

## Curriculum - vitae

Name	: Dr. THARMARNADAR GANESH
Date of Birth	: May 11, 1961
Last held position	: <b>Former Chief Medical Physicist</b> Department of Radiation Oncology Manipal Hospitals Dwarka New Delhi - 110075
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### Educational Qualifications

- **Diplomate of American Board of Radiology - *Certification in Therapeutic Medical Physics* – Year 2013**
- **Ph.D.**, from All-India Institute of Medical Sciences, New Delhi, India – Year **2000**
- **M.Phil., in Radiation Physics** from Anna University, Madras, India – Year **1986**
- **Radiological Safety Officer** certificate from the erstwhile Division of Radiological Protection, Bhabha Atomic Research Center, Bombay, India – Year **1984**
- **M.Sc., (Applied Sciences in Medical Physics)** from Anna University, Madras, India – Year **1983**

### Current positions in professional bodies

- **Associate Editor, Journal of Medical Physics**

### Professional Experience

- More than **38 years of experience in Medical Physics, mainly in Radiation Oncology Physics**
- Played key roles in establishing, running and improving Radiation Oncology Physics services in leading cancer centers
- Key interests in establishing paperless workflow, data mining in radiation oncology department - Played a key role in implementing the first ever paperless workflow using MOSAIQ at Fortis Memorial Research Institute, Gurgaon
- Long working experience on IMRT, 3-D treatment planning, CT simulation, all forms of brachytherapy and stereotactic radiosurgery
- Familiar with Hospital Radiation Safety Program in the recognition, evaluation and control of radiological hazards to employees and the general public

- Have participated in several clinical research projects in the Department of Radiation Oncology

## **Details of Teaching and Professional Experience**

1. Worked as ***Teaching-cum-Research Fellow*** for **1 year and 6 months in Anna University**, Chennai India during Nov, 1983 to May, 1985.
2. From October 24, 1985 to September 1, 2007, I worked in the Department of Radiotherapy, Dr. BRAIRCH, All-India Institute of Medical Sciences (AIIMS) as ***Medical Physicist*** and have a total **experience of 21 years & 10 months in that institution**.
3. **From December 3, 2007 until June 2013**: Worked as ***Senior Medical Physicist*** at the King Fahad Specialist Hospital, Dammam, Kingdom of Saudi Arabia **(5 yrs and 6 months)**.
4. **July 1, 2013 until Feb 28, 2018**: ***Chief Medical Physicist***, Fortis Memorial Research Institute, Gurgaon, India
5. **April 2, 2018 until March 31, 2021**: ***Chief Medical Physicist***, Manipal Hospitals Dwarka, Dwarka, New Delhi, India

## **Teaching/Academic Experience**

### **Teaching Experience**

1. During my tenure as Teaching-cum-Research Fellow in the Anna University during Nov 1983 to May 1985, I was taking Medical Physics classes to the M.Sc., Medical Physics students and Physics classes to the undergraduate students.
2. At the All-India Institute of Medical Sciences, I was taking Radiation Oncology Physics classes to the students of MD., Radiotherapy and B. Sc., Nursing.
3. At FMRI, Gurgaon (current institution) taking classes for DNB Radiation Oncology and DNB Radiology students.

### **Examiner for Ph.D Exams and Co-Guide for Ph.D., Thesis Works**

1. Served as Ph.D., examiner for a total of seven candidates for the following universities:
  - a. The Tamilnadu Dr. MGR Medical University, Chennai – *four candidates*
  - b. SGPGI, Lucknow – *one candidate*
  - c. Anna University, Chennai – *one candidate*
  - d. Manipal Academy of Higher Education, Manipal – *one candidate*
2. Was co-guide to one Ph.D., student who has been awarded the degree. Currently I am co-guide for another Ph.D., student.

### **Examiner for M.Sc. and B.Sc. courses**

1. Served as examiner for the M.Sc. Medical Physics students of the Anna University, Chennai.
2. Served as examiner for the B.Sc. Medical Technology students of the PGIMER, Chandigarh.

### **Editorial Board Member and Peer-reviewer in Journals**

1. Peer-reviewer for the ***Clinical Oncology***, an indexed international journal for the last more than 7 years.
2. I am currently the **Associate Editor** for the ***Journal of Medical Physics*** which is an indexed journal. The journal has only two Associate Editors and one Editor-in-Chief. I have peer-reviewed more than 45 articles in the last 10 years for the journal.
3. Peer reviewer for ***Journal of Applied Clinical Medical Physics***, a reputed international journal in the Medical Physics field.
4. Peer reviewer for ***European Journal of Medical Physics*** another reputed international journal.

### **Visit to Indonesia as an Expert**

1. On an invitation from the **University of Indonesia, Jakarta, Indonesia**, I visited Jakarta, Indonesia during June-July, 2003 and single handedly trained a group of Radiation Oncologists and Medical Physicists from all over their country in external beam therapy treatment planning and brachytherapy treatment planning.

### **Visit to Kingdom of Saudi Arabia as an Expert**

1. On invitations from **King Fahad Specialist Hospital, Dammam, Kingdom of Saudi Arabia**, I visited that hospital thrice during 2005-2006 for the clinical commissioning of their radiation oncology services including two state-of-the-art linear accelerators. These visits were for a total of 62 days.

### **Visits to institutions in India as an Expert**

1. Visited PGIMER, Chandigarh on their invitation to clinically commission their state-of-the-art linear accelerator and radiotherapy treatment planning system.
2. Visited Kolkata Medical College, Kolkata on invitation from them for the clinical commissioning and training of their 3-D treatment planning system.

### **Invited talks / Guest Speaker / Member of Scientific Committees**

1. As an Invited Speaker / Guest Lecturer, **I have delivered several invited talks / guest lectures / oration** in many International, National, Regional Conferences, Workshops,

Symposia and Seminars. **I have served as the Member of Scientific Committee** in several National Conferences.

2. For the last seven **ESTRO Teaching Courses** that were held in India, I was invited as faculty member.

**Evaluator for project works**

1. Served as Evaluator for project proposals from Council of Scientific and Industrial Research (CSIR) and Atomic Energy Regulatory Board (AERB), India.

**Member of Selection Committees**

1. Served as Member of Staff Selection Committee, Government of NCT, New Delhi and Member of Selection Committee, Delhi State Cancer Institute, Delhi.

**Member of Purchase / Specification Committees**

1. Served as **Technical Expert / Member** in the Specification Committee / Purchase Committee for the purchase of advanced RT equipments in SKIMS, Srinagar, Government of Jammu & Kashmir; Uttaranchal Forest Hospital Trust, Haldwani; PGIMER, Chandigarh and Delhi State Cancer Institute, Delhi.

**Member of Professional Bodies & Academic Colleges**

1. Member of **American Association of Physicists in Medicine (AAPM)**.
2. Life-member of **Association of Medical Physicists of India** and had served the body as *Executive Committee Member*.
3. Founder member of **College of Medical Physics of India**. Served the college as its **Chairman**.
4. Life-member of **Association of Radiation Oncologists of India** and had served the association as its **Treasurer** for seven continuous years and as its **Joint Secretary** for 2 years.
5. Founder life-member of **Indian Brachytherapy Society**.