

Brief Resume of Dr. S. P. Mishra:

M.Sc., Dip.R.P(BARC), Ph D, FICMP, PGDHHCM (MBA- Hosp Admin)

1. Name : Dr. Surendra Prasad Mishra

Current Position: Sr. Scientist (F) & Radiological Safety Officer,
Deptt of Radiation Oncology
Dr. Ram Manohr Lohia Institute of Medical Sciences,
(an autonomous P G Institute of Medical Sciences of Govt of UP)
Vibhuti Khand, Gomti Nagar, Lucknow-226010
M:09415365781, e-mail:mishrasp05@gmail.com

Previous Employment

a. **Ex. Addl. Director Medical & Head Deptt. Of Medical Physics, and Radiology & Imaging,**
Regional Cancer Center, Kamala Nehru Memorial Hospital,
Allahabad - 211 002 (U.P.), India.(designated as State Cancer Institute)

b. **Ex-Dy. Medical Supdt. (Projects)**
Priyamvada Birla cancer Research Institute,
M. P. Birla Hospital, Birla Vikas, Satana (MP) -485005

2..D.O.Band age : 5th November, 1953 , ~ 63 yr, Male ,

3. EDUCATIONAL & PROFESSIONAL QUALIFICATIONS

Degree/Course	Year	University/Body
M.Sc. (Physics):	1977	University Of Gorakhpur
Dip. R.P. (BARC) (Post Graduate Diploma In Hospital Physics & Radiological Physics)	1979	BHABHA ATOMIC RESEARCH CENTRE, MUMBAI) (COURSE CONDUCTED BY RADIOLOGICAL PHYSICS & ADVISORY DIVISION, BARC) University Of Bombay
Ph. D. (Medical Physics)	1997	University Of Allahabad
Ph. D. Thesis Subject: " <i>Contribution Of Whole Body X-Ray CT Scan In Dosimetric Improvements And Definition Of Radiation Beam Geometry In Radiation Therapy.</i> "		
CERTIFICATE COURSE IN MEDICAL PHYSICS	1992	Abdus Salam International Centre for (ICTP)Theoretical Physics , Trieste, Italy
Certificate Course In Hospital Administration	1992	USAID, Bangalore
Certificate Course in Quality Assessment And Management	1995	Indian Institute of Quality Management, Jaipur (Under the aegis of NABL, DST, GOI)
PG Diploma in Hospital and Health care Management(MBA-Hosp Admin)	2012	Symbiosis Institute of Health Sciences, Pune
Technical Expert at International Assignments with IAEA		
<ul style="list-style-type: none"> ▪ Co-opted by International Atomic Energy Agency (IAEA) , Vienna as Technical Expert for the Regional Training Course On Radiation Protection And Safety In Radiotherapy for West Asia conducted by IAEA, Vienna July, 2003 at King Hussain Cancer Hospital, Amman. ▪ Member PACT (Programme of Action for cancer Therapy-United Nations) Committee of IAEA ,Vienna – Apr -2009 		
DST (GOI)	Served as advisor about Quality assurance in radiological sciences	

4. Total Work Experience : 39 Years

5: High end Oncology and Medical facilities Commissioned and Supervised:

- i. Complete radiotherapy Facilities at three major institutes
3 No's of Cobalt -60 units, 1 LDR and 2- mHDR Brachytherapy unit, 6 nos of 2D, 3D, and 4D ,
Treatment Planning Systems. Linear accelerators
- ii. Complete Radiology and Imaging facilities: 4 Nos of CT scanners , 6 nos of X-ray and ,
Mammography, Digital X-ray unit
- iii. **Complete facility for High energy Linac with 6, 10, & 15 MV X-rays, multiple electron energies and IMRT & IGRT, VMAT, SRS, SBRT facilities**
- iv. Several SSD and Beam data scanner and dosimetry units., Mould room facilities.
- v. Allied and associated RT , Medical Physics Facilities and health care facilities
- vi. Developed Regional cancer center, Allahabad from scratch, RCC, Gwalior, SAIL Cancer Center at BOKARO, MP Birla cancer Institute, Satna.

6. Academic and Teaching Experience :

- **More than 25 Years PG Teaching as Sr faculty (DNB, MD) PG teaching experience of Medical Physics, Biomedical engineering, Radiation Biology, Radiological Safety, PG Curriculum for Radiotherapy and Radiology, at RCC, Kamala Nehru Memorial Hospital, Allahabad.**
- **Co-Guided several, (More than 20) M.D./DNB/M.Sc./B.Tech. Thesis in Radiotherapy, Medical physics, of KNMH and MLN Medical College, Allahabad, Amity University, Lucknow, Allahabad Central University, Allahabad, Agriculture University Allahabad. etc.**
- **UG/PG Hony. Teaching faculty and Examiner for IGNOU, UPRPTOU, NGBU, Allahabad for Research Foundation Course in Science and Technology.**
- **Has been associated with Supporting Several Ph. D. Programs' and examiner for Ph D to University Of Mumbai.**
- **Hony Faculty at National Academy of Science, Allahabad**
- **Visiting Prof to Mewar University , Rajasthan**

7. Contribution in Major INNOVATION And Technology Development for Radiotherapy and radiological sciences (Imaging) development:

- *Development of Composite QA Phantom for CT scanner Through Funding Support from AERB.*
- *CT Organ dosimetry for radiological safety of Patients and Public.*
- *QA and X-Ray dose reduction and safety study of x-rays for public safety in and around Allahabad.*
- *Dosimetry of Mammography for Breast cancer prevention Funded by AERB.*
- *Brachytherapy cancer treatment practices and development of new models in Indian scenario for improvement , Funded by BRNS.*
- *Has developed newer applications in imaging using CT scanner in 4D planning for cancer cure. (ongoing with support of TSG)*
- *New radiobiological Models for optimization of RT plan for enhanced tumour response (on going)*

8. JOB RESPONSIBILITIES HANDLED: Development and rejuvenation of Radiation Cancer treatment from scratch leading to recognition as Regional Cancer Centre, Kamala Nehru Memorial Hospital, Allahabad, Have been responsible for Conceptualization, Planning And Execution Of Various Projects To Develop The High Caliber Cancer Treatment Facilities.

- Coordination with DAE/AERB/BRIT/ DST and other supporting agencies regarding all Matters pertaining to Grants, Reporting, collaborations.etc.
- Coordinator For B. SC. Nursing Teaching & training of IGNOU Centre at KNMH and Over All Responsible for Nursing administration& Services
- Has been responsible to Coordinationand Preparationof Annual Report of The Hospital.
- **Member Secretary**, Hospital Coordination Committee.
- **Member Governing Council**, Regional Cancer Centre.
- Have Been Member of the **Hospital Finance Committee**,
- Responsible for all the functioning of the Hospital Pharmacy Services and Patient careservices.
- Member Hospital Equipment Purchase Committee.
- Responsible For Planning, Installation, Commissioning And Maintenance Of All Major Equipment And Facilities Of The RCC, Hospital.
- **Radiological safety Officer and to coordinate with AERB, Mumbai in all matter pertaining to radiological safety and statutory regulations.**
- Coordinator for establishinga **advance centre for research and treatment of oncology with the support of DAE .**
- **Responsible for in Most prodigious DPR(Detailed Project report)of IG Bhawan as center of excellence in Oncology and RHC**
- **Epitome:was responsible for the most coveted project in the history ofRCC, KNMH for coordination, installation and commissioning of the High Energy Medical Linear Accelerator with IMRT and IGRT and other cutting edge facilities. It was completed in record time (less than in 11 months, least in the history)**

9. Countries Visited for advance training and academic Programme:

- Italy (Trieste), -1992, Austria (Vienna), -1995
- Jordan (Amman), -2003, Australia (Sydney)-2005
- Austria(IAEA- Vienna)-2009, Germany (2013)

10.SPECIAL RECOGNITION & ACHIEVEMENTS:

