS, BHU.
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

	Sanctioned	Filled
Professor	1	1
Associate Professors	1	1
Asst. Professors	1	1

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. FB Singh	M.S. M. Ch (Urology)	Professor	Urology	30	-
Dr. U.S. Dwivedi	M.S. M. Ch (Urology)	Professor	Urology	20	-
Dr. S. Trivedi	M.S. M. Ch (Urology)	Associate Professor	Urology	9	-

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors
  - Dr Sudhir Rawal, Uro oncologist at Rajeev Gandhi Cancer Institute, Delhi visited the department and demonstrated Radical Cystectomy with continent catheterizable pouch – "Mansoura pouch" in April 2010

- Dr Prabhakar and Dr T Manohar visited the Department and demonstrated the technique of retrograde intrarenal surgery during two day live operative workshop held in August 2010
- Dr. N.P. Gupta, Senior Consultant from Medanta Medicity, Gurgaon conducted a live workshop on Green Light Laser Prostatectomy in August 2011.

13. Percentage of classes taken by temporary faculty-programme-wise information- None

14. Programme-wise Student Teacher Ratio- 2:1

15. Number of academic support staff (technical) and administrative staff: sanctioned and Filled- 3 sanctioned and 3 filled

16. Research thrust areas recognized by funding agencies

Department of Urology, BHU is a WHO recognised center for filarial research

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise

None

18. Inter-institutional collaborative projects and grants received

a) All India collaboration b) International

None

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE, DBT, ICSSR, etc.; total grants received.

None

20. Research facility / centre with

\* state recognition

\* national recognition

\* international recognition

None

21. Special research laboratories sponsored by / created by industry or corporate bodies

None

22. Publications: Important Publications of Department in last 7 years are as follows-

- N. Vyas, PR Nandi, Mufti Mahmood, Vipul Tandon, US Dwivedi & P.B.Singh: Bladder Mucosal autograft for repair of vesico-vaginal fistula: British J. Obs. & Gyn 112:112-114, 2005.
- Rao MP, Kumar, Dutta B, Vyas N, Nandi PR, Mahmood M, Dwivedi US, Singh DK & Singh PB: Safety and efficacy of ureteroscopic lithotripsy for ureteric calculi under sedoanalgesia-a prospective study. Journal of International Urology & Nephrology. 37:219-224, 2005.
- Rao MP, Dutta B, Vyas N, Nandi PR, Trivedi Sameer, Dwivedi US & Singh PB: Vesico-uterine fistulae (Youssef syndrome) Our experience and review of literature Accepted ANZ Journal of Surgery.
- Neeraj K Goel, US Dwivedi, N. Vyas, MP Rao, S Trivedi & PB Singh: Decade experience with vesico-vaginal fistula in India International Uro-Gynecology Journal.
- Goyal Neeraj Kumar, Rao P, Vyas N, Dutta B, Trivedi S, Dwivedi US, Singh PB: Para-Aortic Lymphadenopathy in renal cell carcinoma may be tubercular in endemic zone: A case report Current Medical Trend: 9/3/July 1781-1782, 2005.
- Mufti Mahmood, Vipul Tandon, US Dwivedi, PB Singh: Foreign body in Bladder: A Diagnostic Dilemma. JK Practitioner 2005;12(4):203-204.

