

CURRICULAM VITAE

Name : **Dr. Rohini Khurana MD**
Qualification : **MD (Radiotherapy)** - King George's Medical University, Lucknow. (2001- 2004)
M.B.B.S - King George's Medical University, Lucknow. (2001- 2004)
DOB : 15th January 1974
Sex : Female
Father's Name : Dr. M.L. Khurana
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PRESENT DESIGNATION :-

- **Professor** – Department of Radiation Oncology, RMLIMS, Lucknow (01.07.2020- till date).

PROFESSIONAL EXPERIENCES

1. **Professor Jr.** – Department of Radiation oncology, RMLIMS. Lucknow. (06.02.2016-30.06.2020)
2. **Associate professor**- Department of Radiation oncology, RMLIMS. Lucknow (06.02. 2013- 05.02.2016)
3. **Assistant professor** – Department of Radiation oncology, RMLIMS. Lucknow (06.02. 2010-05.02.2013)
4. **Pool Officer (SRA)** – Department of Radiotherapy, Sanjay Gandhi Post Graduate Institute of Medical Sciences August 2007 to February 2010
5. **Senior Resident-** Department of Radiotherapy, SGPGIMS. Lucknow. July 2004-June 2007
6. **Junior Resident-** Department of Radiotherapy, KGMC. Lucknow. 2001-2004

National Level Awards:

1. **Best research award in clinical research category during research showcase of Dr RMLIMS 2021**
2. **SMT. PARWATI DEVI GOLD MEDAL (Best paper award)** at 28th Annual Conference of Association of Radiation Oncologists of India ,December 2006, BHU, Varanasi

3. **Dr. G.C. PANT (Best paper award)** at 30th Annual Conference of Association of Radiation Oncologists of India, December 2008, Mumbai

State Level Awards:

1. **Best paper award** at 19th UP Chapter Association of Radiation Oncologists of India, November 2006, Allahabad
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Fellowships

1. Awarded **Neal & Joseph Fellowship for the Year 2005-06** By Association Of Radiation Oncologists of India. (Completed at AIIMS, New Delhi in July 2007)
2. Awarded **GC Pant Fellowship for the Year 2008-09** By Association Of Radiation Oncologists of India. (Completed at AIIMS, New Delhi in July 2009)
3. Awarded **AROI Fellowship (>40 years) for the Year 2014** By Association Of Radiation Oncologists of India at Imphal, Manipur. (Completed at Fortis, Gurgaon in May 2016)
4. Advanced training in IMRT/VMAT/IGRT techniques at University medical centre Mannheim, Germany in November 2013

Papers published: 19 International

<u>Citation indices</u>	All	Since 2011
<u>Citations</u>	107	96
<u>h-index</u>	5	5
<u>i10-index</u>	4	4

PAPERS PUBLISHED

- 1) **Khurana R***, Rath S, Singh HB, Husain N. Correlation of Molecular Markers in High Grade Gliomas with Response to Chemo-Radiation. Asian Pac J Cancer Prev, 21 (3), 755-76

- 2) Rath S, **Khurana R***, Sapru S. Evaluation of purely accelerated six fractions per week radiotherapy in postoperative oral cavity squamous cell carcinoma. *Asia-Pac J Clin Oncol*. 2019; 1–9.
- 3) Singh HB, **Khurana R***, Rastogi M. Assessment and Results of Early Active Nutritional Interventions during Radiotherapy with or Without Chemotherapy of Head-and-Neck Cancer. *Oncol J India* 2019;3:54-8.
- 4) Prabha Verma, **Rohini Khurana**, Sambit S. Nanda, Satyajeet Rath. Recurrent myxoid chondrosarcoma of mandible: A case report. *Journal of Clinical and Diagnostic Research*. 2021 Apr, Vol-15(4): XD01-XD02
- 5) Gautam M, Singh UP, **Khurana R***. An Anthropological Study of Socio Economic Factors Associated with Cervical Cancer Patients at a tertiary care centre in Northern India accepted by *Journal of Anthropology and Human Genetics* 2020;39(1).{accepted}
- 6) **Khurana R**, Verma M , Swain PK, Bhatia VL, Dabadghav P, Behari S, Banerji D, Kumar S. An audit of conventional radiotherapy in the management of pituitary adenoma , *J Radiat Cancer Res* 2016; 7:117-21.
- 7) **Khurana R**, Deswal S, Chandraprakash. cisplatin induced renal insufficiency measured by glomerular filtration rate with ^{99m}Tc- DTPA and by using serum creatinine based formulae : A prospective study *Journal of Clinical and Diagnostic Research* 2016; 10(12): XC05-XC07
- 8) **Rohini Khurana**, Akshyaya Pradhan, Sandip Barik, Kamal Sahni, Variation In Mean Heart Dose By Treatment Plan Optimization During Radiotherapy For Left Sided Breast Cancer. *International Journal of Scientific and Research Publications*, 2016; 6: 18-26
- 9) Akshyaya Pradhan, **Rohini Khurana**, Abhishek Singh, Vijayant Devenraj, Jyoti Bajpai, M. L. B. Bhatt, Sanjay Mehrotra, Study On The Role Of NT-pro-BNP (Brain Natriuretic Peptide) And Troponin I In The Detection Of Anthracycline Induced Cardiotoxicity. *International Journal of Scientific and Research Publications*, 2016; 6(6): 749-757
- 10) Mishra R, **Khurana R**, Mishra H, Rastogi M, Hadi R. .Retrospective analysis of efficacy and toxicity of hypofractionated radiotherapy in breast carcinoma. *Journal of Clinical and Diagnostic Research*. 2016 Aug, Vol-10(8): XC01-XC03
- 11) Nanda SS, **Khurana R**. Dose escalation with fractionated radiosurgery in oligometastasis brain with controlled extracranial disease: improved progression free survival outcome.*JMSCR* 2016;04:10033-8 (impact factor 5.2)

