

Department of Gynecological Oncology

Introduction:

The department of Gynecological oncology is a super specialty of State Cancer Institute at IGIMS, Patna, started in the year 2008, considering the vivid volume of female genital tract malignancies in the region. The State Cancer Institute and Gynecological oncology departments are the only government run departments with a aim to provide an astute, comprehensive oncological treatment including surgery, chemotherapy and radiotherapy under one roof with a holistic approach. Under leadership of Prof.(Dr.) Sangeeta Pankaj, the department has completed its 11 years successfully and over the years has achieved several milestones in developing it as a state of the art specialty to provide best management and care to the patients of genital tract malignancies in a very conducive, patient friendly environment on a congenial platform. The department has seen a steady and consistent rise in the number of patients seeking our services. Starting of M.Ch in this superspecialty is already in pipeline & also Colposcopy based short-term training and Fellowships in due course of time.



Our Mission:

- Spread awareness and educate ANMs as well as females from general population about the need, methods and impact of screening of gynecological malignancies especially cervical cancer.
- Generate trained human resources for early detection and effective management of gynecological cancers.
- Decrease the morbidity & mortality associated with gynecological malignancies.
- Conduct research in the field of Gynecological oncology.

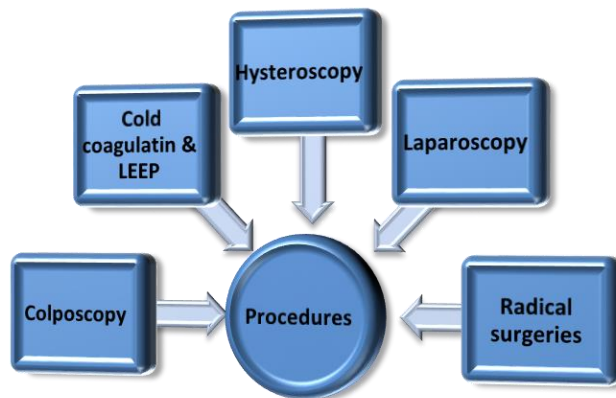
Faculty:

S. No.	Faculty/SR/JR	Designation	Mobile No.
1.	Dr. Sangeeta Pankaj	Professor, HOD	9334337127
2.	Dr. Jyotsna Rani	Assistant Professor	9592058789
3.	Dr. Kavya Abhilashi	Assistant Professor	8292846383
4.	Dr. Pratibha kumari	Senior Resident	6201768746
5.	Dr. Satya Kumari	Senior Resident	7070193994
6.	Dr. Richa Sharma	Junior Resident	7549148363
7.	Dr. Nazish Aftab	Junior Resident	9155576969
8.	Dr. Manshi Kumari	Junior Resident	9334337127

Clinical Expertise:

Screening and diagnostic tests such as PAP Smear, HPV Testing, Colposcopy, Cervical Biopsy, Cold coagulation for benign cervical lesion, LEEP procedures for pre-invasive diseases of Cervix, Endometrial Biopsy, Trucut Biopsy, FNAC from breast lump.

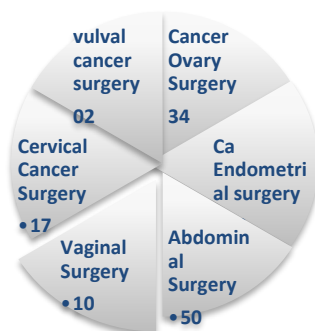
All radical surgeries for cancers of the Vulva, Vagina, Cervix, Endometrium, Fallopian Tubes and Ovaries along with minimal invasive surgeries.



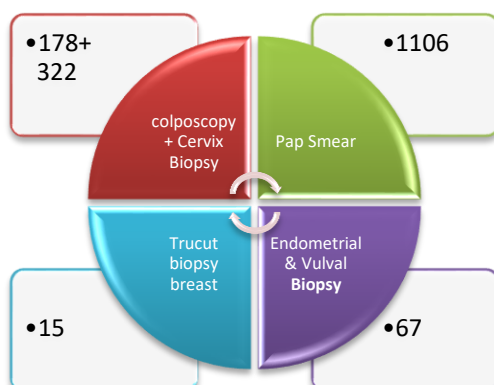
Patient Care Statistics(2018-19):

Registration	5948
New Registration	1820
Old Registration	4126
Emergency Registration	02
No. of Admission	162
General Ward	147
Private Ward	13
Emergency Ward	2
No of Operation done	126
SSP I	68
SSP II	02
Major I	43
Major II	01
Minor I	08
Minor II	0
Minor III	01
Hysteroscopy	03

Number of major surgeries performed:



Minor procedures performed in OPD:



Research:

1. Hysteroscopy as diagnostic procedure in abnormal uterine bleeding with radiological & Histopathological correlation
2. Colposcopic evaluation of Cervix: for its efficacy and accuracy
3. The incidence of BRCA 1 and BRCA 2 mutation in breast cancer patients and their first degree relatives and the effect of oophorectomy on survival of breast cancer patients with BRCA 1 and BRCA 2 mutations
4. Genotyping of HPV strains causing cervical cancer in Bihar
5. HE-4 A novel tumor marker for ovarian mass and its comparison with CA 125
6. Tumor markers in Pre-operative Assessment & diagnosis of Adnexal mass.
7. National Cancer Registry Program
8. The Role of Human Papilloma Virus HPV in the Development of Cervical Carcinoma and its Early Detection by Molecular Method

Publication:

Dr. Sangeeta Pankaj

1. Pankaj Sangeeta, Nazneen Syed, Kumari Simi, Kumari Anjili, Kumari Anita, Kumari J, et al. Comparison of conventional Pap smear and liquid-based cytology: A study of cervical cancer screening at a tertiary care center in Bihar. *Indian J Cancer* 2018;55:80-3.
2. Kumari Anita, Pankaj Sangeeta, Choudhary Vijayanand, Kumari Anjili, Nazneen Syed, Kumari Jaya, Shishir Kumar, et al. Retrospective analysis of patients of cervical cancer a tertiary center in Bihar. *Indian J Cancer* 2018;55:70-3.
3. Sangeeta Pankaj, Jaya Kumari, Syed Nazneen, Anita Kumari, Simi Kumari, Anjili Kumari, Vijayanand Choudhary, Extra Uterine Choriocarcinoma Mimicking as Ectopic Pregnancy: A Rare Case Report, *Indian Journal of Gynecologic Oncology* (2018) 16:30,
4. Kumari, A., Pankaj, S., Kumari, J. et al. Clinicopathological Study of Postmenopausal Bleeding in a Tertiary Care Center *Indian J Gynecol Oncol* (2018) 16: 39. <https://doi.org/10.1007/s40944-018-0215>
5. Sangeeta Pankaj, Anita Kumari, Jaya Kumari, Syed Nazneen, Anjili Kumari, Vijayanand Choudhary, Cervical Melanoma, a Rare Tumor with Poor Prognosis: Case Report and Review of Literature, *Indian Journal of Gynecologic Oncology* (2018) 16:41
6. Dr. Jaya Kumari, Dr. Sangeeta Pankaj, Dr. Rakesh Ranjan Kumar and Dr. Vijayanand Choudhary, Evaluation of thyroid profile in gynaecological malignancies *International Journal of Clinical Obstetrics and Gynaecology*, 2018, Vol. 2 Issue 4, Part A, Pages: 06-08
7. Dr. Jaya Kumari, Dr. Sangeeta Pankaj, Dr. Rakesh Ranjan Kumar and Dr. Vijayanand Choudhary, Hospital based study of prognostic factor of endometrial cancer patients, *International Journal of Clinical Obstetrics and Gynaecology*, 2018, Vol. 2 Issue 4, Part A, Pages: 09-12
8. Pankaj Sangeeta, Kumari Anjili, Nazneen Syed, Kumari Simi, Kumari Anita, Kumari Jaya and Choudhary Vijayanand, "Introduction of Case Based Learning for Teaching Common Gynecological Malignancies in Undergraduates", *World Journal of Surgical Medical and Radiation Oncology* 2018, 7:1
9. Kumari, A., Pankaj, S., Choudhary, V. et al., Ultrasonic and Histopathological Evaluation to Exclude Premalignant and Malignant Lesions in Perimenopausal and Postmenopausal Women Presenting as Abnormal Uterine Bleeding *J Obstet Gynecol India* (2018). <https://doi.org/10.1007/s13224-018-1166-9> Ref.: Ms. No. JOGI-D-17-00543R1
10. Dinesh Kumar Sinha, Anita Kumari, Sangeeta Pankaj, Simi Kumari, Vijayanand Choudhary, Anjili Kumari, Jaya Kumari, Syed Nazneen, Shishir Kumar, To Evaluate the Incidence of ER, PR and Her2/Neu Status in Newly Diagnosed Breast Cancer Patients at a Tertiary Care Centre, *Indian Journal of Gynecologic Oncology* (2018) 16:55, [https://doi.org/10.1007/s40944-018-0225-6\(010123456789\).,-volV](https://doi.org/10.1007/s40944-018-0225-6(010123456789).,-volV)
11. Sangeeta Pankaj, Anita Kumari, Simi Kumari, Vijayanand Choudhary, Jaya Kumari, Anjili Kumari, Syed Nazneen, Evaluation of Sensitivity and Specificity of Pap Smear, LBC and HPV in Screening of Cervical Cancer, *Indian Journal of Gynecologic Oncology* (2018) 16:49 [https://doi.org/10.1007/s40944-018-0221-x6789\(\).,-volV\(012345](https://doi.org/10.1007/s40944-018-0221-x6789().,-volV(012345)
12. Anita Kumari, Sangeeta Pankaj, Jaya Kumari, Syed Nazneen, Anjili Kumari, Vijayanand Choudhary, K. H. Raghwendra, Calcified Large Subserous Fibroid with Unusual Presentation, *Indian Journal of Gynecologic Oncology* (2018) 16:20, <https://doi.org/10.1007/s40944-018-0188-7hnn>
13. Pankaj S, Jee B, Kumari A, Choudhary V. Cervical cancer in Bihar: Time to revisit the shortcomings. *Indian J Cancer* 2018; 55 (2): 203-204
14. Pankaj S, Kumari A, Kumari A, Choudhary V, Nazneen S, Primary malignant melanoma of the female genital tract: a series of interesting cases (accepted for publication in *J Obstet Gynaecol India*; 2019. Ref: Ms. No. JOGI-D-18-00309R2)
15. Kumar A, Pankaj S, Kumari J et al. Uterine carcinosarcoma in a postmenopausal women: a rare case report *Indian J Gynecol Oncol* (2018) 16: 61. <https://doi.org/10.1007/s40944-018-0229-2>