- Biswajit Dutta, MP Rao, RL Acharya, N. Goel, Vaibhav Saxena, S. Trivedi, US Dwivedi & PB Singh: Dorsal Onlay Buccal Mucosal Graft Urethroplasty in long urethral stricture International Braz. J. Urology 33:181-7, 2007.
- PB Singh : Liver donor renal transplantation with vascular anomalies : a salvageable surgical challenge accepted Saudi Journal of kidney disease and transplantation.
- Kumar A, Goyal NK and Das SK, Trivedi S, Dwivedi US and Singh PB Oral complications after lingual mucosal graft harvest for urethroplasty. ANZ J Surg 2007; 77:970-973.
- Trivedi S, Kumar A, Goyal NK, Dwivedi US and Singh PB : Urethral reconstruction in balanitis xerotica obliterans, Urol Int 2007 ( in press).
- Abhay Kumar, Neeraj Kumar Goyal, S. Trivedi, US Dwivedi, PB Singh: Y-Duplication of the Urethra: A Rare case Report. The Internet Journal of Surgery. 2007. Volume 11, Number 2.
- Abhay Kumar, Neeraj K. Goyal, Suren K. Das, Sameer Trivedi, Udai S. Dwivedi, Pratap. B. Singh: Primary Malignant Fibrous Histiocytoma of the Kidney: Case Report and Review of Literature. The Internet Journal of Surgery. 2007. Volume 12 Number 2.
- A. Kumar, N.K.Goyal, S Trivedi, US Dwivedi & PB Singh: Primary Cavemous hemangioma of glans penis: Rare case report with review of literature. Aesth Plastic Surg. 32(2): 386-388, 2008.
- Management of superficial bladder carcinoma in era of orthotopic neo-bladder: Time to re think accept for publication Saudi J. Urol.
- Goyal NK, Kumar A, Das SK, Pandey AK, Sharma GK, Trivedi S, Dwivedi US & Singh PB: experience with plaque excision and dermal grafting in surgical treatment of Peyronie's disease Singapore Medical Journal 49(10):805-808, 2008.
- Abhay Kumar, Sure K Das, Sameer Trivedi, Udai S Dwivedi & Pratap B Singh: Genitor-Urinary Polyp: Summary of 10 years experience of single institute. Int. Urol. Nephrol 40:901-907, 2008.
- M.P.Rao, Abhay Kumar, Neeraj K. Goyal, Sameer Trivedi, Udai S. Dwivedi, Pratap B Singh: Prevention of bone mineral loss by zoledronic acid in men with prostate carcinoma receiving androgen deprivation therapy: A prospective randomized trial in an Indian population. Current Urology 2:79-86, 2008.
- Abhay Kumar, Suren K. Das, Sameer Trivedi, Udai Shankar Dwivedi and Pratap Bahadur Singh: Neo-Bladder vaginal fistula : An unusual complication after Orthotopic urinary diversion Saudi Journal of Kidney disease and transplantation 20(4), 658-661, 2009.
- P.B.Singh, Harbans Bansal, Girish K Sharma, A Pandey Sameer Swain, Sameer Trivedi, US Dwivedi : Retrograde radical cystectomy and ileal neo-urethra add to achieve immediate continence in patients undergoing orthotopic neo-bladder. Current Urology 3: 197-200, 2009.
- A. K. Pandey, Girish K. Sharma, Harbans Bansal, Sameer Swain, Sameer Trivedi, U. S. Dwivedi & P. B. Singh : Our modified technique of total posterior reconstruction in open retro pubic radical prostatectomy, Current Urology 3:141-145, 2009.

- Attam Amit, Kerketta Arun, Behera Bharat, Ram Navin, Trivedi Sameer, Dwivedi Udai Shankar: Penile fracture and associated urethral injury: Experience at a tertiary care hospital. Can Urol Assoc J. 2013 March; 7(3): E168–E170.
- Trivedi Sameer, Attam Amit, Kerketta Arun, Behera Bharat, Ram Navin, Agarwal Abhinav, Rathi Sudhir, Dwivedi Udai Shankar: Penile Incarceration with Metallic Foreign Bodies: Management and Review of Literature. Curr Urol 2012;6
- Deepika Jaiswal, Udai Shankar Dwivedi , Neeraj Kumar Agrawal , Sameer Trivedi, Kiran Singh. FAS-670 A/G and FAS-1377 G/A polymorphism in cell death pathway gene FAS and human male infertility. Asian Pacific Journal of Reproduction 2012; 1(3): 183-186
- Deepika Jaiswal, Ravindra Sah, Neeraj K. Agrawal, U. S. Dwivedi, Sameer Trivedi and Kiran Singh: Combined Effect of GSTT1 and GSTM1 Polymorphisms on Human Male Infertility in North Indian Population. Reproductive Sciences 2012 19: 312
- Deepika Jaiswal, Sameer Trivedi, Rajendra Singh , Rima Dada, Kiran Singh: Association of the IL1RN Gene VNTR Polymorphism with Human Male Infertility. PLoS ONE 7(12):
- Ram NK, Behera B, Rathi S, Trivedi S, Dwivedi U.S. Renal cell carcinoma in horse shoe kidney : A case series with rare presentation. Urotoday international (UIJ-D-12-00072R1)

23. Details of patents and income generated- None

24. Areas of consultancy and income generated- N/A

25. Faculty selected nationally/internationally to visit other laboratories in India and Abroad

Dr US Dwivedi demonstrated a live surgery during the live operative workshop organized by North Zone Urological society of India at Jhansi in March 2010

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Dr US Dwivedi is Medical Superintendent, BHU and a member of PPP cell, BHU

27. Faculty recharging strategies- N/A

28. Student projects- 56 M. Ch Candidates have till now done in-house projects including inter-departmental projects based around their thesis work.