- 12) **Khurana R**, Mishra H. , Malhotra K.P. Carcinoma of the oesophagus, with multiple cutaneous metastases, BMJ Case Rep Published Online: casereports.bmj.com/9.9.2015/bcr-2015-211653
- 13) Azam M, **Khurana R**, Gupta A. An unusual case of pleomorphic rhabdomyosarcoma of shoulder in an adult patient. Clin Cancer Investig J 2016;5:274-7.
- 14) **Khurana R**, Azam M. An unusual case of solitary parotid metastasis from early stage breast carcinoma. Clin Cancer Investig J 2016;5:250-2.
- 15) Madhup Rastogi, **Rohini Khurana**, Role of Benzylamine Hydrochloride in the prevention of Oral mucositis in head and neck cancer patients treated with radiotherapy (>50Gy) with or without Chemotherapy, Support Care Cancer 2017; 25(5): 1439-43.
- 16) Yadav M, Budhalakoti I, Mishra A, **Khurana R**. Quality of Life among Cancer Patients IJIP 2016;3:21-2
- 17) **Khurana R**, Mishra H, Rastogi M et al. Unusual Presentation and Survival of Malignant Melanoma in Young Adult with Lymph Node, Lung, Liver, Brain, Bone and Adrenal Gland Metastases. JMSCR 2015;03:10
- 18) Manjulika Gautam, Udai Pratap Singh, **Rohini Khurana**, An Anthropological Study of Socio Economic Factors Associated with Cervical Cancer Patients at a tertiary care centre in Northern India, Journal of Anthropology and Human Genetics, 2019
- 19) Shaleen Kumar, Kislay Dimri, **Rohini Khurana**, A randomised trial of radiotherapy compared with cisplatin chemoradiotherapy in patients with unresectable squamous cell cancer of the esophagus Radiotherapy and Oncology, May 2007 Volume 83, Issue 2, Pages 139–147
- 20) Madhup Rastogi , Shantanu Sapru , Pooja Gupta , Ajeet Kumar Gandhi , Surendra P. Mishra Anoop K. Srivastava, **Rohini Khurana**, Prospective evaluation of Intensity Modulated Radiation Therapy with Simultaneous Integrated Boost (IMRT-SIB) in head and neck squamous cell carcinoma in patients not suitable for chemo-radiotherapy. Oral Oncology 67 (2017) 10–16.
- 21) Harikesh B Singh, Ajeet Kumar Gandhi, Shantanu Sapru, **Rohini Khurana**. Study of Volumetric Modulated Arc Therapy (VMAT) vs 3-dimensional conformal radiotherapy (3D-CRT) in Post-operative High-grade Glioma: A dosimetric comparison. Iranian Journal of Medical Physics. 2019