- **Awarded By Rotary**Allahabad (Annual Award as a Dedicated Workers), 1988.
- **Best Paper Award** In The 17th IARP Conference, 1990 and several other meetings.
- **Invited Speaker** At Several National and international conferences /Workshops And CME Programme In Medical Physics , Radiotherapy & Radiation Safety.
- **Course Coordinator Certificate** Course In Radiation Safety For Radiotherapy Technologists In Collaboration With AERB And BARC, Bombay, 1992. And RMLIMS, Lucknow 2013
- **Convener:** Field Training For Trainee Physicists At Division Of Radiological Protection BARC Bombay Undergoing P.G. Course For Diploma In Radiological Physics From 1992.
- Have Been on the panel of**University Of Bombay as Examiner For Ph.D.(Biophysics, radiobiology etc),**
- **Chamelibai Rotary Cancer Award** (Kanpur, May,1997) For Helping In Establishment Of RCC At Allahabad.
- **Awarded Dr. B. N. Lal Oration by Association of Radiation Oncologist of India, AROI, (UP Chapter, Oct 2002)**
- **Co-Opted As Member Expert panel** DST, GOI and DAE for QA in radiology, Nov. 1996.
- **Member Editorial Board**, Journal Of Medical Physics, B.A.R.C., Mumbai, June, 1996.
- **Advisor** To The Research Project On Digital X-Ray Imaging, J.K. Institute Of Applied Physics, **Central University Of Allahabad.**
- **Bharta Gaurav Award” by the International body for excellence.**
- **Who is Who In radiological Sciences- Marques Biographers, USA.**
- **Recipient of e-library facility of IAEA, Vienna 2007 for updating the medical Fraternity in Radiological Sciences. In India**
- **Bharat Excellence Award**, Dec. 2007 (Offered by Friendship Forum of India, New Delhi)
- **Best paper award , AMPICON(NC) 2007**
- **Best paper Award: Annual Scientific Meet of AROI 2009, Hyderabad and many other.**
- **Have been member, convener, Organizing Secretary of several national and international scientific conventions and conferences.**

- **Prof N C Singhal Oration at AMPI-NC, New Delhi. Apr. 2012**

11. Principal Investigator, Major Research Projects Funded by national Bodies viz, Department of Atomic Energy, Board of research in Nuclear sciences , Atomic Energy Regulatory Board (Completed and Ongoing)

12. Principal Investigator: Major Research Projects Funded by National Research Funding agencies; COMPLETED:

- A. Organ Dose Measurement and QA evaluation In C.T.Scan Awarded By Atomic Energy Regulatory Board, Govt. Of India Mar'94. (Project Estimated Cost, Rs. 6.5 Lacs)
- B. Clinical Dosimetry In Brachytherapy and ICRU -38 in Indian Context, Project Awarded By Board Of Research In Nuclear, DAE, GOI(Project Estimates Rs. 12.00 Lacs)
- C. Quality Assurance In Diagnostic Radiology And Patients Dose Reduction, Awarded By Atomic Energy Regulatory Board, Govt. Of India,(Rs. 5.5 Lacs)
- D. Glandular Dose measurement in Mammography, Awarded By Atomic Energy Regulatory Board, Govt. Of India,(Rs. 13.5 Lacs for developing national data bank-

E: Ongoing: 4D Imaging for Image Guided RT planning using MSCT

13. Chapters Contributed In Books:

Have published More than 14 chapters in reference books and some are under communications.

RECENT CHAPTER CONTRIBUTED :

- **RADIATION RISK FROM MEDICAL X-RAY DEVICES , INTERVENTIONAL RADIOLOGY AND MAMMOGRAPHY, NOVA, NEW YORK, USA. DR. S. P. MISHRA¹, PROF MLB BHATT²1.SR. SCIENTIST ,DEPTT OF RADIATION ONCOLOGY, DR. RAM MANOHAR LOHIA INSTITUTE OF MEDICAL SCIENCES. GOMATI NAGAR, LUCKNOW, UTTAR PRADESH -226010, INDIA.2.PROF AND HOD , RADIATION ONCOLOGY ,DR. RAM MANOHAR LOHIA INSTITUTE OF MEDICAL SCIENCES. GOMATI NAGAR, LUCKNOW, UTTAR PRADESH -226010, INDIA.**
- **“Radiation Dose Painting And concept of Consequential Doses : Emerging Paradigm In Radiation Oncology practices”-2016**

14. Research Publications; Have published and presented more than 180 research papers

15. National And International Conference Attended

- Participated as speaker, invited speaker, organizer in more than 55 national and international conferences. Attended world congress at Sydney (Australia) and ESTRO (Vienna, Austria) meets as special invitee., ICARO, Vienna-2009 as member of PACT -UN panel

17: Ph. D. Programme in hand

A: 6 Ph. D Students registered as Guide/Co-guide.(Mr. Shrinivash, Ms Jyoti Bisth, Mr Vinod Gaqngawar, Ms. Shradha Srivastava, Mr Pandey Mr Teerath Raj verma)

B. Guide and Co Guide to

- a. Mewad University , Rajasthan
- b. Ruhelkhand Univ. Bareilly

c. K G MU, Lucknow
d. Kumayun Univ. Nainital
Examiner for Ph D: University of Mumbai

C:Supported Ph D work which are already awarded
Ph D Awarded: 2

D: M D (Radiation Oncology Thesis completed as Co Guide)

- Dr Pooja Gupta– Study of Toxicity Assessment of Intensity Modulated Radiation Therapy (IMRT) with Simultaneously Integrated Boost (SIB) technique for Head and neck Squamous cell carcinoma
- Dr S. S. Nanda - Evaluation of XRCC 1 gene expression as a biomarker in head and neck cancer patients undergoing chemo-radiotherapy
- Dr Isha Jaiswal – Evaluation of efficacy and toxicity in head and neck cancer patients treated with volumetric intensity modulated arc therapy versus conventional intensity modulated radiation therapy

(11More M D Thesis as Co guide in progress)

.MEMBERSHIP OF ASSOCIATIONS And Academic Bodies:

- Life Member Association Of Medical Physicist Of India (AMPI).
- Life Member Of Indian Association For Radiation Protection (IARP).
- Life Member Of Indian Society For Radiation Biology (ISRB).
- Member National Executive Committee IARP, 1992.
- Member National Executive Committee AMPI, 1995-97
- **Founder President , Northern Chapter of AMPI- Continuing.2006-2008**
- **Member Executive Committee. ISRB-2008-2010**
- **Member of several American and Asian biographers Association.**
- **Founder Member Indian College of Medical Physics (ICMP)-2009**

(Dr. S. P. Mishra)
RMLIMS, Lucknow

July:2018

List of Publications and Presentations (More than 186) of Dr. S. P. Mishra

Book Chapters Published in 2018

1. ENVIRONMENTAL HAZARDS FROM NUCLEAR RADIATION AND RADIATION RISK FROM MEDICAL X-RAY DEVICES, INTERVENTIONAL RADIOLOGY AND MAMMOGRAPHY. DR. S. P. MISHRA*, MS. SURABHI SHUKLA** JRF, INTERNATIONAL BOOK PUBLISHERS

*Sr. Radiation Scientist ,Deptt of Radiation Oncology,** Research Scholar, Amity University, Lucknow, Dr. Ram Manohar Lohia Institute of Medical Sciences, Gomti Nagar, Lucknow, Uttar Pradesh -226010, India.