29. Awards/recognitions received at the national and international level by

- \* Faculty
- \* Doctoral/post doctoral fellows
- \* Students

Dr Mikhil M (Senior resident)

- Presented "Role of real time elastography in carcinoma prostate." in 'Progress this year: Diagnostic techniques' session at NZUSICON 2010
- Presented "Correlation of serum level of vascular endothelial growth factors with clinical stage, gleason score, prostate volume and serum prostate specific antigen

in carcinoma prostate." in 'Marudhara Jodhpur Trust Prize papers' session at NZUSICON 2010

- Presented "Correlation of oxidative stress and serum level of Vascular Endothelial Growth Factor in Patients of Prostate Carcinoma" in 'CKP MENON BEST PAPER AWARD' session at USICON 2011
- Presented "Lingual Mucosal Urethroplasty: Initial 100 Cases." in 'BRIJ KISHORE PATNA PRIZE PAPERS' session at USICON 2011

Dr Amit Attam (Senior resident)

- Presented moderated poster "Penile fracture and associated urethral injury" at NZUSICON 2010
- Presented moderated poster "Rhabdomyosarcoma prostate presenting in adult age group - an enigmatic disease" at NZUSICON 2010
- Presented unmoderated poster "Renal cell carcinoma presenting with inguinal metastasis." at USICON 2011

Dr Arun Kerketta (Senior resident)

- Presented "Bladder function associated with posterior Urethral Valves after primary valve ablation or proximal Urinary diversion in children" at NZUSICON 2010
- Presented unmoderated poster "Bilateral Angiolipoma with Pseudo Aneurysm" at USICON 2011
- Presented "Role of conservative treatment in salvageability of grade IV-V renal injuries" at USICON 2011

Dr. Bharat Behera (Senior Resident)

- Presented "Etiopathological spectrum of male infertility" at USICON 2012
- Presented "Quality of life in LMG urethroplasty" at NZUSICON 2012
- Presented "Congenital Male Urethral Diverticulum- 5 cases" at NZUSICON 2012
- Presented "RCC in young age" at USICON 2012

Dr. Naveen Kumar Ram (Senior Resident)

- Presented moderated poster "Malignancy of Horse shoe Kidney: A Rare presentation" at NZUSICON 2012
- Presented moderated poster "Leiomyosarcoma of Prostate : A rare case report" at NZUSICON 2012

Dr. Sudhir Rathi (Senior Resident)

- Presented Progress session "Biomarkers in Overactive Bladder: A New Objective and Noninvasive Tool" at NZUSICON 2012 and won best paper award in this category.

Dr. Abhinav Agarwal (Senior Resident)

- Presented "Comparison of treatment results between Cold Knife OIU and Laser OIU" at NZUSICON 2012
- Presented "Comparison of treatment results between Dermal and Venous grafts after plaque excision in Peyronie's disease" at NZUSICON 2012

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

Dr US Dwivedi was the organizing chairperson and Dr Sameer Trivedi was the organizing secretary of a two day live workshop on "Retrograde Intrarenal Surgery" organized by the department of urology on August 13<sup>th</sup> and 14<sup>th</sup>, 2010.

Dr Sudhir Rawal, Uro oncologist at Rajeev Gandhi Cancer Institute, Delhi visited the department and demonstrated Radical Cystectomy with continent catheterizable pouch – "Mansoura pouch" in April 2010

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31. Code of ethics for research followed by the departments- Yes, as per the University policy.