- 22) Sambit Swarup Nanda, Ajeet Kumar Gandhi, Madhup Rastogi, **Rohini Khurana**. Evaluation of XRCC1 Gene Polymorphism as a Biomarker in Head and Neck Cancer Patients Undergoing Chemoradiation Therapy. *Int J Radiation Oncol Biol Phys*, Vol. 101, No. 3, pp. 593e601, 2018.
- 23) Mohammad Azam, Satyajeet Rath, **Rohini Khurana**, Saumya Shukla, Ruhi Parween. Rare case of subependymal giant cell astrocytoma without clinical features of tuberous sclerosis: Case report and literature review. *Prec. Radiat. Oncol.* 2017;1:108–112.
- 24) Agrawal A, Hadi R, Rath S, Bharati A, Rastogi M, Khurana R, et al. Dosimetric comparison of 3-dimensional conformal radiotherapy (3D-CRT) and volumetric-modulated arc therapy (VMAT) in locally advanced cancer cervix. *Journal of Radiotherapy in Practice* 2020;:1–8.
- 25) Rath S, Gandhi AK, Rastogi M, Khurana R, Hadi R, Singh HB, Nanda SS, Azam M, Srivastava A, Bharati A, Mishra SP. Patterns of failure and clinical outcomes of post-operative buccal mucosa cancers treated with adjuvant ipsilateral radiotherapy. *Radiat Oncol J.* 2020 Sep;38(3):189-197. doi: 10.3857/roj.2020.00458. Epub 2020 Sep 9. PMID: 33012147; PMCID: PMC7533397.
- 26) Evaluation of dosimetric implications of Pareto and constrained mode of optimization for Monaco TPS generated VMAT plans in post operated carcinoma of the left breast Srivastava, Anoop Kumar; Avinav Bharati; Rastogi, Madhup; Surendra Prasad Mishra; **Khurana Rohini**; et al. *Polish Journal of Medical Physics and Engineering; Warsaw Vol. 27, Iss. 1, (2021): 11-18. DOI:10.2478/pjmpe-2021-0002*
- 27) Evaluation of clinical implications in the use of dose to water versus dose to medium by using NTCP and TCP models for urinary bladder tumours. Avinav Bharati; Mandal, Susama R; Srivastava, Anoop K; Rastogi, Madhup; Khurana, Rohini; et al. *Polish Journal of Medical Physics and Engineering; Warsaw Vol. 27, Iss. 1, (2021): 19-24.*
- 28) Rastogi, M., Gandhi, A. K., Tiwari, R., Nanda, S. S., Rath, S., **Khurana, R.**, Hadi, R., Sapru, S., Srivastava, A., & Dalela, D. (2020). Prospective evaluation of definitive chemoradiotherapy with volumetric modulated arc therapy in patients with muscle invasive carcinoma of urinary bladder. *Contemporary oncology (Poznan, Poland)*, 24(3), 177–182. <https://doi.org/10.5114/wo.2020.100275>

- 29) Umar M, Upadhyay R, **Khurana R**, Kumar S, Ghoshal UC, Mittal B. Role of p53 and p73 genes polymorphisms in susceptibility to esophageal cancer: a case control study in a northern Indian population *Mol Biol Rep* (2012) 39:1153–1162
- 30) Upadhyay R, **Khurana R**, Kumar S, Ghoshal UC, Mittal B. Role of Survivin gene promoter polymorphism (-31G>C) in susceptibility and survival of esophageal cancer in northern India. *Ann Surg Oncol* 2011; 18:880-1
- 31) Umar M, Upadhyay R, **Khurana R**, Kumar S, Ghoshal UC, Mittal. Evaluation of MTRFR677C>T polymorphism in prediction and prognosis of esophageal squamous cell carcinoma: a case-control study in a northern Indian population under peer review by *Nutrition and Cancer: An international journal* *Nutrition and Cancer* 62(6):743-9 · July 2010
- 32) Lal P, Bajpai R, **Khurana R** et al Changes in salivary flow rates in head and neck cancer after chemoradiotherapy *J Cancer Res Ther*, March 2010; Volume 6 458-462
- 33) **Khurana R**, Singh S: Isolated Cutaneous Metastasis to Thigh from Cancer Cervix - Fourteen Years after Curative Radiotherapy. *The Internet Journal of Gynecology and Obstetrics*. 2009 Volume 11 Number 1
- 34) Kumar S, Dimri K, **Khurana R** et al .A randomized trial of radiotherapy compared with cisplatin chemo-radiotherapy in patients with unresectable squamous cell cancer of the esophagus. *Radiotherapy and Oncology* (May 2007); Volume 83 Issue 2: 139-147.
- 35) **Khurana R**, Dimri K, Lal P, et al Factors influencing the development of ulcers and strictures in carcinoma of the esophagus treated with radiotherapy with or without concurrent chemotherapy *J Cancer Res Ther*, March 2007; Volume 3 Issue 1:2-7.
- 36) Datta NR, **Khurana R**, Kumar P. An Update on Preventive and Therapeutic Approaches in Cancer Cervix; *Journal of Allahabad Medical Association*; vol 16, issue 2, 2005; pp44-49.
- 37) Prospective evaluation of definitive chemoradiotherapy with volumetric modulated arc therapy in patients with muscle invasive carcinoma of urinary bladder. *Contemp Oncol (Pozn)* 2020; 24 (3): 177–182 (contribution in data collection)

