

### 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](mailto: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
<b>Technical Expert at International Assignments with IAEA</b>		
<ul style="list-style-type: none"><li>▪ Co-opted by International Atomic Energy Agency (IAEA) , Vienna as <b>Technical Expert</b> for the Regional Training Course On Radiation Protection And Safety In Radiotherapy for <b>West Asia</b> conducted by IAEA, Vienna July, 2003 at <b>King Hussain Cancer Hospital, Amman.</b></li><li>▪ Member <b>PACT</b> ( Programme of Action for cancer Therapy-<b>United Nations</b>) Committee of IAEA ,Vienna – Apr -2009</li></ul>		
DST ( GOI)	Served as advisor about Quality assurance in radiological sciences	

**4.TotalWork Experience : 36 Years**

**5: High end Oncology and Medical facilities Installed and 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: 4Nos of CT scanners ,6nos 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 andTeaching Experience :**

- **More than 22 YearsPG Teaching as Sr faculty ( DNB, MD)PG teaching experience of Medical Physics, Biomedical engineering, Radiation Biology, Radiological Safety, PG Curriculum forRadiotherapy and Radiology, at RCC, Kamala Nehru Memorial Hospital, Allahabad.**
- **Co-Guided several, (More than 15) 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 facultyand 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.*
- *CTOrgan 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 ofTSG)*
- *New radiobiological Models for optimization of RT plan for enhanced tumour response( on going)*

**8. JOB RESPONSIBILITIES HANDLED: Development and rejuvenationof Radiation Cancer treatment from scratchleading 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 Coordination and Preparation of 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 care services.
- 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 establishing a **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 of RCC, 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. Project Entitled 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. MISHRA<sup>1</sup>, PROF MLB BHATT<sup>2</sup>. 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 150 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. Bundelkhand Univ. Bareilly
- c. K G MU, Lucknow
- d. Ruhelkhand Univ. Nainital

Examiner for Ph D: University of Mumbai

C: Supported 2 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

**(6 More 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, 2016**

## List of Publications and Presentations (More than 135) of Dr. S. P. Mishra

1. Measurement Of Gonadal Dose During Gamma-Ray Beam Therapy Using T.L.D.- Dissertation At DRP, BARC, Bombay (1978-1979).
2. Radiation In Cancer Treatment, The Radiotherapy - Goa Cancer Society Journal (1979).
3. Role Of Electronic Equipments In Management Of Malignancy The CAT & LINAC. Fourth All India Symposium On Instrumentation Madhav Institute Of Technology, Gwalior (1983).
4. Time Dose Relationship & Gap Correction's In Radiotherapeutic Schedule - IIRD M.P. State Radiological Conference, G.R. Medical College, Gwalior (1983).
5. Moving Strip Technique In Large Volume Irradiation By Cobalt60 Beam-1st-IIRD M.P. State Radiological Conference, G.R. Medical College, Gwalior (1983).
6. Moving Strip Technique In Large Volume Irradiation By Cobalt60 Beam-2nd-AMPI, BARC, Bombay (1985).
7. Experience With Theratron - 780 Of Atomic Energy Of Canada Ltd., (AECL) In Indian Context - AMPI BARC, Bombay (1985).
8. Preliminary Trial Of Tri-Weekly Fraction In The Radiotherapeutic Management Of Ca Cervix & Oral Cancer AMPI, BARC, Bombay (1985).
9. Split Course Radiotherapy In The Management Of Advance Carcinoma Of Oral Cavity - IOMP Asian Regional Conference In Medical Physics (BARC) Bombay (1986).
10. Radiation Emergencies In Radiotherapy Practices BRNS (BARC) (1987).
11. Selectron LDR System - An Early Experience. 3rd Conference On Brachytherapy Hague, The Netherland (1988).
12. Status Report On The Radiation Safety Of The Diagnostic X-Ray Facilities In U.P (1988).
13. Time - Dose Model & Dose Reduction For Selectron - MDR - System (1989).
14. Our Experience With Theratron - 780 C - An Analysis (1989).
15. Contribution Of CT Scan In Treatment Planning - Preliminary Experiences With CTW - 700 Whole Body CT Scan (1989).
16. ICRU - 38 CT Supported Selectron Dosimetry S.P.Mishra, B.Paul, V.Bhandari, S.Kumar 17th IARP Conference Proceedings 1990 (24).
17. 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).
18. 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).
19. 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).
20. 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.
21. Our Experience With Theratron-780C - An Analysis. S.P.Mishra, B.Paul, V.Bhandari, S.Kumar, BMT, Bulletin, 1990.
22. 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).
23. 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).
24. 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).
25. 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).
26. 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).

27. 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).
28. 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).
29. 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.
30. 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).
31. Control Of Radiation Exposure In Radiotherapy Department. S P Mishra. Invited Talk "Course On Radiation Safety- CME Programme", SGPGI, Lucknow,(February 1992).
32. Safety Consideration Is Planning Of Radiation Installations. S P Mishra. Invited Talk "Course On Radiation Safety AME Programme", SGPGI, Lucknow,( February 1992).
33. 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).
34. 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).
35. 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)
36. 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)
37. 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).
38. 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.
39. 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.
40. 3D-Treatment Planning In Radiotherapy With Special Reference To ICRU -38. S P Mishra. Guest Lecture, Iind UP - Delhi, Chapter Convention AMPI Kanpur, February 1993.
41. 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.
42. 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.
43. 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)
44. 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)
45. Dose Specification In Brachytherapy. S P Mishra.Invited Panel Discussion. XIV AMPI Conference, Nagpur,( Oct.'93)