32. Student profile course-wise:

Name of the Course (refer to question no.4)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
M.Ch (Urology)	300	2	0	1.67%	0

33. Diversity of students

Name of the Course (refer to question no.4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M.Ch (Urology)	0	16.67%	83.33%	0

34. How many students have cleared Civil Services and Defense Services examination, NET, SET, GATE and other competitive examinations? Give details category-wise  
None

35. Student progression- All students are either self employed or working with reputed hospitals (govt./private)

Student Progression	Percentage against enrolled
UG to PG	
PT to M.Phil.	
PG to Ph.D.	
Ph.D. to PostDoctoral	
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	100 %
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	66.67%
from other universities within the State	0 %
from universities from other States	33.33%
from universities outside the country	0 %

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment Period

None

38. Present details of infrastructural facilities- The department has a dedicated Urodynamics and lithotripsy centre alongside a well stocked library. The laboratory services of the department include Blood Biochemistry, Semen Analysis, Urine Examination and Uroflowmetry.

39. List of doctoral, Post-doctoral students and Research Associates

a) from the host university

b) from other universities

N/A

40. Number of post graduate students getting financial assistance from the university- None

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

N/A

42. Does the department obtain feedback from – Yes, the department does obtain feedback from the faculty and students on curriculum as well as teaching-learning-evaluation through the regular academic activities that happen. Feedback both written and verbal is then implemented and used to better teaching modules.

43. List the distinguished alumni of the department (maximum 10)

Dr. P.B. Singh (IMS, BHU)

Dr. U.S. Dwivedi (HOD Urology and Medical Superintendent, IMS, BHU)

Dr. Ajay Sharma (SGRH, New Delhi)

Dr. Wani (Shere Kashmir, Jammu)

Dr. Mahendra Singh (Dean & HOD, IGMS, Patna)

Dr. Kundu (Professor, PG Hospital, Kolkata)

Dr. Karmakar (Professor and HOD Urology, KNMC, Kolkata)

Dr. S.N. Nayak (Professor, Urology, VSS Medical College, Burla, Orissa)

Dr. Ranjan Das (Associate Professor, Urology, KNMC, Kolkata)

44. Give details of student enrichment programmes (special lectures/workshops/seminar) involving external experts.

Dr US Dwivedi was the organizing chairperson and Dr Sameer Trivedi was the organizing secretary of a two day live workshop on "Retrograde Intrarenal Surgery" organized by the department of urology on August 13<sup>th</sup> and 14<sup>th</sup>, 2010

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Dr Dalela, Professor, Dept. of Urology, KGMC, conducted classes on various topics including Suprapubic Cystostomy for Residents of the Department in 2012.

45. List the teaching methods adopted by the faculty for different programmes.

Teaching Programme:

Monday - Seminar

Tuesday - Institute Clinical Meeting

Wednesday - Infertility Clinic

Thursday - Pyelogram Clinic

Friday - Surgery Clinical Meeting

Saturday - Journal Club

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Through regular teaching programs as outlined above.

47. Highlight the participation of students and faculty in extension activities.

Department of urology conducted urology clinic and had live demonstration of various open and endourology procedures at Nehru Hospital, Singrauli

48. Give details of 'beyond syllabus scholarly activities' of the department

Awareness regards patient and health education is continuously generated through pamphlet distribution in OPD and using media such as Local TV shows and radio. Dr. S. Trivedi has had four talks on All India Radio within the first six months of 2013 towards disseminating information on common urological problems.

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details.

The M.Ch (Urology) programme is MCI (Medical Council of India) recognized.

50. Briefly highlight the contribution of the department in generating new knowledge, basic or applied. –

Department is continuously trying to generate new knowledge through regular research and publications as already enumerated.

51. Future plans of the department

- a. To develop a national centre of excellence in renal diseases
- b. To promote and develop cadaveric transplantation
- c. To further develop centre in the fields of
  - i. Laparoscopy and endourology
  - ii. Andrology and male infertility
  - iii. Reconstructive urology
  - iv.

52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department

Strengths:

Good academic programme

Attached to teaching institution

Vastly experienced faculty

Large no. of patient load

#### Weaknesses:

Lack of faculty positions  
Poor infrastructure  
Lack of funds to keep pace with technological advances  
Need to develop separate sub-specialties within Urology  
Research facilities

#### Post-accreditation Initiatives

If the university has already undergone the accreditation process by NAAC, please highlight the significant quality sustenance and enhancement measures undertaken during the last four years. The narrative may not exceed ten pages.- N/A