



## **Dr. Pradeep Kumar Karumanchi**

**Qualification:** MBBS, ECFMG (USA), DNB (Radiation Oncology)

**Department:** Radiation Oncology

**Designation:** Consultant Radiation Oncologist

**Languages:** English, Hindi, Telugu

**Experience:** 15 yrs

### **About the Doctor**

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Dr. Pradeep Kumar Karumanchi is a Consultant Radiation Oncologist working at Yashoda Hospitals, Somajiguda, with over 15 years of experience. He received his training at prestigious institutions in India and abroad. He has been trained in High Precision Radiotherapy Techniques like MR LINAC, Cyberknife, Radiosurgery, 4D Gated Radiation therapy and Brachytherapy. He also received speciality training in Uro-oncology and Gastrointestinal Oncology from the world-renowned Memorial Sloan-Kettering Cancer Centre (MSKCC) in the United States. He received his training in Thoracic Oncology from the University of Michigan in the United States; Precision Oncology from the University of Geneva in Switzerland; and specialized training in Cyberknife Robotic Radiosurgery from Accuray, USA. He is a pioneer in MR LINAC technology in India, the first of its kind in India – a revolutionary advancement that enables real-time adaptive MRI- Guided Radiation Therapy for complex and critical cancer cases. He is one of the very few oncologists to practice Hypofractionation in various cancers to treat cancers in very short time and increased efficiency especially in elderly people. He is an expert in innovative Functional Radiosurgery utilizing radiation for non cancerous diseases like Trigeminal Neuralgia, Osteoarthritis, Parkinson's Disease, keloids, many more benign conditions without any side effects. He is actively involved in clinical research and has numerous scientific publications in prestigious international journals. He is particularly interested in Radiomics and Radio-genomics and Artificial Intelligence in Oncology. He treats all types of cancer and specialises in radiotherapy for head and neck cancers, brain tumours, breast cancer, lung cancer, prostate cancer, gastrointestinal, and gynaecological cancers.

## Educational Qualifications

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- Cyberknife CNS & Physician Training-Accuray, USA
- Precision Oncology-Université de Genève, Switzerland
- Thoracic Oncology-University of Michigan, USA
- DNB (Radiation Oncology), Healthcare Global Cancer Hospital (HCG)
- ECFMG (USA)
- MBBS, Osmania Medical College

## Experience

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- Received Specialty Training in Urologic Oncology, Robotic Surgery & Hepato-Pancreatico-Biliary Oncology from Memorial Sloan Kettering Cancer Center (MSKCC), New York, USA
- Consultant Radiation Oncologist, Yashoda Hospitals, Somajiguda, Hyderabad
- Consultant Radiation Oncology, HCG Cancer Centre, Gulbarga
- Consultant Radiation Oncology, Bangalore
- DNB Resident, Radiation Oncology, Healthcare Global (HCG) Cancer Center, Bangalore
- Consultant General Physician, Apollo Homecare, Hyderabad
- Defence Medical Officer, ECHS Polyclinic (Ministry of Defence, Government of India), Bowenpally, Hyderabad
- Clinical & Research Associate, New York Presbyterian Queens (NYPQ)-Cornell University, NY, USA
- Family Medicine Clinical Externship, The Brooklyn Hospital Center, NY, USA
- Cardiothoracic Surgery Clinical Externship in Long Island Jewish Medical Center, Teaching Hospital of Albert Einstein College of Medicine of Yeshiva University & North Shore-LIJ Health System, NY, USA
- Gastrointestinal Oncology Clinical Externship, Memorial Sloan Kettering Cancer Center (MSKCC), NY, USA
- Urologic Oncology Clinical Externship, Memorial Sloan Kettering Cancer Center (MSKCC), NY, USA
- Clinical Internship, Osmania Medical College, Hyderabad

## Services Offered

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- Advanced Radiation Techniques for Cancer: MRLINAC - MRI Guided Radiation Therapy Stereotactic Radiosurgery (SRS) Stereotactic Body Radiotherapy (SBRT) Total Body Irradiation (TBI) Image Guided Radiotherapy (IGRT) Intensity Modulated Radiotherapy (IMRT) RapidArc (VMAT) Accelerated Partial Breast Radiotherapy (APBI) 3D Conformal Radiotherapy (3DCRT) Brachytherapy (Internal Radiation Therapy): IntraCavitary Brachytherapy (ICBT) Interstitial Brachytherapy (ISBT) Intraluminal Brachytherapy (ILBT) Radiotherapy for Breast Cancer, Gynecological Cancers, Head and Neck Cancers, Sarcomas, Brain

