

Research Publications

1. Title: Reducing Salivary Toxicity with Adaptive Radiotherapy (ReSTART): A Randomized Controlled Trial Comparing Conventional IMRT to Adaptive IMRT in Head and Neck Squamous Cell Carcinomas.

Authors: Ghosh Laskar S, Sinha S, Kumar A, Samanta A, Mohanty S, Kale S, Khan F, Lewis Salins S, Murthy V.

Journal: Clin Oncol (R Coll Radiol). 2024 Jun;36(6):353-361. doi: 10.1016/j.clon.2024.03.015. Epub 2024 Mar 18. PMID: 38575432.

2. Title: Contralateral Nodal Relapse in Well-lateralised Oral Cavity Cancers Treated Uniformly with Ipsilateral Surgery and Adjuvant Radiotherapy With or Without Concurrent Chemotherapy: A Retrospective Study.

Authors: Swain M, Budrukkar A, Murthy V, Pai P, Kanoja A, Ghosh-Laskar S, Deshmukh A, Pantvaitya G, Kannan S, Patil VM, Naronha V, Prabhash K, Sinha S, Kumar A, Gupta T, Agarwal J.

Journal: Clin Oncol (R Coll Radiol). 2024 May;36(5):278-286. doi: 10.1016/j.clon.2024.02.003. Epub 2024 Feb 10. PMID: 38365518.

3. Title: Development and Validation of Single-Optimization Knowledge-Based Volumetric Modulated Arc Therapy Model Plan in Nasopharyngeal Carcinomas.

Authors: Shwetabh Sinha, Anuj Kumar, Guncha Maheshwari, Samarpita Mohanty, Kishore Joshi, Prakash Shinde, Deeksha Gupta, Shrikant Kale, Reena Phurailatpam, Monali Swain, Ashwini Budrukkar, Rajesh Kinhikar, Sarbani Ghosh-Laskar.

Journal: Advances in Radiation Oncology. July 2023. doi: 10.1016/j.adro.2023.101311.

4. Title: Psycho-oncology/Supportive Care in Head–Neck Cancer Patients Undergoing Radiation Therapy: A Randomized Controlled Trial.

Authors: Shwetabh Sinha, Saket Pandey, Shirley L. Salins, Naveen Salins, Jayita Deodhar, Tejpal Gupta, Sarbani G. Laskar, Ashwini Budrukkar, Monali Swain, Anuj Kumar, Vedang Murthy, Sudhir Nair, Deepa Nair, Poonam Joshi, Pankaj Chaturvedi, Nandini Menon, Vijay Patil, Amit Joshi, Vanita Noronha, Kumar Prabhash, Jai Prakash Agarwal.

Journal: South Asian Journal of Cancer. 2023.

5. Title: Machine-Learning-Based Radiomics for Classifying Glioma Grade from Magnetic Resonance Images of the Brain.

Authors: Kumar A, Jha AK, Agarwal JP, Yadav M, Badhe S, Sahay A, Epari S, Sahu A, Bhattacharya K, Chatterjee A, Ganeshan B, Rangarajan V, Moyiadi A, Gupta T, Goda JS.

Journal: J Pers Med. 2023 May 30;13(6):920. doi: 10.3390/jpm13060920. PMID: 37373909; PMCID: PMC10305272.

6. Title: Prophylactic versus Reactive Feeding Approach in Patients Undergoing Adjuvant Radiation Therapy for Oral Cavity Squamous Cell Carcinoma: A Propensity Score Matched-Pair Analysis.

Authors: Ghosh Laskar S, Sinha S, Gupta M, Karmakar S, Nivedha J M, Kannan S, Budrukkar A, Swain M, Kumar A, Gupta T, Murthy V, Chaukar D, Pai P, Chaturvedi P, Pantvaiddya G, Nair D, Nair S, Thiagarajan S, Deshmukh A, Noronha V, Patil V, Joshi A, Prabhash K, Agarwal JP.