2. Gamification to Promote the Engagement in Healthcare and Wellness of Patients under Therapeutic Care: Gamification and Healthcare. IGI Global publishers

Surendra Prasad Mishra, Dr. Ram Manohar Lohia Institute of Medical Sciences, India

Dinkar Kulshreshtha Dr. Ram Manohar Lohia Institute of Medical Sciences, India

Anoop Kumar Srivastava Dr. Ram Manohar Lohia Institute of Medical Sciences, India

Ajeet Kumar Gandhi Dr. Ram Manohar Lohia Institute of Medical Sciences, India

Madhup Rastogi Dr. Ram Manohar Lohia Institute of Medical Sciences, India

3. Management of Natural and Man-Made Disaster and their Impact on Environment,

¹Dr.S.P.Mishra, JRF, international book Publishers ²Dr.Pratika Mishra , ³Ms.Surabhi Shukla,

⁴Dr.Anoop Kr Srivastava, ⁵Dr. Madhup Rastogi, ¹Sr. Radiation Scientist, ⁴ Associate professor, ⁵ Professor Deptt of Radiation Oncology, Dr. Ram Manohar Lohia Institute of Medical Sciences, Gomti Nagar, Lucknow, Uttar Pradesh -226010, India

²Associate Professor, School of Management , Presidency University , Bangalore

³ Research Scholar (Biotechnology), Amity University, Lucknow

4. Managing Challenges from Medical Waste to Public Health and Environment: JRF,

international book Publishers: Dr. S. P. Mishra*, Ms. Surabhi Shukla** , Dr.Pratika

Mishra*** *Sr. Radiation Scientist, Deptt of Radiation Oncology, Dr. Ram Manohar

Lohia Institute of Medical Sciences, Vibhuti Khand, Gomti Nagar, Lucknow, Uttar

Pradesh -226010, India, ** Research Scholar (Biotechnology), Amity University, Lucknow

,*** Associate Professor, School of Management , Presidency University , Bangalore

2018

186. .Evaluation of Target Coverage and Organ at Risk Doses in Volumetric Intracavitary Brachytherapy for Cervical Cancer

Jyoti Bisht^{1*}, Surendra Prasad Mishra², Raj Kumar Tyagi³ and Anoop Srivastava⁴

¹PhD Scholar, ³Associate Professor, Department of Physics, Government Postgraduate College, Kotdwar, Uttarakhand ²Senior Scientist, ⁴Associate Professor, Department of Radiation Oncology, Dr. Ram Manohar Lohia Institute of Medical Sciences, Lucknow, Uttar Pradesh, India

(*Corresponding author) email id: *jyoti797bisht@gmail.com, ²mishrasp05@gmail.com,

³rajkumar.tyagi@gmail.com, ⁴Anoopsrivastava78@gmail.com

INROADS,DOI:, Vol. 6, No. 2, July-December, 2017, pp-101-107

185,. Evaluation of dosimetric parameters using different definitions of prescription point "A" and its impact on high dose rate (HDR) intracavitary brachytherapy for cervical carcinoma'. **Indian Journal of Cancer** , communicated July 2018

184..Managing Challenges from Medical Waste to Public Health and Environment;Dr. S. P. Mishra*, Ms. Surabhi Shukla** ,Dr.Pratika Mishra*** *Sr. Radiation Scientist, Deptt of Radiation Oncology, Dr. Ram Manohar Lohia Institute of Medical Sciences, Vibhuti Khand, Gomti Nagar, Lucknow, Uttar Pradesh -226010, India** Research Scholar (Biotechnology), Amity University, Lucknow *** Associate Professor, School of Management , Presidency University , Bangalore , Book Chapter on Enviornment

183.. environmental hazards from nuclear radiation and radiation risk from medical x-ray devices, interventional radiology and mammography dr. s. p. mishra*, ms. surabhi shukla** *sr. radiation scientist , deptt of radiation oncology, ** research scholar, amity university, lucknow *** environment social scientist and college teacher, lucknow, dr. ram manohar lohia institute of medical sciences, gomti nagar, lucknow, uttar pradesh -226010, india.

182..Role of purely accelerated 6 fraction per-week radiotherapy in post-operative oral cavity squamous cell carcinomas: a prospective study (communicated)

181.. Dosimetric Comparison of Volumetric Modulated Arc Therapy (VMAT) and 3-dimensional conformal radiotherapy (3D-CRT) in Post-operative High-grade Glioma (**Communicated**)

180..

Evaluation of XRCC-1 Gene Polymorphism as a Biomarker in Head and Neck Cancer Patients Undergoing Chemoradiotherapy

Dr Sambit Swarup Nanda, MD, Dr Ajeet Kumar Gandhi, MD, DNB, Dr Madhup Rastogi, MD, Dr Rohini Khurana, MD, Dr Rahat Hadi, MD, Dr Kamal Sahni, MD, Dr Surendra Prasad Mishra, PhD, Dr Anoop K Srivastava, PhD, Dr Madan Lal Brahma Bhatt, MD, Dr Devendra Parmar

PII: S0360-3016(18)30587-X
DOI: 10.1016/j.ijrobp.2018.03.039
Reference: ROB 24884

To appear in: *International Journal of Radiation Oncology • Biology • Physics*

Received Date: 5 August 2017
Revised Date: 26 March 2018
Accepted Date: 26 March 2018

179.

Pelvic bone anatomy vs implanted gold seed marker registration for image-guided intensity modulated radiotherapy for prostate carcinoma: Comparative analysis of inter-fraction motion and toxicities

Madhup Rastogi^a, Sambit Swarup Nanda^a, Ajeet Kumar Gandhi^{a,*}, Divakar Dalela^b, Rohini Khurana^a, Surendra Prasad Mishra^a, Anoop Srivastava^a, S. Farzana^a, Madan Lal Brahma Bhatt^c, Nuzhat Husain^d

^a Department of Radiation Oncology, Dr. Ram Manohar Lohia Institute of Medical Sciences, Vibhutikhand, Gomtinagar, Lucknow 226010, India

^b Department of Urology, King George's Medical University, Lucknow, India

^c King George's Medical University, Lucknow, India

^d Department of Pathology, Dr. Ram Manohar Lohia Institute of Medical Sciences, Vibhutikhand, Gomtinagar, Lucknow 226010, India

Journal of the Egyptian National Cancer Institute xxx (2017) xxx–xxx

178.. Toxicity analysis of pure modestly accelerated radiotherapy in post-operative oral cavity carcinomas

[Satyajeeet Rath](#), [Rohini Khurana](#), [Madhup Rastogi](#), [Kamal Sahni](#), [Rahat Hadi](#), [Shantanu Sapru](#), [Ajeet Kumar Gandhi](#), [Surendra Prasad Mishra](#), [Anoop Kumar Srivastava](#), [Sumaiya Farzana](#), Dr. Ram Manohar Lohia Institute of Medical Sciences. Lucknow , India

Article (PDF Available) in [Radiotherapy and Oncology](#) 127(Supplement 1) · April 2018 with DOI: 10.1016/S0167-8140(18)31442-7

177.. Evaluation of Doses to Pelvic Lymph Nodes in 3D-planned High-Dose Rate Interstitial Brachytherapy for Carcinoma of Uterine Cervix, [Ajeet Kumar Gandhi](#), [Madhup Rastogi](#), [Satyajeet Rath](#), [Praffulla Chandra Rai](#), [Sambit Swarup Nanda](#), [Sumaiya Farzana](#), [Anoop Kumar Srivastava](#), [Surendra Prasad Mishra](#), [DN Sharma](#). Dr. Ram Manohar Lohia Institute of Medical Sciences , Lucknow. All India Institute of Medical Sciences, New Delhi, **Article (PDF Available)** in [Brachytherapy](#) 17(4):S116-S117 · July 2018 with 13 Reads, DOI: 10.1016/j.brachy.2018.04.214

176.Flow cytometric detection of gamma-H2AX to evaluate DNA damage by low dose diagnostic irradiation. Medical Hypotheses, .Kainat Khan, Shikha Tewari, Namrata Punit Awasthi, **[Surendra Prasad Mishra](#)**, Gaurav Raj Agarwal, Madhup Rastogi, Nuzhat Husain.. 2018. Volume 115, Pages 22–28.

175,Quantitative Extra Long PCR to Detect DNA Lesions in Patients Exposed to Low Doses of Diagnostic Radiation , Kainat Khan, Shikha Tewari, Madhup Rastogi, Gaurav Raj Agarwal, **[Surendra Prasad Mishra](#)**, Nuzhat Husain.. Asian Pac J Cancer Prev. 2018; 26;19(5):1367-1373.

