

Sub:- Departmental annual report for 2017 for the department of Surgical Oncology.

PART 1:- DEPARTMENTAL NEWS

- A) 1) In addition to some newer equipments that have been procured by our department in the year 2016-17 , namely Valley Lab electrocautery machine & Ligasure vessel sealing device, both of which have enabled us to perform complex oncological procedures with minimal blood loss and associated morbidity, we are awaiting the arrival of our own new Laparoscopic set and hand instruments from a world renowned company. The Ligasure vessel sealing device and Valley Lab have helped us in performing minimally invasive colorectal operations, namely Laparoscopic APR, LAR, and Hemicolectomies, and staging laparoscopies with assisted biopies, with the result that these patients have had less post operative pain, early mobilisation, less incidence of infection and quick return to work, along with less morbidity associated with an unnecessary open exploratory laparotomy in GI malignancies. All these put together, have increased the turnover of our oncosurgical patients in the last year and we have been able to cater to many patients in need of early operation and adjuvant treatment to improve their overall prognosis.
- 2) The Department Of Surgical Oncology got its first Professor when our Head Of Department, Dr Saurav Kumar Ghosh was promoted from Associate Professor to Professor in December 2017. The other two faculty members are Dr Jayesh Kumar Jha (Associate Professor) and Dr Vikram Chaturvedi (Assistant Professor).
- 3) It is indeed a matter of pride for our department that we have been able to cross the 250 mark (257 major oncosurgical procedures along with 57 minor surgeries) with just 5 mortalities in 2017. This is in comparison to last years' 200 major cases and 28 minor operations. We had at the beginning of the year aimed to successfully complete 300 operations by the year end and were well on course, had it not been for an untimely finger fracture of our Assistant Professor which hampered our OT functioning to some extent.
- 4) The OPD turnover has also shown an upward graph in comparison to previous years...from 703 in 2012 to 1028 new male patients and 1037 new female patients, and total 2844 patients who have visited our OPDs in the year 2016. In 2017, 1247 new male patients, 1256 new female patients, 711 old male and 717 old female patients visited our OPD. This took the tally to 3931 total number of patients who came to our OPD in 2017. Hence this year saw 1087 more patients visiting the OPD of Surgical Oncology deptt.in Medical College.
- 5) The increased turnover of our patients along with minimal mortality rate would not have been possible without the support of 2 house staff posted in our department in the first half of the year, but the smooth functioning of our department was again hampered when no house staff joined in the second half of the year which resulted in lesser number of cases being performed in our OT as there was no one to provide 24 hour postoperative cover. We were greatly helped by the postings of post graduate trainees from General Surgery Department on rotational basis for 15 days each, who provided round the clock cover and

took care of our postoperative patients. The PGTs are posted every year from 1st October to 28th February (5 months).

6) Our department has a total of 8 male beds and 4 female beds, vide memo no: 12097 dated 21-09-2016, along with 3 OT days every week...Monday, Tuesday & Friday.

7) We have also been extending our help to other departments, namely Obs.& Gynae, General Surgery, ENT and Plastic Surgery in performing major oncological operations for the last 5 years with minimum morbidity and encouraging results.

- B) 1) Dr Saurav Kumar Ghosh was invited to present a video on "Ilio inguinal block dissection" in SASICON held in February 2017.
- 2) Dr Vikram Chaturvedi was invited as a guest speaker to talk on "Gynecological Cancer Symptoms and management" at ECL Asansol in February 2017.
- 3) Dr Jayesh Kumar Jha was invited to give a talk on "Recent advances in the management of stomas", at Medical college Hospital.
- 4) Dr Saurav Kumar Ghosh was part of the Organising Committee of a day long conference on "Urological Cancers: emerging concepts", organised by Oncological Society Of Bengal in Aug-Sep 2017.
- 5) Dr Vikram Chaturvedi was invited for live demonstration of oral cancer operation at Eastern Coalfields Limited (ECL) at Sanctoria hospital.
- 6) Dr Saurav Kumar Ghosh and Dr Jayesh Jha attended a day long CME on Hepatobiliary case capsules in Kolkata.
- 7) Dr Saurav Kumar Ghosh attended Oncosurg ,an annual conference at Tata Hospital, Mumbai.
- 8) Dr Saurav Kumar Ghosh was a guest speaker at modular classes held at IPGMER.
- 9) Dr Jayesh Jha attended a CME on D2 gastrectomy at CNCI Hospital in July '17.
- 10) Dr Saurav Kumar Ghosh attended a workshop and conference on Thoracic Oesophagectomies.
- 11) Dr Vikram Chaturvedi was a panelist on Laryngeal cancers: Newer concepts, organized by Radiation and Surgical Oncology Departments at Medical college in April '17.
- 12) Dr Saurav Kumar Ghosh was also invited to be the guest Lecturer on "Management Of Differentiated Thyroid Cancers" at modular class in IPGMER.
- 13) Dr Saurav Kumar Ghosh was guest surgeon for Head & Neck cancer operation at RG Kar Medical College on 2 occasions.
- 14) Dr Vikram Chaturvedi was invited to deliver a lecture on " Advances in the management of Breast Cancers" at BCCL Hospital, Dhanbad.
- 15) Dr Jayesh Jha was invited to demonstrate a Whipple's Pancreaticoduodenectomy operation at Calcutta National Medical College in June '17.