- 38) Evaluation of the effect of random setup errors on dose delivery in Intensity Modulated Radiotherapy. Avinav Bharati, Susama Rani Mandal, Anoop Kumar Srivastava, Madhup Rastogi, **Rohini Khurana**. Pol J Med Phys Eng 2020;26(1):55-60(contribution in data collection)
- 39) Beliefs, Perceptions and Barriers related to Cancer among Gynecologic Cervical Cancer (CaCx) Patients in Uttar Pradesh, India Manjulika Gautam*, Udai Pratap Singh** and **Rohini Khurana*****(contribution in data collection and manuscript)
- 40) Impact of Vitamin C intake on the Quality of Life in Head and Neck Cancer Patients of North India Manjulika Gautam*1, Prof. Udai Pratap Singh , **Dr. Rohini Khurana** , Anju Pandey4. Engineering and Scientific International Journal (ESIJ) ISSN 2394-7187(Online) Volume 7, Issue 3, July – September 2020(contribution in data collection)

Abstracts Published in Indexed Journals:-

1. H. Mishra, **R.Khurana**, R. Mishra et al An audit of colorectal carcinoma at a tertiary cancer Centre. JCRT s1- 2015-volume11 S30 (Impact Factor 0.094)

2. R. Mishra, I. Jaiswal, **R Khurana**, S. Sapru, R. Hadi, M.Rastogi, K.Sahni. Audit of gliomas at a tertiary centre: a retrospective analysis. JCRT sup 1-2015-volume11 S8 (Impact Factor 0.094)

3. **Rohini Khurana**, Ritusha Mishra, Madhup Rastogi, Rahat Hadi, MLB Bhatt. Retrospective analysis of efficacy and toxicity of hypofractionated radiotherapy in breast cancer. Abstract published in JCRT (s1) 2014-volume10 S3 (Impact Factor 0.094)

4. A. Agrawal, P. Gupta, **R. Khurana**, R. Hadi, S.P.Mishra Rectal dose during HDR brachytherapy for cervical cancer: retractor or gauze packing alone? JCRT suppl 1-2015-volume1 (Impact Factor 0.094)

5. I. Jaiswal, **R. Khurana**, M. Rastogi, K. Sahni, R. Hadi, S. Sapru, S.P. Mishra Evaluation of efficacy and toxicity in head and neck cancer patients treated with volumetric intensity modulated arc therapy versus conventional intensity modulated radiation therapy. JCRT suppl 1-2015-volume11 S64 (Impact Factor 0.094)

6. **Rohini Khurana**, Vijaylakshmi Bhatia, Nisha R. S., Preeti Dabadghav, Sanjay Behari, Shaleen Kumar. An audit of conventional radiotherapy in the management of pituitary adenoma: abstract published in J Cancer Res Ther supplement 1,December 2008 ; volume 4:S2

7. Isha Jaiswal, **Rohini Khurana**, Madhup Rastogi, M.L.B. Bhatt, Mishra S. P. Implementation of Lung SBRT treatment using four dimensional cone beam CT verification for target mapping; a preliminary evaluation. Abstract published in JCRT(s1) 2014-volume11 S39 (Impact Factor 0.094)

8. Pooja Gupta, Shajah, **Rohini Khurana**, Madhup Rastogi, M.L.B. Bhatt, Mishra S. P. Cranio-spinal irradiation in medulloblastoma with three-isocenter IMRT planning : An analysis based on dosimetric indices. Abstract published in JCRT(s1) 2014-volume10 S65 (Impact Factor 0.094)

9. A. Agrawal, P. Gupta, M. Rastogi, **R. Khurana**, R. Hadi, S.P.Mishra. Rectal dose during HDR brachytherapy for cervical cancer ; Retractor or gauze packing alone? Abstract published in JCRT(s1) 2014-volume11 S46 (Impact Factor 0.094)