2017

174. Evaluation of Tumor control and Normal tissue complication Probability in Head and Neck cancers with different Sources of Radiation: A comparative study" Anoop Kumar Srivastava, MADHUP RASTOGI, SURENDRA PRASAD MISHRA, IJMP-1701-1206 (R1), 2017

173.. Dosimetric comparison of volumetric modulated arc therapy and three-dimensional conformal radiotherapy in high grade glioma.

Harikesh Bahadur Singh, Madhup Rastogi, Kamal Sahni, Rohini Khurana, Rahat Hadi, Shantanu Sapru, Surendra P. Mishra, Anoop K. Srivastava. JCRT, Volume-12, Sup 1-2016.

172. . A prospective Phase II study of purely accelerated 6 fraction per-week radiotherapy in postoperative oral cavity suamous cell carcinomas.

S. Rath, R. Khurana, K. Sahni, S. Sapru, S. P. Mishra, A.K Srivastava. JCRT, Volume-12, Sup 1-2016.

172.. Radiotherapy planning study comparing volumetric modulated arc therapy with intensity modulated radiation therapy in the treatment of head and neck cancers.

Isha Jaiswal, Rohini Khurana, Madhup Rastogi, Rahat Hadi, Kamal Sahni, S. P. Mishra. JCRT, Volume-12, Sup 1-2016.

170.. Dosimetric study on indigenous slab-pine-wood-slab phantom for developing the heterogeneous chest phantom mimicking thoracic region of human.

Om Prakash Gurjar, Priyusha Bagdare, Surendra Prasad Mishra , Radha Kishan Paliwal. JCRT, Volume-12, Sup 1-2016.

169. Study of Thermoluminescence Kinetics of Dy Doped Limbo3 Phosphor

Praveen K.Mishra¹, Vibha Chopra², Govind B.Nair³, Surendra P.Mishra¹, R.K.Paliwal⁴, S.J. Dhoble*³ ¹Department of Radiotherapy, G.R.Medical College, Gwalior, Madhya Pradesh, India ²P.G. Department of Physics & Electronics, DAV College, Amritsar, Punjab, ³Department of Physics, R.T.M .Nagpur University, Nagpur, Maharashtra, India ⁴Department of Physics, Mewar University, Gangrar Chittorgarh, India Volume 4 | Issue 1 | International Journal of Scientific Research 2017, P-83-86 , in Science and Technology (www.ijrst.com)

168. Gurjar OP, Mutneja A, Bagdare P, Bhandari V, Gupta KL, Goyal H, Batra M, Mishra SP. Comparative evaluation of Cone Beam Computed Tomography (CBCT) and Orthogonal Portal Imaging (OPI) in implementation of IMRT protocol in Prostate Cancer. *Int J Cancer Ther Oncol* 2016;4:419.

167. Quantitative evaluation of inter fractional and intra fractional target motion in lung cancer radiotherapy, N.K.Painuly¹, T.R. Verma¹, N.Singh¹, S.Srivastava¹, S.Singh¹, S.P.Mishra². AMPI Annual Conf, Oct 2016, Hyderabad

166.. Performance Evaluation of Algorithms in Lung IMRT: A comparison of Monte Carlo, Pencil Beam, Superposition, Fast Superposition and Convolution Algorithm. Verma T. R, Painuly N. K, Mishra S. P, Shajahan M., Singh N. , Bhatt M. L.B, Jamal N. , Pant M. C.

www.jbpe.org, 127-137. Oct.2016

166. Dosimetric study on indigenous slab-pine-wood-slab phantom for developing the heterogeneous chest phantom mimicking thoracic region of human, Om Prakash Gurjar^{1,2}, Priyusha Bagdare¹, Surendra Prasad Mishra^{2,3}, Radha Kishan Paliwal², Journal of Cancer Research and Therapeutics :2016, Vol.12, issue 6, P 71-77

165.. Gurjar OP, Paliwal RK, Mishra SP. A dosimetric study on slab-pine-wood-slab phantom for developing the heterogeneous chest phantom mimicking actual human chest. *J Med Phys* (accepted).\

164. Evaluating the four-dimensional cone beam computed tomography with varying gantry rotation speed. S. A.YOGANATHAN, Msc, K. J. MARIA, PhD, SHAJAHAN MOHAMED ALI ,MSc, SURENDRA P. MISHRA, PhD and SHALEEN KUMAR, MD. Department of Radiotherapy, Sanjay Gandhi Post-graduate Institute of Medical Sciences, Lucknow, Uttar Pradesh, India Department of Radiotherapy Oncology, Dr. Ram Manohar Lohia Institute of Medical Science Lucknow, Uttar Pradesh, India. **British Journal of Radiology 2016: 89:20150870**

163. Dosimetric study on indigenous slab-pine-wood-slab phantom for developing the heterogeneous chest phantom mimicking thoracic region of human: Om Prakash Gurjar¹, Priyusha Bagdare², Surendra Prasad Mishra³, Radha Kishan Paliwal^{4,1,2} Roentgen-SAIMS Radiation Oncology Centre, Sri Aurobindo Institute of Medical Sciences, Indore; ³Department of Radiotherapy, Dr. Ram Manohar Lohia Institute of Medical Sciences, Lucknow; ^{1,3,4}Department of Physics, Mewar University, Chittorgarh (India). AROICON 2016 (communicated).

162. measurement of effect of deformity in dose calculation by treatment planning system using gafchromic film Pandey VP1,4., Pandey DP3., Mishra SP2 and Sanjay Dixit1 .1Government MVM College, Barkatullah University, Bhopal, MP, India, 2Ram Manohar Lohia Institute of Medical Sciences, Lucknow, UP, India, 3Shyam Shah Medical College, Rewa, M.P, India, 4Kriti Cancer Hospital and Research Centre, Allahabad, UP, India. **International Journal of Recent Scientific Research Research, Vol. 7, Issue, 2, pp. 8920-8922, February, 2016**

160. Lymphocytes as In Vitro Model to Evaluate Genomic Instability Caused by Low Dose Radiation Tewari S, Khan K, Husain N, Rastogi M, Mishra SP, Srivastav AK. *Peripheral Blood. Asian Pac J Cancer Prev.* 2016;17(4):1773-7.

2015

159. A dosimetric study on slab-pine-wood-slab phantom for developing the heterogeneous chest phantom mimicking the actual human chest. om prakash gurjar surendra p mishra, phd; radha k paliwal, phd, Journal: Cancer / Radiothérapie (accepted)

158. - "Evaluation of performance of algorithms in Lung IMRT: A comparison of Monte Carlo, Pencil Beam, Superposition, Fast superposition and Convolution algorithms". **Teerthraj Verma**, Nirmal Kumar Painuly, **Surendra Prasad Mishra**, Mohamed Shajahan, Navin Singh, MLB Bhatt, Naseem Jamal, MC Pant. **Journal of Biomedical Physics & Engineering**- Manuscript ID: 2015-05-382 (Accepted for Publication).

157. -"Dosimetric effect of intra-fractional and inter-fractional target motion in lung cancer radiotherapy techniques".**Teerth Raj Verma**, Nirmal K. Painuly, **Surendra P. Mishra**, Yoganathan SA, Jain GK, Srivastava A Navin Singh, M. L. B. Bhatt, Naseem Jamal, M. C. Pant. **Int J Cancer Ther Oncol 2015; 3(4):343. DOI: 10.14319/ijcto.34.3**

156. Evaluation of Lung Density and Its Dosimetric Impact on Lung Cancer Radiotherapy: A Simulation Study". **Teerth raj Verma**, Nirmal kumar Painuly, **Surendra Prasad Mishra**, SA Yoganathansa, Navin Singh Singh, M L B Bhatt, Naseem Jamal. **Journal of Biomedical Physics & Engineering**- Manuscript ID: 2015-08-430 (Accepted for Publication).