16. Pankaj S., Kumari, A., Kumari, J. et al. Cervical Melanoma, a Rare Tumor with Poor Prognosis: Case Report and Review of Literature, *Indian J Gynecol Oncol* (2018) 16: 41. <https://doi.org/10.1007/s40944-018-0216-7>
17. Dr. Vijayanand Choudhary, Dr. Raju Kumar, Dr. Anita Kumari, Dr. Sangeeta Pankaj, Dr. Jaya Kumari, Dr. Syed Nazneen, Dr. Anjili Kumari, Childhood and Adolescence Ovarian malignancy: A study in a tertiary care Centre in Bihar *JIGIMS* Jul-Aug 2018, Vol.4, No.224-28
18. Pankaj Sangeeta, Kumari, Anjili, Nazneen, Syed, Kumari, Jaya, Choudhary, Vijayanand, Kmari, Anita, Multiple Primary Malignancies of Cancer of Ovary and Cervix in A Young Woman: A Rare Case Report, *Indian Journal of Gynecologic Oncology* (2018) 16:18 [https://doi.org/10.1007/s40944-018-0182-0\(0123456789\(\).,-volV\)\(0123456789\(\).,-volV\)](https://doi.org/10.1007/s40944-018-0182-0(0123456789().,-volV)(0123456789().,-volV))
19. Dr Sangeeta Pankaj, Role Of Gynecological Oncologist To Provide Quality Care And Improve Outcome Of Females With Gynecological Cancers, Letter To Editor, *Jigims*, Vol4, Number 2,13-14
20. Dr Sangeeta Pankaj, Jaya Kumari. Ref.: Ms. No. Jogi-D-18-00123r2, Prognostic Value Of Her 2 / Neu Gene Amplification In Epithelial Ovarian Carcinoma, *The Journal Of Obstetrics And Gynecology Of India*
21. Jaya Kumari , Sangeeta Pankaj , Anjili Kumari , Syed Nazneen , Anita Kumari , Vijayanand Choudhary 4 K. H. Raghendra, Recurrent Granulosa Cell Tumour Of The Ovary In Postmenopausal Women - A Rare Case Report, *Jigims*, Vol4, Number 2,49-50
22. Jaya Kumari, Sangeeta Pankaj, Anita Kumari, Anjili Kumari, Syed Nazneen, Vijayanand Choudhary, Seema Devi, Manish Kumar, Shishir Kumar, Prognostic Value Of Pretreatment Ca 125 In Patients Of Ovarian Carcinoma. *Jigims* Jan-Feb.2019, Vol.5, No.1, 27-30
23. Anita Kumari, Sangeeta Pankaj, Syed Nazneen, Jaya Kumari, Anjili Kumari, Vijayanand Choudhary, Sanjay Kumar Suman, Shishir Kumar, Diagnostic Accuracy Of Mri With Clinical Staging In Cervical Cancer, *Jigims* Jan-Feb.2019, Vol.5, No.1 17-20
24. Sangeeta Pankaj, Anjili Kumari, Jaya Kumari, Syed Nazneen, Anita Kumari, Simi Kumari, Vijayanand Choudhary, Rajesh Kumar Singh, Shishir Kumar, Retrospective Observational Study Of Surgically Treated Patients Of Locally Advanced Cervical Cancer After Primary Chemo Radiation At A Tertiary Care Centre In Bihar, *Jigims*, Jan-Feb.2019, Vol.5, No.1 35-38
25. Choudhary V, Kumari A, Pratibha Kumari, Sangeeta Pankaj, To Study Over Expression Of P53 And Bcl2 In Correlation To Hpv Infection In Premalignant And Malignant Lesion Of The Cervix. *Jigims* Jan-Feb.2019, Vol.5, No.1 21-24
26. Pratibha Kumari, Vijayanand Choudhary, Anila Sinha, Sangeeta Pankaj, SYNCHRONOUS TUMOR OF BREAST AND CERVIX: A CASE REPORT, *JIGIMS*, Jan-Feb.2019, Vol.5, No.1 99-100
27. Sangeeta Pankaj, Syed Nazneen, Vijayanand Choudhary, Jaya Kumari, Anjili Kumari, Retrospective Observational Study of Surgically Treated Gynecological Malignancies at a Tertiary Care Centre in Bihar, *Indian Journal of Gynecologic Oncology* (2019) 17:15, [https://doi.org/10.1007/s40944-019-0257-6\(0123456789\(\).,-volV\)\(0123456789\(\).,-volV\)](https://doi.org/10.1007/s40944-019-0257-6(0123456789().,-volV)(0123456789().,-volV))