10. P. Gupta, R. Hadi, M.Azam, S.Rath, M.Ali, **R.Khurana**, M.Rastogi, A.Srivastava. Dosimetric analysis of target volume coverage in point based intracavitary brachytherapy in carcinoma cervix; A single institute study. Abstract published in JCRT(s1) 2014-volume11 S48 (Impact Factor 0.094)

11. S.S.Nanda, K.Sahni, M. Rastogi, **R. Khurana**, R. Hadi, S.P. Mishra. Evaluation of XRCC 1 gene polymorphism as a biomarker in head and neck cancer patient undergoing chemoradiotherapy. Abstract published in JCRT(s1) 2014-volume11 S63 (Impact Factor 0.094)

12. P.Gupta, M. Rastogi, K. Sahni, **R. Khurana**, R. Hadi, S.P. Mishra, S. Sapru, A. Srivastava. Study of toxicity assessment of intensity modulated radiation therapy with simultaneously integrated boost in head and neck squamous cell carcinoma. Abstract published in JCRT(s1) 2014-volume11 S65 (Impact Factor 0.094)

13. S. Rath, **R. Khurana**, S. Sapru, R. Hadi, M. Rastogi, K. Sahni. An audit of adjuvant radiotherapy in post-operative squamous cell carcinoma of oral cavity; a single institutional experience. Abstract published in JCRT (s1) 2014-volume11 S83 (Impact Factor 0.094)

SN	Topics of Thesis Guided MD Radiotherapy	YEAR
	<p><u>Chief Investigator for 7 M.D. Thesis (4 completed, 2 ongoing)</u> Dr. Rohini Khurana MD 10</p> <ol style="list-style-type: none"> 1. Study of Purely Accelerated 6 Fraction Per Week Radiotherapy in Post-Operative Oral Cavity Squamous Cell Carcinoma. [2016] 2014 2. To evaluate the efficacy and late toxicity of Intensity Modulated Radiotherapy (IMRT) with Simultaneous Integrated Boost (SIB) technique for head and neck squamous cell carcinomas IHNSCC. [2014] 2015 3. To evaluate the efficacy and toxicity of Intensity Modulated Radiotherapy (IMRT) with Simultaneous Integrated Boost (SIB) technique for post op head and neck squamous cell carcinomas IHNSCC. [2014] 2018 4. Dosimetric comparison of simultaneous integrated boost with intensity modulated radiotherapy (SIB-IMRT) versus three-dimensional conformal radiotherapy (3D-CRT) in breast conservation therapy. [2018] 2019 5. A Prospective Interventional Study to Evaluate the Acute Toxicity of Definitive Chemoradiation with Volumetric Modulated Arc Therapy (VMAT) In Squamous Cell Carcinoma Of middle third Esophagus. 2020 6. Prospective evaluation of the efficacy of Neoadjuvant chemotherapy followed by Hypofractionated radiotherapy in inoperable oral cavity squamous cell carcinoma 2020 7. A Prospective Assessment of Toxicity of Prophylactic Extended-Field Irradiation with Concurrent Chemotherapy for FIGO 2018 Stage IIIB and IIIC₁ Cervical Cancer using Intensity Modulated Radiotherapy technique <p><u>Co-investigator for 21 MD thesis</u></p> <ol style="list-style-type: none"> 1.Evaluation of Efficacy & Toxicity in Head and Neck Cancer Patients Treated with Volumetric Intensity Modulated ARC Therapy (VMAT) vs. Conventional Intensity Modulated Radiation Therapy (IMRT) 2013 2 Evaluation of XRCC 1GENE Expression as a Biomarker in head and Neck Cancer Patient Undergoing Chemo Radiotherapy 2013 3. Study of Toxicity Assessment of Intensity Modulated Radiation Therapy (IMRT) with Simultaneously Integrated Boost (SIB) Technique for Head and Neck Squamous Cell Carcinoma (HNSCC) 2013 4. Role of Volumetric Modulated Arc-based Intensity Modulated Therapy (VMAT) with with concurrent chemotherapy in muscle invasive bladder cancer as an organ preservation modality 2013 5. Phase I/II study of toxicity of intensity modulated Radiotherapy (IMRT) in post-operative of carcinoma cervix. 2015 6. Dosimetric Comparing of volumetric modulated Arc Therapy (VMAT) and 3-Dimensional Conformal Radiotherapy (3D-CRT) in High Grade Glioma. 2015 	