154. Evaluation of dose calculation accuracy of various algorithms in lung equivalent inhomogeneity: Comparison of calculated data with Gafchromic film measured results". **Teerth Raj Verma**, Nirmal K. Painuly, **Surendra P. Mishra**, Navin Singh, M. L. B. Bhatt, **Naseem Jamal, M. C. Pant. Journal of Cancer Research and Therapeutics. 2015 (Ready for publication, JCRT_488_15R7)**

153. Gurjar OP, Kaushik S, Mishra SP, Punia R. A study on room design and radiation safety around room for Co-60 afterloading HDR brachytherapy unit converted from room for Ir-192 afterloading HDR brachytherapy unit. Int J Health All Sce 2015;4:p.n.

152. Gurjar OP, Mishra SP. A comparative study on patient specific absolute dosimetry using slab phantom, acrylic body phantom and real tissue phantom. Int J Cancer Ther Oncol 2015; (Accepted; waiting for publication)

151.**Gurjar OP**, Mishra SP. A comparative study on patient specific absolute dosimetry using slab phantom, acrylic body phantom and real tissue phantom. Int J Cancer Ther Oncol 2015;3:3213.

150. **Gurjar OP**, Mishra P, Singh N, Bagdare P, Mishra SP. A study on the radiation properties of slab – kailwood – slab phantom and chest wall – lung – soft tissue of actual human. Radiat Prot Environ 2015;38:139-43.

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149. Invitedtalk , Gynecological brachytherapy, recent advances.

148. Dose Escalation with stereotactic radiotherapy in multiple brain metastasis, P Vinodh, Yoganthan, R Khurana, S P Mishra, MLB Bhatta, NEUROCON, SGPGI, Lucknow.2014

147. Dose planning in SBRT in multiple site, AMPI,NC, KGMU,Lucknow-2014
146. Comparison between kV-Orthogonal Portal and kV-CBCT Imaging Setup Errors in Radiotherapy Treatment, Om Prakash¹, V. Bhandari¹, S. P. Mishra², P. Pathak¹, P. Patel¹, Roentgen-SAIMS Radiation Oncology Centre, SIAMS, Indore, India¹, Dr. Ram Manohar Lohia Institute of Medical Sciences, Lucknow, India²2014.
145. Radiation Dose verification using real tissue phantom in modern radiotherapy technique, Om PrakashGujar, S P Mishra, VirendraBhandari, PankajPathak, Prapti Patel, Journal of medical Physics, Vol.39, N0-1,4-9, 2014
144. Dosimetric Analysis of Intensity Modulated radiotherapy plans having one or more pairs of parallel opposed beams among the set of beams in some special cases, Om PrakashGujar, S P Mishra, Radiation Protection and Environs, July2014, Vol 36, Issue 3.1
143. A study on room design and radiation safety around room for Co-60 afterloading HDR brachytherapy unit converted from room for Ir-192 afterloading HDR brachytherapy unit Gurjar OP¹, Kaushik S², Mishra SP^{3,1,3}Mewar University, Chittorgarh, India.¹Roentgen-SAIMS Radiation Oncology Centre, Sri Aurobindo Institute of Medical Sciences, Indore, India.²Roentgen-BLK Radiation Oncology Centre, B. L. Kapoor Memorial Hospital, New Delhi, India.³Dr. Ram Manohar Lohia Institute of Medical Sciences, Lucknow, India.(**under Peer review in International Journal of Health & Allied Sciences**)
142. A study on the necessity of kV-CBCT imaging compared to kV-Orthogonal portal imaging based on setup errors: Considering other socioeconomical factors.Journal of Cancer Research and Therapeutics, (J Can Res Ther 2014;10(3)). Om Prakash Gurjar, Surendra Prasad Mishra, Virendra Bhandari, Pankaj Pathak, Sidharth Pant, Prapti Patel reference <http://www.cancerjournal.net/aheadofprint.asp>
141. Gurjar OP, Mishra SP, Bhandari V, Pathak P, Pant S, Patel P. A study on the necessity of kV-CBCT imaging compared to kV-Orthogonal portal imaging based on setup errors: Considering other socioeconomical factors. J Can Res Ther 2014;10:583-6.
- 140 Gurjar OP, Mishra SP, Bhandari V, Pathak P, Patel P, Shrivastav G. Radiation dose verification using real tissue phantom in modern radiotherapy techniques. J Med Phys 2014;39:44-9.
139. Presentation in 2nd International Conference on Medical Physics in Radiation Oncology and Imaging (to be held on 20-22 August, 2014 in Dhaka). Effect of use of one or more pairs of parallel opposed beams in IMRT plans. Om Prakash Gurjar, Surendra Prasad Mishra, Virendra Bhandari, Pankaj Pathak, Sidharth Pant, Prapti Patel
138. Presentation in UAE Cancer Congress 2014 (to be held on 30th Oct.-01st Nov., 2014 in Dubai), Conversion of room for Ir-192 to Co-60 afterloading HDR brachytherapy unit and radiation safety analysis Om Prakash Gurjar, Surendra Prasad Mishra, Virendra Bhandari, Pankaj Pathak, Sidharth Pant, Prapti Patel
137. Presentation in UAE Cancer Congress 2014 (to be held on 30th Oct.-01st Nov., 2014 in Dubai), Patient specific absolute dosimetry using slab phantom, acrylic body phantom and real tissue phantom: A comparative analysis Om Prakash Gurjar, Surendra Prasad Mishra, Virendra Bhandari, Pankaj Pathak, Sidharth Pant, Prapti Patel
136. Nanda Sambid, Madhup Rastogi, Mishra SP, Evaluation of Pelvic Bony Anatomy And Implanted Gold Seed Marker Based Registration for Intensity Modulated (IMRT) -Image-Guided Radiotherapy (IGRT) for Prostate Carcinoma with Cone Beam Computed Tomography (CBCT): A Preliminary Experience, AROI, Annual Convention, Nov, 2014
135. Isha jaiswal, Rohini Khurana Mishra S P, Implementation of Lung SBRT – Treatment using 4-dimensional cone beam CT verification for target mapping. AROI.Annual Convention, Nov, 2014

134. Pooja Gupta, Rohini Khurana, Mishra S P, Craniospinal Irradiation in medulloblastoma with 3 isocentres IMRT planning – An analysis based on dosimetric indices AROI. Annual Convention, Nov, 2014

2013

133. Gurjar OP, Mishra SP. Dosimetric analysis of intensity modulated radiotherapy plans having one or more pairs of parallel opposed beams among the set of beams in some special cases. Radiat Prot Environ 2013;36:138-42.

132.. QA perspectives in IMRT and IGRT, AROI, UP Chapter , Allahabad 2013.-Invited talk

131. paradigms in Radiobiology NZAROI, Dehradun, 2013

2012

130. Journey of three decades of medical physics and quest to conquer the cancer cell, prospects of Ion beam therapy in Indian . Oration at annual AMPI convention , Apr 2012, New Delhi

129. Emerging Glimpses of BIOART (Biologically Adoptive Radiotherapy), **S. P. Mishra**¹, A. K. Srivastava², Sonia Tiwari³, Ranjana Srivastava⁴, Anuradha Singh⁵

128. Invited talk at .International Conference on Radiobiology, cancer and society, NGBU,, Allahabad, Nov, 2012

127. New Emerging Frontiers in Cancer Radiotherapy, An Unfolding revolution, Dr. S.P. Mishra, Journal of NBBU, Allahabad, Dec 2012

126. A Comparison of Tumor Control Probability for Cases of Brain Tumor given Teletherapy with Gamma Photon of Co-60 and 6 MV X-rays. A.K. Srivastava^{1*}, Prof. I. Mehrotra² and Dr. S.P. Mishra³, International Journal of Applied Physics., ISSN 2249-3174 Volume 2, Number 3 (2012), pp. 191-196, © Research India Publications, <http://www.ripublication.com/ijap.htm>

2011-2000

125. CT Supported Treatment Planning In Thorax Treatment And Ca. Cervix : An Analysis. S.P.Mishra, P.Narayan, V.Gupta 19th Annual ESTRO Meeting, Istanbul, Turkey, September 2000.

