

Motivated individual with an optimistic outlook who strongly believes in accomplishing shared goals in a collaborative environment. Committed to learn and make contributions to the field of new clinical methodologies, advancing techniques, academics and research.

Residency

Tenure	Duration	Institution
1 May 2017- 28 June 2020	3 years 2 months	MD Radiation Oncology, Shri Ram Murti Institute of Medical Sciences, U.P
5 August 2020 - 24 August 2021	1 year	Senior Residency at Shri Ram Murti Institute of Medical Sciences, U.P
30 September 2021- ongoing	1 year 7 months	Senior Residency at Homi Bhabha Cancer Hospital & Research Centre, Vishakhapatnam (unit of TMH Mumbai) Deputation at TMH Mumbai (10 January 2023 - 5 February 2023)

Professional Skills

- Radiotherapy Equipment: True Beam Linear Accelerator, Bhabhatron, HDR Brachytherapy
- Treatment Planning System: Teletherapy Eclipse, Brachytherapy Oncentra
- EBRT Planning: Conventional, 3D-CRT, IMRT, IGRT, VMAT, SBRT, SRS
- Brachytherapy: Image guided brachytherapy - Intracavitary, intraluminal, interstitial
- Chemotherapy & Targeted therapies: Solid malignancies

Honors and Awards

- 2021**
 - Neil Joseph at TMH, Mumbai
 - Guest lecture on “Contouring of Breast Cancer” in MGIMS Wardha training programme
 - Instructor in SRMS Contouring workshops
 - Special appreciation award for academic, research work and contribution towards Institute development by SRMS
- 2020**
 - First prize at ICRO Pro advance webinar series on Radiosurgery
- 2019**
 - Best paper (Dr MS Gujral) at AROICON
 - Consolation Prize in paper presentation at UP Cardiological Society State Chapter Conference
 - Second prize in Quiz at Annual precision Oncology and International Breast Cancer Conference
 - First prize in Oral paper Presentation in “5th Medicine Update”
 - Tutor in SRMS workshops on “Contouring of Head and Neck, thoracic & pelvic Malignancies”
 - Special Appreciation Award for promotion of research and development by SRMS

2018 o First Prize in Quiz at UPAROICON

Research Experience

Oral Presentations

- 2021 o Intensive Care in Cancer Patients- A pilot study of one year – PULMOCRIT, Jim Corbett
- 2019 o Dosimetric assessment of heart in patients with left sided Carcinoma breast with adjuvant radiotherapy after Modified Radical Mastectomy patients - CARDIOCON
- o Comparison of Dosimetric parameters of 3DCRT and IMRT in Carcinoma Breast patients undergoing adjuvant radiotherapy after Modified Radical Mastectomy- AROICON
- o Radiation induced Cardiotoxicity- Is IMRT better than 3DCRT to reduce the risk? –5th Medicine Update
- 2018 o Comparison of Dosimetric parameters of 3DCRT and IMRT in Carcinoma Breast patients undergoing adjuvant radiotherapy after modified Radical Mastectomy”- an interim analysis 30th UP chapter

Posters

- 2021 o “Incidental radiation to internal mammary nodes in breast cancer- comparison of conformal techniques” in ESTRO 2021
- 2019 o “Post operative Radiotherapy in Cancer Breast- Comparison of Dosimetric parameters of two different radiotherapy techniques” at 3rd Annual precision Oncology and International Breast Cancer Conference”

Publications

Abstract

Mehta A, Kumar P, Gupta R, Garg A, Aggarwal S. Time to review the role of Intraluminal Brachytherapy in Carcinoma Esophagus- A retrospective audit. *Journal of Clinical Oncology* May 2021

Original Research Articles

Mehta A, Kumar P, Navitha S. “Alopecia and Neurocognitive dysfunction in Glioblastoma multiforme patients- Prevention feasibility by dosimetric analysis in conformal radiotherapy techniques” *Indian Journal of Pathology and Oncology* 2021;8(2):248–53