Dr. Jyotsna Rani

1. Mehra R, Dubey S, Goel P, Rani J. Imaging of Adnexal mass during pregnancy, Pictorial Assay. *The Journal of Obstetrics & Gynaecology of India*. <https://doi.org/10.1007/s/13224-018-1664-y>.
2. Dubey S, Rani J, Mehra R, Goel P, Rani J, Sitodiya M. Maternal complications in twin pregnancy; recent trends: a study at a tertiary care referral institute in Northern India. *Int J Reprod Contracept Obstet Gynecol*. 2018 Sep;7(9): www.ijrcog.org pISSN 2320-1770 | eISSN 2320-1789 Original Research Article
3. Dubey S, Rani J, Sitodiya M. Unexpected Uterine Rupture: A case series and Review of Literature. *Journal of Clinical Diagnostics & Research*. DOI:10.7860/JCDR/2018/32189.11783.

Dr. Kavya Abhilashi

1. Abhilashi K, Tiwary B, Sinha A, Snehkiran, Parvina P and Prasad D. Epidemiology and maternal and fetal outcome of heart disease during pregnancy: A tertiary care center experience. *International Journal of Clinical Obstetrics and Gynaecology* 2018; 2(5): 128-130.
2. Sinha A, Sharma SK, Abhilashi K, Suman SK, Prakash P. Role of Imaging Techniques in Evaluating Mastalgia at a Tertiary Care Hospital. *International Journal of Scientific and Research Publications* 2019; 9(6):380-84.
3. Sinha A, Abhilashi K, Snehkiran, Prasad D. Painless labour: attitude and awareness amongst pregnant women. *Int J Reprod Contracept Obstet Gynecol*. 2019 Mar;8(3).
4. Abhilashi K and Puri M. Comparison of N-acetyl cysteine with metformin on clinical profile in anovulatory infertile women with PCOS. *International Journal of Clinical Obstetrics and Gynaecology* 2018;2(3):119-122
5. Tiwary B, Abhilashi K, Snehkiran, Sinha A. Pregnancy Management And Outcome Of Women With Antiphospholipid Syndrome: A Descriptive Case Study. *International journal of scientific research*, 2019,8(3):21-22

Services Provided:

- Screening & management of cervical cancer- PAP smear, LBC, HPV detection & genotyping, E₆, E₇ testing, Colposcopy, Cervical Biopsy, procedures like Cold coagulation, LEEP & cone biopsy for pre-malignant cervical lesions.

- Diagnosis and treatment of pre-malignant lesions of female genital tract.
- Diagnostic & operative Hysteroscopy, laparoscopic surgeries.
- Radical surgeries for cancers of vulva, vagina, cervix, uterus, ovaries and fallopian tubes.

Department Achievements:

The addition of state of the art Colposcope and hysteroscope in the department has added another feather to the hospital's cap. The department has successfully installed and operating the colposcope for diagnosis of pre-malignant and malignant cervical pathology at early stage and its management as well. This is an outpatient, painless procedure and is helpful in follow up of abnormal cervical cancer screening tests (Pap Smear, HPV testing) or suspicious lesion seen over cervix, vulva and vagina. Diagnostic and operative Hysteroscopy are being carried out successfully.