8. Invited Lectures / Orations/Chairperson :-

SN	Title	POSTER/ PLATFORM/ LECTURE/CME	CONFERENCE	YEAR	VENUE
1.	Contouring Guideline for Whole Breast, Chest wall and Regional node	Speaker	Updates in Breast Malignancy	23 rd Feb 2020	MPMMCC & HBCH Varanasi
2.	Factors associated with lymphedema in women with node-positive breast cancer treated with NACT and axillary dissection	Speaker	Multi-disciplinary Breast Cancer Management: An Update	22 nd Feb 2020	SGPGIMS Lucknow
3.	PEDIATRICS – Talks and poster presentation correlation of molecular markers in GBM	Chair Person Poster presentation	41st AROICON 2019	29 th November to 1 st December 2019	Gujarat University Ahmedabad
4.	Quiz	Moderator	31 st UPAROICON	5 th -6 th October, 2019,	SGPGI, Lucknow.
5.	Basic Principles and Challenges in Paediatric Radiotherapy and Chemotherapy	Faculty	33rd AROI-ICRO SUN Teaching Course on Paediatric Malignancies	12-13 October, 2019.	RMLIMS, Lucknow
6.	Advance Breast Cancer	Panelist	CME on Contemporary Breast Cancer Management and Practices	4 th August 2019	SGPGI , Lucknow
7	Is Axillary Radiation after Adequate Dissection with High Risk Features Needed	Debate	Updates in Breast Malignancy	23rd Feb 2020	MPMMCC & HBCH Varanasi
8	Importance of multidisciplinary team in management of locally advanced NSCLC	Panelist	NALCCON	2019	Lucknow
9	Emerging Paradigms in precision Radiotherapy and Oncology	Joint Organizing Secretary & Treasurer	27 th AROI UPCON 2016	2016	Lucknow
10	Management of locally advanced breast cancer	Chair Person	SGPGI Breast Course 2016	2016	SGPGI
11	Lymphedema care symposium on symptom management in palliative cancer care	Faculty		2016	SGPGI
12	Lymphedema workshop	Course convener	SGPGI Breast Course 2018 and BRASCON	2018	SGPGIMS
13	Retrospective analysis of efficacy and toxicity of hypofractionated radiotherapy in breast carcinoma	Presenter	38 th AROICON	2016	Bhubaneswar
14	Management of locally advanced carcinoma prostate	Panelist	URO-ONCOCON 28th-29th April	2018	KGMU, Lucknow
15	Early laryngeal carcinoma management options	Panelist	Awadh head and neck oncology summit	13th-14th April, 2019	Lucknow
16	Quiz coordinator	Quiz coordinator	29 th UPAROI 2017	14-15 th October 2017	Royal cancer institute , Kanpur
17	Correlation of Molecular Markers in High Grade Gliomas with Response to	Poster presentation	3rd FARO Meeting 2018,	6th – 8th September 2018	Bali, Indonesia

	Chemo-Radiation.				
18	Psycho-social issues during follow up	Speaker	Follow-up of cancer patients-how and how often	19 th August 2018	SGPGIMS, Lucknow
19	Toxicity of SIB-IMRT in post-operative oral cavity cancer	Presenter (abstract accepted)	ASTRO annual meeting	25-28 October 2020	Miami Beach, Florida
20	International webinar on Nutrivigilance	Moderator	Live webinar	18 th May 2020	18 to 19.30
21	NSCLC	Panelist in discussion on	NAAL CON 2019	14 th December	KGMU
22	Cost benefit therapies in ca lung	Chairperson	foundation day of RT deptt., KGMU	16 th Decem 2019	KGMU
SN	CME/Workshop	Duration	Year	Remarks	
23	Participated and delivered lecture during RS-RTT	15-20 April	2013	RMLIMS Lucknow	
24	“Oncology Meet (Lucknow Oncology Group)” at command hospital	05 May	2013	Lucknow	
25	At Mannheim, Germany for VMAT IMRT clinical training and observation program	22 th – 30 th November	2013	Mannheim Heidelberg University Germany	
26	Attended CME on update on bioethics	31 st May	2014	SGPGI	
27	Attended and presented a paper on Dose escalation with stereotactic radiotherapy in multiple brain metastases at ISNOCON	1 ST - 2 ND November	2014	Lucknow	
28	Presented a paper on Retrospective analysis of efficacy and toxicity of hypo fractionated radiotherapy in breast cancer 36th Annual Conference of Association Oncologists if India AROICON	6 th – 9 th November	2014	IMPHAL	
29	ICRO CME on Brachytherapy	6 th -9 th November	2014	IMPHAL	
30	Attended and invited as speaker on challenges in management of bedridden patients at symposium in management of palliative care	13 th December	2014	SGPGI Lucknow	
31	Completion of fellowship awarded to Dr Rohini Khurana AROICON 2014	16.05.2016-21.05.2016		Fortis Gurgaon	
32	Attended a workshop on clinical audits	December	2014	SGPGIMS	
33	Attended Basic course workshop in <i>Medical Education Technology</i> organized by MEU	30 th April – 2 nd May	2015	KGMU, Lucknow	
34	Presentation on Management of Carcinoma Rectum scientific symposium organized by Department of Gastroscopy	6thAugust2015		RMLIMS	