Mehta A, Kumar P, Silambarasan NS, Navitha S, Nigam J, Kumar P, Chauhan A. “Comparison of Dosimetric Parameters Of 3-Dimensional Conformal Radiotherapy and Intensity Modulated Radiotherapy in Cancer Breast Patients Undergoing Adjuvant Radiotherapy after Modified Radical Mastectomy” *Asian Journal of Oncology*. May 2021; ISSN 2454-6798

Mehta A, Kumar P, Nigam J, Silambarasan NS, Navitha S, Kumar A, Kumar P. “Dosimetric Assessment of Heart in Cancer Esophagus patients treated by Chemoradiation - A retrospective analysis” *Journal of Current Oncology* 2020;3(1):17-24

Mehta A, Kumar P, Silambarasan NS, Navitha S, Nigam J, Kumar P, Chauhan A. “Dosimetric Parameters of Heart and Left Ventricle – Comparison Of 3DCRT and IMRT In Left Cancer Breast” International Journal of Medical Research and Review, 2019;7(6): 468-74.

Gupta N, Kumar P, Kumar P, Navitha S, Mehta A, Chauhan A. Conformal radiotherapy plans for palliative bone metastasis - Comparison of Dosimetric parameters; International Journal of Medical Research and Review, 2019; 8(3):228-33

Shavarna A, Mehta A, Silambarasan N.S., Kumar P. Dosimetric comparison of radiotherapy treatment plans done by IMRT and VMAT technique in head and neck cancer patients; International Journal of Medical Research and Review 2021; 9(3), 167-71

Chaturvedi D, Mehta A, Kumar P, Set up errors in Brain tumours – A retrospective study to review the current practice of PTV margins in the institution. Int J Med Res Rev. 2022;10(1):40-4

Azharuddin S, Kumar P, Navitha S , Chauhan A, Kumar P, Nigam J, Mehta A. Comparison of Dosimetric Parameters and Clinical Outcomes in Inversely Planned Intensity-Modulated Radiotherapy (IMRT) and Field-in-Field Forward Planned IMRT for the Treatment of Breast Cancer. Cureus 2022; 14(7)

Review article

Kumar P, Mehta A. “Esophageal Cancer: Treatment Challenges and Controversies” Journal of Current Oncology 2021;4:41-8

Book Chapter

Mehta A, Hajare R, Bhalavat R, Shrivastava S, Mahantshetty U. in the Book Radiation Oncology- Principles, precepts and practice (*in publishing process*)

Kumar P, Mehta A. “Introduction to Gynecological malignancies” in the Book “A Handbook for postgraduates” 2021

Thesis

Comparison of Dosimetric Parameters Of 3-Dimensional Conformal Radiotherapy and Intensity Modulated Radiotherapy in Cancer Breast Patients Undergoing Adjuvant Radiotherapy after Modified Radical Mastectomy

Professional Memberships

- American Society of Clinical Oncology
- Indian Association of Palliative Care
- Association of Radiation Oncologists of India
- Indian Brachytherapy Society

Courses Attended

- AROI ESTRO course Kolkata 2019
- 34th ICRO PG Teaching Course webinar on Genitourinary Malignancies, 2020
- ICRO Proadvance 2020 – Radiosurgery Master Class Webinar Series

- 30th ICRO PG teaching course on Medical Physics, Jaipur, 2018
- Course in Essentials of Palliative care, Indian Association of Palliative care, Bareilly, 2018
- 10th AROI - ICRO Radiobiology Training Course, Amritsar, 2019

References

- [Dr. Umesh Mahantshetty](#), Professor & Director, HBCH&RC, Vishakhapatnam, drumeshm@gmail.com
- [Dr Piyush Kumar](#), Professor & Head, SRMS, Bareilly, piykumagr@gmail.com
- [Dr. Mrinalini Verma](#), Assistant Professor, KGMU, Lucknow, drmrinalini79@gmail.com