46. 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)
7. Quality Assurance Programme In CT Scan - Our Experiences With Hitachi CTW-700 System. Invited Talk, Xvth AMPI Conference, Ahamadabad,(Nov.'95.)
48. Changing Concepts In Brachytherapy. S P Mishra, Vinita Gupta. AMPI News Letter, U.P. Delhi Chapter, Vol 2, No.1
49. Current Trends In Radiation Dosimetry TRS 277. Invited Talk, Vth U. P.-Delca Meet INMAS New Delhi, (March 95)
50. 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)
51. 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.)
52. 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.)
53. C.T. Aided Treatment Planning. Invited Talk In Training Programme In Radiology And Imaging Sciences. AIIMS, New Delhi. (Oct.'95)
54. Recent Advances In Treatment Planning. Invited Talk In Training Programme In Radiology And Imaging Sciences. AIIMS, New Delhi. (Oct.'95)
55. 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)
56. Radiotherapy Planning Of The Tumours Of Thorax Region With Support Of C.T. Scanner. Invited Talk Xvith AMPI Annual Conference, Jodhpur, (Nov'95)
57. Development Of An All Purpose CT Phantom For Optimization Of Quality Assurance In CT Scanner. Vinita Gupta, S.P. Mishra. 15th Annual ESTRO Meeting, Vienna, Austria.(Sept. 1996)
58. Dosimetric Application Of CT Data In Treatment Planning Of Ca. Cervix Uterii And Oesophagus. S.P.Mishra, S.Kumar, V.Gupta. 15th Annual ESTRO Meeting, Vienna, Austria.(Sept. 1996)
59. CT Aided Planning In Radiotherapy: Rad Plan Users Meet, Invited Talk, JK Cancer Institute, Kanpur, Feb:1997
60. Inhomogeneity Correction And Dosimetric Application Of CT Data In Treatment Planning Of Tumour Of Thorax. S.P.Mishra, S.Kumar, Vinita Gupta. World Congress on Medical Physics And Biomedical Engineering, Sept. 97, NICE, France.
61. Development Of An Purpose Comprehensive CT Phantom For Performance Evaluation And Organ Dose Measurement In CT Scanner. Vinita Gupta, S.P.Mishra. World Congress On Medical Physics And Biomedical Engineering, Sept. 97, NICE, France.
62. Patients Organ Dose Measurement In CT Scanner Using TL Dosimeter. S.P.Mishra, Vinita Gupta. National Symposium On Radiation And Molecular Biophysics. BARC, Mumbai, Jan. 98.
63. Image Quality Assurance In CT Scanner And Development Of A Comprehensive CT Phantom. Vinita Gupta, S.P.Mishra. National Symposium On Radiation And MOLECULAR BIOPHYSICS. BARC, MUMBAI, JAN. 98.
64. PATIENT'S ORGAN DOSE MEASUREMENT IN CT SCANNER USING TL DOSIMETER. S.P.MISHRA, VINITA GUPTA, MAIR 98, HYDERABAD.
65. Dose To Local Anatomy In Gynaecological Brachytherapy: Co- Relation Of Computed Dose From Treatment Planning System With TL Measurement : S. P. Mishra, B. Paul, P. Narayan, International Conference On Medical Physics, Nov. 1998, AIIMS, New Delhi.
66. Radiotherapy Planning Of The Tumours Of Thorax Region With Support Of CT Scanner And Portal Planning, S. P. Mishra, B. Paul, P. Narayan, International Conference On Medical Physics, Nov. 1998, AIIMS, New Delhi.

67. CT Supported Radiotherapy Planning And Recent Advances, S. P. Mishra, P.Narayan, Vinita Gupta, AMPI UP-Delhi Chapter Conference, Apr-1999, HPPCH, Gorakhpur.
68. Organ Doses Assessment In CT Scanner And Patient Dose Reduction, An Estimation In Indian Context. V. Gupta, S.P.Mishra, P.Narayan 19th Annual ESTRO Meeting, Istanbul, Turkey, September 2000.
69. 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.
70. 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
71. Application Of Whole Body X-Ray CT Scanner In Radiation Treatment Planning And Recent Advances, S. P. Mishra, A. N. Vishnoi, Vinita Gupta, ShaliniJaiswal , Allahabad University Scientific Journal.
72. Study Of Quality Assurance Practices In Diagnostic X-Ray Installations And Its Correlation In Patient Dose Reduction, ShaliniJaiswal, 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.
73. 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.
74. Recent Advances In Radiotherapy And Intensity Modulated Radiotherapy, ,IX The Annual Convention Of AAMPI, Up- Delhi Chapter, ( Invited Talk) , May 2002, JKCI, Kanpur.
75. 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.
76. 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.
77. 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
78. 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
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#### **Evaluating the four-dimensional cone beam computed tomography with varying gantry rotation speed**

<sup>1</sup>S A YOGANATHAN, MSc, <sup>1</sup>K J MARIA DAS, PhD, <sup>2</sup>SHAJAHAN MOHAMED ALI, MSc, <sup>1</sup>ARPITA AGARWAL, MSc, <sup>2</sup>SURENDRA P MISHRA, PhD and <sup>1</sup>SHALEEN KUMAR, MD

<sup>1</sup>Department of Radiotherapy, Sanjay Gandhi Post-graduate Institute of Medical Sciences, Lucknow, Uttar Pradesh, India  
<sup>2</sup>Department of Radiation Oncology, Dr Ram Manohar Lohia Institute of Medical Sciences, Lucknow, Uttar Pradesh, India

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3. **Prof G K Rath** , Director, BRAIRCH, AIIMS, New Delhi

July : 2016

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