35	Attended and panellist in symposium on trastuzumab for management of HER+ breast cancer.	November	2015	Lucknow	
36	37 th Annual Conference of Association of Radiation Oncology of India	26 th –29 th November	2015	Lucknow	
37	Management of early breast cancer symposium on management of carcinoma breast	6 th October Panelist	2015	Lucknow	
38	MOSAIQ Workshop “The way to go in radiation therapy”	5-6 th March	2016	Fortis Gurgaon	
39	Management of locally advanced breast cancer in SGPGI Breast Course 2016 as chair person	13 th – 14 th February	2016	SGPGI	

a) Papers presented

1. Toxicity Results of Purely Accelerated Radiotherapy In Post-operative Oral Cavity Carcinoma: A Prospective Study. poster presented in research showcase on 1st foundation day of RMLIMS. Presenter
2. Correlation of Molecular Markers in High Grade Gliomas with Response to Chemo-Radiation. poster presented in research showcase on 1st foundation day of RMLIMS. Presenter
3. Online class under Aegis of UPAROI on Carcinoma Breast Radiotherapy post mastectomy on 27 September 2020. Presenter
4. Attended and presented a paper on Dose escalation with stereotactic radiotherapy in multiple brain metastases at ISNOCON 2015 ON 1ST AND 2ND November 2014 at Lucknow.
5. Presented excellent proffered paper on Retrospective analysis of efficacy and toxicity of hypofractionated radiotherapy in breast cancer AROICON 2014, Imphal.
6. Attended Basic course workshop in **Medical Education Technology** organized by MEU on 30th June – 1st May, 2015 at KGMU, Lucknow.
7. Attended and invited as speaker on challenges in management of bedridden patients at symposium in management of palliative care at SGPGI Lucknow.
8. Attended CME on update on bioethics on 31st May 2014 at SGPGI.
9. Attended and panelist in symposium on trastuzumab for management of HER+ breast cancer.

Scientific Reviewer Panel for Journals

- 1) Nature
- 2) Oral oncology by Elsevier
- 3) Journal of Cancer Research and Therapeutics by Medknow
- 4) Journal of Clinical Pharmacy and Therapeutics by ScholrOne
- 5) International Research Journal of Public and Environmental Health
- 6) Clinical Lymphoma, Myeloma & Leukemia by Elsevier
- 7) BMJ Case Reports
- 8) Critical Reviews in Oncology/Hematology by Elsevier
- 9) International Journal of Immunopathology and Pharmacology
- 10) BMC Cancer by BioMed Central
- 11) Journal of Radiology & Radiation Therapy by JSciMed Central
- 12) World Journal of Surgical Oncology by BioMed Central
- 13) Journal of Clinical Case Reports and Case Studies by NorCal Open Access Publicatio
- 14) The Breast by Elsevier's
- 15) Head and Neck by Wiley.

Projects:

1. CSIR project as SRA titled IMRT in cervical esophagus
2. Intramural project titled: Assessment of Cisplatin associated nephrotoxicity in cancer patient
3. Intramural project titled: Correlation study of Histological and Molecular Diagnosis in Adult Glioblastoma Multiformes patients.

Training

1. Mannheim, Germany for VMAT IMRT
2. Basic course workshop in medical education technologies, April30-May 2, KGMU
3. Paperless work flow workshop at Fortis, Gurgaon
4. Fellowship in newer RT technologies completed at Fortis, Gurgaon in May 2016
5. Faculty Development Programme on Introductory Course on Research Methodology and Biostatistics” on 8th and 9th November 2019
6. Course on Critical Care of COVID patients 11-13 May 2021 at Dr RMLIMS
7. 2nd ESTRO-AROI GYN teaching course 3D Radiotherapy with a special emphasis on implementation of MRI / CT based Brachytherapy in cervical cancer, RMLIMS, Lucknow, 2018.