Journal: Head Neck. 2023 May;45(5):1226-1236. doi: 10.1002/hed.27336. Epub 2023 Mar 13. PMID: 36912016.

7. Title: Oral Cavity Adjuvant Therapy (OCAT): A Phase III Randomized Controlled Trial of Surgery Followed by Conventional RT (5 fr/wk) Versus Concurrent CT-RT Versus Accelerated RT (6 fr/wk) in Locally Advanced, Resectable Squamous Cell Carcinoma of Oral Cavity.

Authors: Laskar SG, Chaukar D, Deshpande M, Chatterjee A, Sinha S, Chakraborty S, Agarwal JP, Gupta T, Budrukkar A, Murthy V, Pai P, Chaturvedi P, Pantvaiddya G, Deshmukh A, Nair D, Nair S, Prabhash K, Swain M, Kumar A, Noronha V, Patil V, Joshi A, DCruz A.

Journal: Eur J Cancer. 2023 Mar;181:179-187. doi: 10.1016/j.ejca.2022.12.016. Epub 2022 Dec 26. PMID: 36669426.

8. Title: Utilising Alternative Cystoscopic Schedules to Minimise Cost and Patient Burden After Trimodality Therapy for Muscle-Invasive Bladder Cancer.

Authors: Krishnatry R, Maitre P, Kumar A, Telkhade T, Bakshi G, Prakash G, Pal M, Joshi A, Menon S, Murthy V.

Journal: Cancer Med. 2023 May;12(10):11305-11314. doi: 10.1002/cam4.5840. Epub 2023 Mar 25. PMID: 36965102; PMCID: PMC10242324.

9. Title: Diagnostic Performance of Response Assessment FDG-PET/CECT in HNSCC Treated With Definitive Radio(chemo)therapy Using NI-RADS.

Authors: Sonz Paul, Tejpal Gupta, Nilendu Purandare, Kishore Joshi, Sarbani Ghosh-Laskar, Ashwini Budrukhar, Monali Swain, Shwetabh Sinha, Anuj Kumar, Amit Joshi, Kumar Prabhash, Sudhir Nair, Venkatesh Rangarajan, Jai Prakash Agarwal.

Journal: Otolaryngol Head Neck Surg. March 2023.

10. Title: Impact of the First Wave of COVID-19 Pandemic on Radiotherapy Practice at Tata Memorial Centre, Mumbai: A Longitudinal Cohort Study.

Authors: Tibdewal A, Pathak R, Kumar A, Anand S, Ghosh Laskar S, Sarin R, Chopra S, Engineer R, Laskar S, Murthy V, Gupta T, Agarwal JP.

Journal: JCO Glob Oncol. 2022 Jul;8:e2100365. doi: 10.1200/GO.21.00365. PMID: 35802835; PMCID: PMC9296187.

11. Title: Radiation and Radioisotopes for Human Healthcare Applications.

Authors: Sharmila Banerjee, Sandip Basu, Akshay D. Baheti, Suyash Kulkarni, Venkatesh Rangarajan, Prashant Nayak, Vedang Murthy, Anuj Kumar, Sarbani G. Laskar, J. P. Agarwal, Sudeep Gupta, R. A. Badwe.

Journal: Current Science. August 2022.

12. Title: Definitive and Adjuvant Radiation Therapy for External Auditory Canal and Temporal Bone Squamous Cell Carcinomas: Long-Term Outcomes.

Authors: Laskar SG, Sinha S, Pai P, Nair D, Budrukhar A, Swain M, Kumar A, Moiyadi A, Shetty P, Ray V, Johnny C, Murthy V, Gupta T, Menon N, Patil V, Noronha V, Joshi A, Prabhash K, Agarwal JP.

Journal: Radiother Oncol. 2022 May;170:151-158. doi: 10.1016/j.radonc.2022.02.021. Epub 2022 Feb 24. PMID: 35219800.