124. Patients Dose Reduction And QA Evaluation In Whole Body CT Scanner. S.P. Mishra, Vinita Gupta, P. Narayan, S. Jaiswal 88th Indian Science Congress, Symposia On "Emerging Trends In Biomedical Research And Technology", January-2001

123.. Application Of Whole Body X-Ray CT Scanner In Radiation Treatment Planning And Recent Advances, S. P. Mishra, A. N. Vishnoi, Vinita Gupta, Shalini Jaiswal , Allahabad University Scientific Journal.

122. Study Of Quality Assurance Practices In Diagnostic X-Ray Installations And Its Correlation In Patient Dose Reduction, Shalini Jaiswal, Vinita Gupta, S. Ahmad, S. P. Mishra, International Conference & CME On Radiological Protection Of Patients In Use Of Ionizing Radiation (22-24 March, 2002) , SGPGIMS, Lucknow.

121. Doses To Patients From Routine Diagnostic X-Ray And CT Scanner And Analysis Of Risk In Light Of Recent Radiological Safety Norms, S. P. Mishra, Ph. D., Vinita Gupta, Ph. D. International

Conference & CME On Radiological Protection Of Patients In Use Of Ionizing Radiation (22-24 March, 2002), SGPGIMS, Lucknow.

120. Recent Advances In Radiotherapy And Intensity Modulated Radiotherapy, ,IX The Annual Convention Of AAMPI, Up- Delhi Chapter, (Invited Talk) , May 2002, JKCI, Kanpur.

119. Qualitative Changes In Treatment Planning With CT Support And Intensity Modulated Radiotherapy, S. P. Mishra, Ph. D. (Dr. B. N. Lal Oration) XVI U. P. Chapter Convention, Association Of Radiation Oncologists Of India, October 2002, Organized By J.K. Cancer Institute, Kanpur.

115. IMRT – Fortunes & Misfortunes, S. P. Mishra, CME Seminar On Medical Physics And Radiation Safety – Road Map For The Next Decade, December 2002, Department Of Nuclear Medicine, SGPGI, Lucknow.

117. Correlation between Computed Dose And Clinical Doses using TL Measurement and Evaluation of Doses to Local Anatomy in Gynecological Radiotherapy, S. P. Mishra, B. Paul, R. Ghos, B. K. Mishra, Vinita Gupta , M. Gupta, A. Singh , World Congress, MP And BME, 2003, Aug. 03, Sydney , Australia

116. Study of Quality Assurance Practices in Diagnostic X – Ray Installations and patient dose Optimization in Indian Context., S. P. Mishra, ShaliniJaiswal , Vinita Gupta , S. Ahamad, A. Singh World Congress, MP And BME, 2003, Aug. 03, Sydney , Australia

115. Organ Dose Measurement and QA Evaluation In CT Scanner For Patient Dose Reduction, A Study in Indian Context. Vinita Gupta, S. P. Mishra, S. K. Khanduja, R. Gupta, World Congress, MP And BME, 2003, Aug. 03, Sydney , Australia

114. Estimation Of Organ Doses To Patients From Low Level Radiation From Diagnostic X-Ray and CT Scanners ; An Analysis Of Risk In The Recent Perspectives.S.P.Mishra, , Vinita Gupta. 3rd international conference on "effect of low level ionizing radiation,WONUC, IRAN Oct 2003.

113. Utility of CT scan and 3D computer treatment planning system in optimization of cancer cervix treatment plan : Beam-Eye-View and DVH Technique. S.P.Mishra, P. Narayan, A.N.Vishnoi&GautamArchana. AMPICON, Nov. 2003

112. 3D radiotherapy planning of tumour of thorax region with support of Ct scan and portal placement. Archana Singh, S.P. Mishra, B.paul, R.Ghosh, B.K. Mishra and Vinita Gupta. AMPICON Nov. 2003

111.. Radiotherapy treatment planning of planning of Pelvic tumours with the support of x-ray Ct scanners and 3D treatment planning system using concept of bed (Biologically equivalent dose) and Eud(equivalent uniform dose) in the light of ICRU-62.S.P Mishra, P. Narayan , A.N.Vishnoi, GautamArchana. AMPICON, Nov. 2003

110.. Role of involved versus extended field Radiotherapy in combination with Chemotherapy in Hodkin's Disease. KesarwaniRadha, Thaliath B. Paul, Mishra S. P., Ghosh R. at annual conference of AROI,Nov.2004 Varanasi.

109. Evaluation of Tumour response and immediate toxicity of LDR and HDR Brachytherapy in carcinoma Cervix: A retrospective study. Tiwari Sonia, Thaliath B. Paul, Mishra S.P, Ghosh R., Singh Taruna at annual conference of AROI,Nov.2004 Varanasi

108.. Role of teletherapy and hdr brachytherapy in advance cancer cervix singhTaruna ,B. Paul, Mishra S. P., Ghosh R. At annual conference of AROI, Nov.2004 Varanasi.

107.. Optimization of Radiotherapy in Cancer treatment, AMPI, SGPGI, Lucknow, Invited Talk.

106.. Radiobiological Dose Optimization In Fractionated High Dose Rate Brachytherapy, An Analysis: Surendra Mishra, Baby Thaiath, AnoopSrivastava, RadhaGhosh, Regional Cancer Center, KNM Hospital Allahabad; Accepted in ESTRO 2006

105.3D Planning and Dosimetry for Customized Mould in Treatment of Carcinoma of Penis by mHDR:A.K. Srivastava¹, S.P.Mishra¹, B. Paul², R.R. Ghosh², B. K. Mishra², ²Department of Radiation Oncology & ¹Medical Physics, Regional Cancer Center, KNM Hospital Allahabad; Presented as poster in AMPICON 2006, Bhubaneswar and published in Journal of Medical Physics, Vol 31/No.3/July – Sep 2006; page no.210

104.Comparative Clinical study Of Dose Rate Variation In Brachytherapy of cancer Cervix:Tiwari Sonia, Thaliath B. Paul, Mishra S.P, Ghosh R.R., Mishra B.K., Kesarwani R., Patel Sonal, Srivastava A.K.: RCC KNMH, Allahabad; AROICON-2006, BHU, Varanasi

103.Evaluation of Pattern of failure in Carcinoma of Utrine Cervix treated by mHDR Brachytherapy: Tiwari Sonia, Thaliath B. Paul, Mishra S.P, Ghosh R.R., Kesarwani R., Patel Sonal, Srivastava A.K.: RCC KNMH, Allahabad; AROIUPCON-2005, Lucknow

102,CT Guided Brachytherapy: A New Approach In 3D Treatment Planning Of Interstitial Implant In Oral Cancer With mHDR:A.K. Srivastava¹, S.P.Mishra¹, I. Mehrotra* B. Paul², R.R. Ghosh², B. K. Mishra², 1&2 RCC, KNMH, Allahabad, *Physics department, University of Allahabad, Selected for Oral presentation at AMPICON 2007, Srinagar and published in special issue of Journal of Medical Physics

101.Role of concomitant boost therapy vs. conventional radiotherapy in head and neck cancer. TiwariMeena, B. Paul, Mishra S.P. Ghosh R. At annual conference of AROI, Nov.2004 Varanasi.Radiobiology of IMRT – AROI Alld-2007

100.Ultrasound imaging: fundamentals & emerging horizons, Invited talk, National Seminar on Ultrasonology, University of Allahabad, 2008.

99. Radiobiology of Conformal and IMRT-AIIMs-2007, Invited Talk, S P Mishra

98.New Horizons in Radiobiology of IMRT – AROI Alld-2007, Invited Talk, S P Mishra,

97.Treatment plan evaluation based on radiobiological parameters;Pitfalls in Conventional Methods:A.K. Srivastava¹, S. P. Mishra¹ I Mehrotra², B. Paul³, R Ghosh³, B. K. Mishra³ ¹Department of Medical Physics & ³Radiation Oncology, Regional Cancer Center, Kamala Nehru Memorial Hospital, Allahabad -211002 ²Physics Department, University of Allahabad, Allahabad -211002, APMI. NC, 2008

96.Optimization in HDR brachytherapy and application of ICRU -58, AK Srivastava, Sp Mishra, B Paul, B K Mishra, R Ghosh, AMPI, (NC) Annual Convention, Allahabad, March, 2008,

95.Breast conservation in carcinoma breast, M Tandon, B paul, Sp Mishra, R Ghosh,AMPI, (NC) Annual Convention, Allahabad, March, 2008,

94.Optimization of Radiotherapy planning using Cobalt teletherapy unit, pitfalls and approaches, Invited talk, AROI, SGPGI, Lucknow, 2008.