Academic activities:

1. Recognition as Post Graduate Teacher by KGMU in May 2016
2. Completed basic course in biomedical research through Swayam portal, ICMR certified.
3. Appointed as examiner for evaluation of the M.D./M.S. thesis for MJP Rohilkhand University, Bareilly, February 2019
4. Examiner for Final examination of Diploma in Radiotherapy course, March 2019
5. External Examiner for M.D. Radiotherapy, 12 November2016 at SGPGIMS, Lucknow
6. External Examiner for M.D. Radiotherapy, May 2020 at SGPGIMS, Lucknow
7. Faculty in module on “Attitude, Ethics and Communication” under Resident Development Program.
8. Regular attendance of clinical grand round held every week at RMLIMS
9. Faculty for MBBS foundation course, phase-1 2019-20, 2020-21
10. OSCE workshop for DNB radiotherapy, New Delhi, February, 2021
11. DNB Radiotherapy resource person
12. Invited member of board of studies at SGPGI and KGMC and member secretary of board of studies at Dr RMLIMS

AREAS OF INTEREST

- Radiotherapy of carcinoma breast,
- Head and neck cancers
- Carcinoma Esophagus
- Brain tumours
- Supportive care and screening clinics

MEMBERSHIP OF PROFESSIONAL SOCIETIES/BODIES/ASSOCIATIONS

SN	STATUS	NAME	DATE OF MEMBERSHIP
1	Life member	Association Of Radiation Oncologists of India LM # 814	2004
2	Life member	Association Of Radiation Oncologists of India, UP Chapter	2004
3	Life Member	Indian College of Radiation Oncology LM # 077	2014
4	Member	European society for Therapeutic Radiation Oncology	2017-2019
5	Member	American Society for Therapeutic Radiation Oncology	2019 till date

SN	TITLE	DURATION	FUNDING AGENCY
1.	Palliation of dysphagia due to carcinoma esophagus with chemoradiation	2001-2004	MD Thesis
1.	Worked as senior research associate at Sanjay Gandhi Post Graduate Institute of Medical sciences and working on the project - Dosimetric assessment of 3DCRT and IMRT vs. conventional RT in reducing pulmonary and cardiac morbidity in radio therapeutic management of cancer esophagus.	2007-2010	CSIR, PI
2.	Internal intramural project titled: Assessment of Cisplatin associated nephrotoxicity in cancer patients	2011-2014	Intramural project as PI
3	Correlation study of Histological and Molecular Diagnosis in Adult Glioblastoma Multiformes patients	2016-2018	Intramural project as PI

Medical Social Work :-

1. Nodal officer of Ram Manohar Lohia Cancer Support Group

The needs of cancer patient are not only limited to medical treatment. The patient may need non-medical support and care for their physical, emotional and cosmetic rehabilitation. We follow the treatment to recovery programme where survivors are invaluable and the purpose of the cancer rehabilitation clinic is to contribute towards this cause.

Trained volunteers including former cancer patient and health professionals conduct the clinic. Free counseling is offered and telephone helplines are available for patient and families to receive guidance and support during difficult times. At present the clinic has 3 programmers-

The Breast cancer support group

1. Patients along with one relative are asked to visit this counselling session on 4th to 7th day of surgery while still admitted (at a given time in a week preferably a group to be addressed)
2. Care of drain is explained, Patients are taught post-surgical exercises
3. A kit is given containing a cloth bag to carry drain, soft ball for exercise, a scarf, small bottle of coconut oil, etc.
4. Information leaflet regarding exercise, chemotherapy, radiotherapy, breast self examination

Contact numbers of breast prosthesis, wig makers, compression bandage .Help is provided to fit temporary breast forms and to acquire permanent external prosthesis

The Head and neck cancer support group

1. Mouth opening exercise to be explained
2. Diet modification
3. Maintenance of oral hygiene
4. Device for assisting in mouth opening
5. For those who undergo laryngectomy, patients are given guidance in speech therapy, stoma covers care provided.
6. patient are given guidance in speech therapy

Stoma covers and other appliances are available.

The Ostomy Support Group

For those who undergo colostomy, ileostomy or urostomy. Ostomy bags and other products are provided for, with delivery within a week. An ostomate with a similar problem to could be contacted through an appointment by us.

All the programmes are designed to offer information, guidance and moral support to the patient and their families to deal with adjuvant therapy and to resume normal life after surgery

2. Women Cancer Screening Clinic

Every Saturday free clinic is being run at department of RMLIMS to detect breast cancer, cervical cancer as early as possible by clinical examination, radiological investigations, Pap smear examination etc.

Public awareness lectures for cancer screening and treatment are done on 4th February (world cancer day) each year.