14. Title: Is Transoral Robotic Surgery (TORS) for Oropharyngeal Squamous Cell Carcinoma Being Done More Often Than Actually Indicated?

Authors: Kumar A, Laskar SG, Thiagarajan S.

Journal: Head Neck. 2021 Apr;43(4):1376-1377. doi: 10.1002/hed.26569. Epub 2020 Dec 9. PMID: 33295681.

15. Title: Mental Health Impact of COVID-19 in Radiation Oncology Health Care Workers of Asian Countries.

Authors: Kumar A, Wadasadawala T, Laskar SG, Gondhowiardjo S, Agarwal JP.

Journal: Clin Oncol (R Coll Radiol). 2021 May;33(5):e243-e244. doi: 10.1016/j.clon.2021.02.007. Epub 2021 Feb 25. PMID: 33676823; PMCID: PMC7904513.

16. Title: Oligometastatic Nasopharyngeal Cancer: Intent and Approach?

Authors: Laskar SG, Kumar A, Sinha S.

Journal: Bengal J Cancer. 2021;1:6-7.

17. Title: Intensification of Adjuvant Treatment in Early Oral Cancers.

Authors: Kumar A, Sinha S, Laskar SG.

Journal: Ann Oncol Res Ther. 2021;1:3-9.

18. Title: Diagnostic Performance of Response Assessment FDG-PET/CECT in HNSCC Treated With Definitive Radio(chemo)therapy Using NI-RADS.

Authors: Sonz Paul, Tejpal Gupta, Nilendu Purandare, Kishore Joshi, Sarbani Ghosh-Laskar, Ashwini Budrukhar, Monali Swain, Shwetabh Sinha, Anuj Kumar, Amit Joshi, Kumar Prabhash, Sudhir Nair, Venkatesh Rangarajan, Jai Prakash Agarwal.

Journal: Otolaryngol Head Neck Surg. March 2023.

19. Title: Multinational Study to Assess Stress Levels Among the Health Care Workers of Radiation Oncology Community at the Outset of the COVID-19 Pandemic.

Authors: Wadasadawala T, Kumar A, Laskar SG, et al.

Journal: CO Glob Oncol. 2021 Apr;7:464-473.

DOI: 10.1200/GO.20.00647. PMID: 33822644; PMCID: PMC8081510.

20. Title: Compliance of Radiotherapy Treatment at a Tertiary Cancer Center in India—A Clinical Audit.

Authors: Khanna, Nehal; Kumar, Anuj; Kataki, Kaushik, et al.

Journal: Indian Journal of Medical and Paediatric Oncology. 43:084-091. doi: 10.1055/s-0042-1742666.

21. Title: Contribution of Tata Memorial Centre, India, to Cervical Cancer Care.

Authors: Kumar, Anuj; Chopra, Supriya; Gupta, Sudeep.

Journal: Indian Journal of Medical Research. August 2021;154(2):319-328. doi: 10.4103/ijmr.IJMR_339_21.

22. Title: Brachytherapy in India: Learning from the Past and Looking into the Future.

Authors: Kumar A, Chopra S, Mahantshetty U, Reddy VA.

Journal: Brachytherapy. 2020 Nov-Dec;19(6):861-873. doi: 10.1016/j.brachy.2020.08.019. Epub 2020 Sep 15. PMID: 32948463.

23. Title: What is the Dosimetric Impact of Isotropic vs Anisotropic Safety Margins for Delineation of the Clinical Target Volume in Breast Brachytherapy?

Authors: Kumar A, Wadasadawala T, Joshi K, Pathak R, Scaria L, Upreti RR, Bhajbhuj R, Shet T, Parmar V, Gupta S, Mokal S, Sarin R.

Journal: Brachytherapy. 2021 Jan-Feb;20(1):155-162. doi: 10.1016/j.brachy.2020.06.019. Epub 2020 Sep 2. PMID: 32888852.