93.Emerging Technologies in Radiation sciences for cancer treatment, Key note address, MNIT, Allahabad, June 2008,

92.Radiobiological basis of cancer treatment, NationalScienceAcademy, Sept 2008, Key Note address

91. Quality assurance and patient dose reduction in CT scanner, Invited talk, AMPI, Bhopal, Nov. 2008
90. Recent advances in Cancer radiation therapy, UCER, Naini, Invited talk, Nov 2008,
89. Recent advances in Radiological sciences in cancer diagnosis and treatment, Key note address, NASI, Allahabad, March 2009,
88. Medical Application of laser an, review of laser mammography and photodynamic therapy, University of Allahabad, 2009, Invited talk at National Seminar of recent advances in Laser applications.
87. Comparisons of LDR, FHDR and dose optimization in brachytherapy, S P Mishra, B Paul, R Ghosh, Anoop Srivastava, 10th biennial Conference, ESTRO, 2009 (accepted) I/C of CA BM, AROI, Hyderabad, 2009.
86. Invited talk on At SNM, Agra, AMPI (NC) Convention, Feb. 2010
- 85.** Radiobiological Modeling of Therapeutic Outcome in Some Important Tumors
Singh Anuradha¹, Mishra S P¹, Paul B², Ghosh RR², Ranjana S², 1. Department of Medical Physics, 2. Department of Radiation Oncology, AMPI Annual convention, SGPGI, Lucknow, Nov 2010.
- 84.** Evaluation of Glandular Dose in Mammography Procedures and Analysis of Possible Implications, Varshney Sonu¹, Mishra S P², Khnaduja S¹, Vinita Gupta², Ahmad S². Department of Radiology & Imaging 2. Department of Medical Physics. AMPI Annual convention, SGPGI, Lucknow, Nov 2010.
- 83.** Recent advances in Laser Driven Applications in Imaging and Cancer therapy, an Analysis, S.P. Mishra¹, S K Khanduja² Sonu Varshney², Ranjana Srivastva³ Departments of ¹Medical Physics, ³Radiation Oncology and ²Radiodiagnosis & Imaging, Invited talk at University of Allahabad, International Conference on medical Application of Laser Dec. 2010,
- 82.** MSCT Image Based Dosimetry of Intestinal Implants in Carcinoma of Oral Cavity and Breast: An Innovative Approach in 3D Plan, Mishra S P¹, Paul B², Ghosh RR², Singh Anuradha¹, Ranjana S². Department of Medical Physics, 2. Department of Radiation Oncology, AMPI Annual convention, SGPGI, Lucknow, Nov 2010.
- 81.** Radiobiological Modeling (TCP) As a Predictive Tool in Planning Of Radiation Therapy Outcome in Some Important Tumors, Mishra S P¹, Ghosh RR², Paul B², Singh Anuradha¹, Ranjana S². Department of Medical Physics, 2. Department of Radiation Oncology, Invited talk at Annual Convention of ISRB, 2010, Chennai
- 80.** Recent advances in Laser Driven Applications in Imaging and Cancer therapy, an Analysis, S.P. Mishra¹, S K Khanduja² Sonu Varshney², Ranjana Srivastva³ Departments of ¹Medical Physics, ³Radiation Oncology and ²Radiodiagnosis & Imaging, Dec. 2010
- 79.** Radiobiological Modeling of Therapeutic Outcome in Some Important Tumors, Singh Anuradha¹, Mishra S P¹, Paul B², Ghosh RR², Ranjana S², 1. Department of Medical Physics, 2. Department of Radiation Oncology, Regional Cancer Centre, Kamala Nehru Memorial Hospital, Allahabad-211002, India, AMPI, Nov 2010, SGPGI, Lucknow
- 78.** Radiobiological Treatment plan evaluation: A comparative study of Co-60 treatment with High energy X Rays: Srivastava A. K., Shiva B. Arun, Mishra S. P, Mehrotra I, AMPICON 2010 SGPGI Lucknow, Special issue of Journal of Medical Physics, 2010 (ISSN: 0971-6203)

77. Recent advances in Laser Driven Applications in Imaging and Cancer therapy, an Analysis, S.P.Mishra¹, S K Khanduja² Sonu Varshney², Ranjana Srivastva³, Departments of ¹Medical Physics, ³Radiation Oncology and ²Radiodiagnosis & Imaging, Kamala Nehru Memorial Hospital, Regional Cancer Centre, Allahabad, India-211 002, NGBU, Alalhabad , jan 2011.
76. Evaluation of Glandular Dose in Mammography Procedures and Analysis of Possible Implications, Varshney Sonu¹, Mishra S P², Khnaduja S¹, Vinita Gupta², Ahmad S²
75. Department of Radiology & Imaging 2. Department of Medical Physics, Regional Cancer Centre, Kamala Nehru Memorial Hospital, Allahabad-211002, India, AMPI, Ludhiana 2011
74. Invited talk at AMPI (NC), TPS and innovations, Ludhiana, 2011
73. Invited talk at 3D Dosimetry in brachytherapy, 2011, AROI(UP-Chapter)
72. Futuristic trend in TPS for 4d RT, Invited talk at AMPI(NC), Ludhiana , Apr 2011
71. Glandular Dose measurement in mammography and its consequences. AMPI(NC), Ludhiana , Apr 2011

2000-1990

70. Status Report On The Radiation Safety Of The Diagnostic X-Ray Facilities In U.P (1988).
69. Time - Dose Model & Dose Reduction For Selectron - MDR - System (1989).
68. Our Experience With Theratron - 780 C - An Analysis (1989).
67. Contribution Of CT Scan In Treatment Planning - Preliminary Experiences With CTW - 700 Whole Body CT Scan (1989).
66. ICRU - 38 CT Supported Selectron Dosimetry S.P.Mishra, B.Paul, V.Bhandari, S.Kumar 17th IARP Conference Proceedings 1990 (24).
65. Role Of CT Scan (CTW-700) In Tumour Localization In Radiotherapy Planning. B.Paul, S.P.Mishra, P.Singh, V.Bhandari, S.Kuamr, 17th IARP Proceedings 1990(23).
64. Selection Of Beam Portals In Brain Tumour Boosting - Contribution Of CT Scan. B.Paul, S.P.Mishra, V.Bhandari, S.Kumar, P.Singh. 17th IARP Conference Proceedings 1990 (23).
63. Quality Assurance In Diagnostic Radiology - A Review. S.P.Mishra, Invited Talk At 6th National Workshop On Radiation Protection At SMS Medical College, Jaipur, (October, 1990).
62. Principles Of Artificial Radioisotope Production & Their Usages. S.P.Mishra, Invited Talk At 6th National Workshop On Radiation Protection At S.M.S. Medical College, Jaipur, October, 1990.
61. Our Experience With Theratron-780C - An Analysis. S.P.Mishra, B.Paul, V.Bhandari, S.Kumar, BMT, Bulletin, 1990.
60. Contribution Of CT Scan In Selection Of Beam Portals & Tumour Localization In R.T. Planning. S.P.Mishra, B.Paul, V.Bhandari, S.Kumar. Xth International Conference On Computers In Radiotherapy, 1990, (384).

