DR. SAYAN DAS

HOD & Senior Consultant - Radiation Oncology

Qualification

MBBS | MD

Overview

Dr. Sayan Das is an HOD & Senior Consultant - Radiation Oncologist with extensive training and experience in the field. He holds an M.D. in Radiation Oncology and has received specialized training in cancer treatment. Over the years, he has gained expertise in advanced radiation therapy techniques, including Intensity-Modulated Radiation Therapy (IMRT), Image-Guided Radiation Therapy (IGRT), Stereotactic Radiosurgery (SRS), Stereotactic Body Radiotherapy (SBRT), and brachytherapy procedures. His proficiency extends to various radiotherapy planning systems such as Eclipse, Brainlab, Sunrise Plato, Oncentra, and Tomotherapy. Dr. Das has a wealth of experience with radiation therapy equipment and has independently planned and executed complex radiotherapy procedures. He has performed specialized treatments such as Total Skin Electron Therapy, Total Body Irradiation, Hemibody Irradiation, and extracorporeal radiation therapy. His expertise in brachytherapy encompasses intracavitary procedures for cervical cancer, interstitial brachytherapy, accelerated partial breast irradiation, peri-operative brachytherapy for soft tissue sarcomas, and surface mold therapy for corneal and conjunctival

carcinomas. Dr. Das achieved significant milestones, becoming the first Radiation Oncologist in Eastern India to introduce Accelerated Partial Breast Irradiation using Interstitial Brachytherapy and Total Skin Electron Therapy. His contributions to radiation oncology in Eastern India have been groundbreaking and have enhanced the scope of cancer treatment in the region. His areas of interest include conformal irradiation for head and neck, thoracic, gynecologic, pediatric tumors, breast cancer, brachytherapy for gynecological tumors, and preventive oncology.

Field of Expertise

- Head & Neck Cancer
- Lung Cancer
- Breast Cancer

Languages Spoken

- English
- Bengali
- Hindi

Talks & Publications

- Das S, Rathod S, Munshi A, Agarwal J. Being lax with Taxanes can be Taxing! Int J Radiat Oncol Biol Phys. 2013 May 1; 86(1):14-5
- Das S, Gupta T, Dholam K, Chouksey G, Ghosh Laskar S, Prakash Agarwal J. Is palatal vault height a determinant for nasopharyngeal carcinoma: A hypothesis? Med Hypotheses. 2015 Jul 17. pii: S0306-9877(15)00276-5.
- doi: 10.1016/j.mehy.2015.07.012.

- Das S, Misra S, Munshi A, Rathod S, Purandare N, Tandon S and Agarwal J. A Prospective Study to Evaluate Clinical Radiation Induced Pneumonitis in Lung Cancer Patients and its Dose Response Relationship with Radiotherapy. J Lung Cancer Diagn Treat 2016, 1:101
- doi:10.4172/jlcdt.1000101
- Hotwani C, Agarwal JP, Prabhash K, Munshi A, Joshi A, Misra S, Kumar D, Das S, Laskar SG. Palliative thoracic radiotherapy in advanced lung cancer: A single institution experience. Indian J Cancer. 2017 Jan-Mar;54(1):262-266.
- doi: 10.4103/0019-509X.219587
- Jyotirup Goswami, Kazi S Manir, Monidipa Mondal, Suman Mallik, Sayan Das, Arijit Sen, Bipasha Pal, Suresh Das, Soura Palit, Papai Sarkar. Clinical audit of dose-escalated radical radiotherapy for advanced cervical carcinoma using a pragmatic protocol (3 fractions of 8 Gy HDR brachytherapy). Gynecol Oncol Rep. 2021 Jun 24;37:100822; DOI: 10.1016/j.gore.2021.100822
- Soujanya Ferdinand, Monidipa Mondal, Suman Mallik, Jyotirup Goswami, Sayan Das, Kazi S Manir, Arijit Sen, Soura Palit, Papai Sarkar, Subhayan Mondal, Suresh Das, Bipasha Pal. Dosimetric analysis of Deep Inspiratory Breath-hold technique (DIBH) in left-sided breast cancer radiotherapy and evaluation of pre-treatment predictors of cardiac doses for guiding patient selection for DIBH. Tech Innov Patient Support Radiat Oncol 2021 Mar 1;17:25-31. DOI: 10.1016/j.tipsro.2021.02.006
- Jyotirup Goswami, Suman Mallik, Monidipa Mondal, Saikat Sheet, Sayan Das, Arijit Sen, Bipasha Pal, Suresh Das, Soura Palit. Preliminary Results of Clinical Outcomes with Hypofractionated Intensity Modulated Radiotherapy in Organ Confined Prostate Cancer: An Indian Experience. Cancer Therapy & Oncology International Journal, vol. 11(5), pages 23-30. DOI: 10.19080/CTOIJ.2018.11.555823

- Arijit Sen, Jyotirup Goswami, Suman Mallik, Sayan Das, Kazi Sazzad Manir, Monidipa Mondal, Saikat Sheet, Bipasha Pal, Suresh Das, Soura Palit, Papai Sarkar, Sonai Dutta, Akash Nag, Mouli Chakraborty. Hypofractionated Radiotherapy for Breast Cancer: An Indian Experience. IOSR Journal of Dental and Medical Sciences (IOSR-JDMS) Volume 19, Issue 2 Ser.19 (February. 2020), PP 39-43.
- DOI: 10.9790/0853-1902193943
- Jyotirup Goswami, Suman Mallik, Kazi Sazzad Manir, Sayan Das, Arijit Sen, Monidipa Mondal, Bipasha Pal, Suresh Das, Soura Palit, Papai Sarkar. Three-Dimensional Conformal focal radiotherapy (30 Gy in 5 fractions) – An useful substitute for Stereotactic radiosurgery In Brain oligometastases: A Single-institutional Case Series. Int J Neurooncol 2019;2:128-30. DOI: 10.4103/IJNO.IJNO_15_19
- Bipasha Pal, Angshuman Pal, Suresh Das, Soura Palit, Papai Sarkar, Subhayan Mondal, Suman Mallik, Jyotirup Goswami, Sayan Das, Arijit Sen, Monidipa Mondol. Retrospective study on performance of constancy check device in Linac beam monitoring using Statistical Process Control. Reports of Practical Oncology and Radiotherapy vol 25 No 1 (2020) p 91-99; DOI: 10.1016/j.rpor.2019.12.004
- Bipasha Pal, Angshuman Pal, Santanu Bag, Suresh Das, Soura Palit, Papai Sarkar, Suman Mallik, Jyotirup Goswami, Sayan Das, Kazi Sazzad Manir, Arijit Sen, Monidipa Mondal. Comparative performance analysis of 2D and 3D gamma metrics for patient specific QA in VMAT using Octavius 4D with 2D-Array 1500; Physica Medica vol 91; Nov 2021; p 18-27; DOI: 10.1016/j.ejmp.2021.10.011