PART-II:- ACADEMIC ACTIVITIES

- A) The Department of Surgical Oncology along with the Department of Medical Oncology have organised seminars on the following topics:
- 1) Role of exemestane and everolimus in the management of hormone receptor positive advanced breast cancer (BOLERO-II Trial).
 - 2) Clinical implications of basic research on signatures of DNA repair deficiencies in breast cancer
 - 3) Edoxaban for the treatment of cancer associated venous thromboembolism
 - 4) Emerging role of pertuzumab in the neoadjuvant setting in the treatment of breast cancer.
 - 5) Daratumumab plus bortezomib, melphalan and prednisone for untreated myeloma.
 - 6) Colorectal cancer: Response to Cobimetinib in activated KRAS mutation cancers.
 - 7) Progress in the treatment of Hodgkin's Lymphoma.
 - 8) 20- year risks of breast cancer recurrence after stopping endocrine therapy at 5 years.
 - 9) Treatment of recurrent Gastrointestinal Stromal tumours.
 - 10) Osimertinib in untreated EGFR mutated advanced NSCLC .
 - 11) Adjuvant Nivolumab versus Ipilimumab in resected stage III or IV malignant melanoma.
 - 12) Contralateral prophylactic mastectomy: Clinical decisions.
 - 13) Olaparib for metastatic breast cancer in patients with germline BRCA mutation.
 - 14) Desmoid tumours and celecoxib with sorafenib.
 - 15) Timing of metastasis in breast cancer....clinical implications.
- B) The Departments of Surgical Oncology and Anaesthesiology together organise a workshop annually on pain management in terminally ill cancer patients.
- C) nil
- D) Our department has recently concluded the research on "Gall bladder cancer with special emphasis on socioeconomic factors and dietary habits"statistical analysis underway and acceptance awaited...Dr Saurav Kumar Ghosh, Dr Vikram Chaturvedi, Dr Jayesh Jha.
- E) Surgical Oncology department is currently conducting a research on "Thyroid cancers--- need for calcium supplementation following total thyroidectomy"...Dr Saurav Kumar Ghosh Dr Vikram Chaturvedi and Dr Jayesh Jha.
"Incidence of lymphoedema following level III axillary dissection in breast cancer patients"...Dr Saurav Kumar Ghosh and Dr Vikram Chaturvedi....published in January 2017.
The Department is also conducting three more simultaneous research work on chemo port, carcinoma ovary and soft tissue sarcomas.
- F) International organisation of scientific research (IOSR)
Saurav Kumar Ghosh, Bhawna Bhutoria Jain, Vikram Chaturvedi, Shirshak Dutta.Uncommon neck swellings:aetiology and management.e-ISSN:2279-0853,p-ISSN: 2279-0861. Volume 15, issue 12 ver.III(december 2016) PP 14-20 www.iosrjournals.org
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PART-IV: General Departmental Facilities:

- Total number of beds in the department.....12.... (8 male and 4 female).
- Number of units in the department....Two ...UNIT 1...Dr Saurav Ghosh & Dr Vikram Chaturvedi

UNIT 2...Dr Jayesh Jha & Dr Vikram Chaturvedi

PART V: Available Clinical Material:

Out patient Department (OPD):

New male.....1247

New female.....1256

Total new patients.....2503

Old male.....711

Old female.....717

Total old patients.....1428

Total male patients.....1409→1958

Total female patients.....1435→1973

Total number of patients.....2844→3931

In patient department (IPD):

Major operations.....200→257

Minor operations.....28→57

OPD OT.....322

Special investigations:

Digital subtraction angiography.....12 patients.

Whole body FDG (PET-CT scan).....86 patients.

3-D reconstruction of vascular anatomy.....39 patients (hepatopancreatobiliary and head & neck cancer patients).