59. CT Supported Selectron Dosimetry & ICRU - 38 Recommendations. B.Paul, S.P.Mishra, V.Bhandari, S.Kumar, Xth International Conference On Computers In Radiotherapy, 1990 (380).
58. CT Supported Dosimetry In The Treatment Of Tumours Of Thorax, Region, S.P.Mishra, V.Bhandari, B.Paul, S.Kumar. World Conference On Medical Physics, Kyoto, JAPAN (July 1991).
57. Contribution Of CT In ICRU-38 Based Dosimetry In Selectron LDR Intracavitary Treatment. S.P.Mishra, B.Paul, V.Bhandari, S.Kumar. World Congress On Medical Physics, Kyoto, JAPAN, (July 1991).
56. Evaluation Of Treatment Strategies Of Cervical & Body Uterus Carcinoma In The Light Of ICRU-38/39 Recommendations With CT Support. R.Baveja, S.P.Mishra, V.Bhandari. 7th International Meeting Of Gynaecological Oncology Held At Venice - ITALY (April 1991).
55. Multimodality Approach In Salvage Of Patients With Metastatic Ovarian Cancer (II). B.Paul, R.Baveja, K.Mukerji, I.Perhar, S.P.Mishra, V.Bhandari, S.B.Srivastava & N.Banerji. 7th International Meeting Of Gynaecological Oncology Held At Venice, ITALY, (April 1991).
54. Multimodality Approach In Salvage Of Patients With Metastatic Ovarian Cancer (II) B.Paul, R.Baveja, K.Mukerji, I.Perhar, S.P.Mishra, V.Bhandari, S.B.Srivastava & N.Banerji. AROI Annual Conference Chandigarh (1991).
53. Concurrent Radiotherapy & Low Dose Cisplatin In Advance Head & Neck Cancers-A Prospective Study. V.Bhandari, B.Paul, S.P.Mishra, AROI Meeting 1991, Cancer Institute, Madras.
52. Use Of Concurrent Low Dose Cisplatin & Radiotherapy In Advance Head & Neck Cancers- A Prospective Study. V. Bhandari, B. Paul, S.P. Mishra, B.K. Jindal, A George. Xiiiith AROI Conference, Manipal (February 1992).
51. Control Of Radiation Exposure In Radiotherapy Department. S P Mishra. Invited Talk "Course On Radiation Safety- CME Programme", SGPGI, Lucknow, (February 1992).
50. Safety Consideration Is Planning Of Radiation Installations. S P Mishra. Invited Talk "Course On Radiation Safety AME Programme", SGPGI, Lucknow, (February 1992).
49. Dosimetry Consideration In The Treatment Planning Of Tumours Of Thoracic Region. S P Mishra. B. Paul, V. Bhandari, S. Kumar. International Conference On Medical Physics & Radiation Safety, (ICMP- 1992).
48. Radiation Safety Problems In Diagnostics Radiology - A Survey In The Light Of ICRP-60. S P Mishra. B. Paul, S. Kumar, V. Bhandari. International Conference On Medical Physics & Radiation Safety, ICMP(1992).
47. Clinical Evaluation Of Dose Rate Effect In Brachytherapy. B. Paul. S. P. Mishra, V Bhandari, R. Ghosh. International Conference On Medical Physics & Radiation Safety. (ICMP 1992)
46. Control Of Radiation Exposure In Radiotherapy- Practical Aspect Of Quality Control. S. Khan, S Kumar, S P Mishra, B Paul, V Bhandari. International Conference On Medical Physics & Radiation Safety (ICMP 1992)

45. CONTRIBUTION OF CT SCAN IN SELECTION OF BEAM POSTAL TUMOUR LOCALIZATION & DOSIMETRIC IMPROVEMENT IN RADIOTHERAPY PLANNING. S P MISHRA, B PAUL. IVTH INTERNATIONAL CONFERENCE On Application Of Physics In Medicine And Biology- An Advanced Detectors For Medical Imaging - GiorgisAlberi Memorial. Sept. 92 Trieste Italy (ICTP).
44. Clinical Evaluation Of Medium Dose Rate Response In Treatment Of Carcinoma Cervix. A 5 Years Experience. B Paul, S P Mishra, V Bhandari, S Kumar, R Ghosh. 11th International WORKING PARTY MEETING & CONFERENCE ON THE TREATMENT OF CARCINOMA CERVIX UTERII IN DEVELOPING COUNTRIES OCTOBER 1992. TRIVENDRUM.
- 43 Analysis & Dosimetric Consideration Of CT Supported & Conventional RT Planning In CA- Oesophagus. V Bhandari. B Paul, S P Mishra, S Kumar. XIV National Conference Of AROI. Hyderabad February 1993.
42. 3D-Treatment Planning In Radiotherapy With Special Reference To ICRU -38. S P Mishra. Guest Lecture, Ind UP - Delhi, Chapter Convention AMPI Kanpur, February 1993.
39. RADIOBIOLOGICAL CONSIDERATIONS & CLINICAL EVALUATION OF MEDIUM DOSE RATE RESPONSE IN TREATMENT OF CARCINOMA CERVIX UTERII (XIV AMPI CONFERENCE, NAGPUR, OCT.'93) B PAUL, S P MISHRA, R GHOSH, S KUMAR.
38. Role Of Whole Body CT Scan In Radiation Dosimetry And Radiotherapy Treatment Planning. S P Mishra, A N Vishnoi, S Kumar. SahaCentenaryCelebrationUniversity OfAllahabad. Oct, 93.
37. CT Supported Selectron MDR Dosimetry And Dose Rate Effect In The Light Of ICRU.- Recommendations, S P Mishra, B Paul, S. Kumar, R Ghosh. XIV AMPI Conference, Nagpur,(Oct.'93)
36. Quality Assurance & Radiation Safety Problems In Whole Body CT Scan & Diagnostic Radiology: Dose Reduction. S P Mishra, P. Singh, B Paul, S Khanduja. XIV AMPI Conference, Nagpur, (Oct.'93)
35. Dose Specification In Brachytherapy. S P Mishra. Invited Panel Discussion. XIV AMPI Conference, Nagpur,(Oct.'93)
34. Quality Assurance In C.T. Scan-Our Experiences With Hitachi C.T.W. 700. Invited Talk Delivered At International Symposium Held At A.I.I.M.S., New Delhi,(Feb'94)
- 33.. Quality Assurance Programme In CT Scan - Our Experiences With Hitachi CTW-700 System. Invited Talk, Xvth AMPI Conference, Ahamadabad,(Nov.'95.)
32. Changing Concepts In Brachytherapy. S P Mishra, Vinita Gupta. AMPI News Letter, U.P. Delhi Chapter, Vol 2, No.1
31. Current Trends In Radiation Dosimetry TRS 277. Invited Talk, Vth U. P.-Delca Meet INMAS New Delhi, (March 95)
30. Adequate Quality Assurance In Whole Body C.T. Scan - An Analysis In Indian Context. Mishra S P, Gupta Vinita, Kumar S, Khanduja S, Vishnoi A N. Roentgen Centenary Congress, Wurzburg, Germany,(Sept.' 95)
29. Whole Body X-Ray C.T. Scanner - Current State Of Art In Imaging And Tissue Quantitative Analysis. Vinita Gupta, S P Mishra, A N Vishnoi. X- Ray Centennial Celebration, National Seminar On X- Ray Spectroscopy, Department Of Physics, Nagpur University,(Oct.'95.)

28. Safe Work Practices In X-Ray And Current International Regulations. S P Mishra, Vinita Gupta, Sanjeev Kumar, AN Vishnoi. X-Ray Centennial Celebration, National Seminar On X-Ray Spectroscopy, Department Of Physics, Nagpur University, (Oct.'95.)
27. C.T. Aided Treatment Planning. Invited Talk In Training Programme In Radiology And Imaging Sciences. AIIMS, New Delhi. (Oct.'95)
26. Recent Advances In Treatment Planning. Invited Talk In Training Programme In Radiology And Imaging Sciences. AIIMS, New Delhi. (Oct.'95)
25. Development Of An All Purpose Composite Phantom For Quality Assurance In C.T. Scan. Vinita Gupta, S P Mishra, S Khanduja, S Kumar. Xvith AMPI Annual Conference, Jodhpur, (Nov.'95)
24. Radiotherapy Planning Of The Tumours Of Thorax Region With Support Of C.T. Scanner. Invited Talk Xvith AMPI Annual Conference, Jodhpur, (Nov'95)
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Some other Presentations & Publications

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