## Awards and Achievements

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- Top-Notch Oncologist in India by Global Excellence Awards - 2025
- Top 10 Rising Stars in India 2025, by Heights of Success Magazine
- Ugadi Puraskaram 2025, by Journalist club of Telangana.
- India's Best Doctor Award - Excellence In Oncology, 2024
- APJ Abdul Kalam Health Awards 2024
- Vaidya Ratna awarded by Airaa Icon awards in collaboration with Telangana tourism ministry 2022
- AIRAA ICON Awards 2022
- Scientific presentations and achievements
- Oral Presentation, ASTRO-2020: Oral Scientific Session: Intrastromal Therapy In-sync with Featured Stereotactic Body Radiotherapy (SBRT)-Fixing the Defiant Tumor Microenvironment-A Proof of Concept Study. G. Lohith, P. Karumanchi, K. Kallur, K. Sekar, V. Kumar, S. Swamy, R. Naik, and B. Ajai Kumar
- Poster Presentation: Apollo Cancer Conclave-2020, Dosimetric evaluation of adaptive radiotherapy in patients with head and neck carcinoma treated using helical tomotherapy. Pradeep Kumar Karumanchi, Somorat Bhattacharjee, M S Belliappa, Lohith G
- Poster Presentation: AROICON 2018-Reirradiation in head & neck cancers using SBRT-A retrospective study
- Poster Presentation: AROICON 2018-Metastatic Malignant Chondroid Syringoma: A Rare Case Scenario. Mahalaxmi Aal, Vijay Bhaskar Lakshman, Pradeep Kumar Karumanchi, Gopinath Kodaganur Srinivas, Amarendra Shankarappa, Bindiya Vijayan
- Best Paper Presentation: Oral-51st National Conference of IPHA-A study of adherence to therapy among Diabetes mellitus patients attending different hospitals of Hyderabad, India
- Best Paper Presentation-52nd National Conference of Anatomical Society of India, Dec 2004-A comparative study of fetal and adult circulation
- Best Oral Presentation at International Medical Students Seminar, Nepal, 2005-South Asian Conflicts-Strategies to Solve

## Professional Membership

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- American Society of Clinical Oncology (ASCO)
- Executive Committee Member, International Association of Oncology (IAO)
- Organizing Committee Member, Asia Pacific Cancer Congress (APCC)
- Bangalore Oncology Group (BOG)
- Association of Radiation Oncologists of India (AROI)
- Member, International Core Group, Student Movement-International Physicians

for Prevention of Nuclear War (IPPNW) [Recipient-Nobel Peace Prize, 1985]

- Editor-In-Chief: I-NEXUS, Medical Students National E-Magazine for IDPD, India
- Founder & Executive Editor, World of Surgery & Surgery Tube, Informative Web Portals
- Central Council Member, Indian Doctors for Peace & Development (IDPD)
- Medical Student Representative for South India, IPPNW & IDPD
- State Medical Student Representative, IDPD
- Member, Indian Public Health Association
- Student Reviewer-Student BMJ
- Editorial Intern-Journal of Scientific Medicine
- Medical Council of India

## Research & Publications

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- National Publications  
Dosimetric evaluation of adaptive radiotherapy in patients with head and neck carcinoma treated using helical tomotherapy. Pradeep Kumar Karumanchi, Somorat Bhattacharjee, M S Belliappa, Lohith G- Apollo Cancer Conclave-Feb 2020.  
Metastatic Malignant Chondroid Syringoma: A Rare Case Scenario. Mahalaxmi Aal, Vijay Bhaskar Lakshman, Pradeep Kumar Karumanchi, Gopinath Kodaganur Srinivas, Amarendra Shankarappa, Bindiya Vijayan-Journal of Case Reports-2020; 18-20.  
Reirradiation in head & neck cancers using SBRT-A retrospective study, Poster Presentation-AROICON 2018.  
Metastatic Malignant Chondroid Syringoma: A Rare Case Scenario. Mahalaxmi Aal, Vijay Bhaskar Lakshman, Pradeep Kumar Karumanchi, Gopinath Kodaganur Srinivas, Amarendra Shankarappa, Bindiya Vijayan-Poster Presentation, AROICON-2018  
A study of adherence to therapy among Diabetes mellitus patients attending different hospitals of Hyderabad, India Oral Presentation at 51st National Conference of IPHAA comparative study of fetal and adult circulation-Poster Presentation-52nd National Conference of Anatomical Society of India, Dec 2004.  
South Asian Conflicts-Strategies to Solve-Oral Presentation at International Medical Students Seminar, held in Nepal in December 2005
- Research Experience  
Role of stereotactic body radiotherapy in metastatic thyroid cancer-HCG Cancer Center, Bangalore. PI: Dr. Sridhar PS  
Stereotactic body radiotherapy (Cyberknife) boost post external beam radiotherapy for carcinoma lung- HCG Cancer Center, Bangalore. PI: Dr. Sridhar PS  
Stereotactic body radiotherapy (Cyberknife) using X-sight tracking system for carcinoma lung- HCG Cancer Center, Bangalore. PI: Dr. Sridhar PS  
Stereotactic body radiotherapy (Cyberknife) in carcinoma lung for treating primary lung lesions with lymph node metastases- HCG Cancer Center, Bangalore. PI: Dr. Sridhar PS  
Research Associate in Emergency Medicine, New York Hospital of Queens, NY, USA. Jul 2012-Mar 2013: PI: Dr Michael S. Radeos, Research Director, Emergency Medicine, NYHQ, NY, USA. Participated in the clinical research studies of : a) Hypotension Study b) Chest Pain Study c) IV Contrast Study d) Geriatrics Health Care Study and e) Medical Scribe Study".  
Research Associate in Pediatrics, New York Hospital of Queens, NY, USA. Jul 2012-Mar 2013: PI: Dr Pinchi Srinivasan, Director of Neonatology, New York Hospital Queens, NY, USA. a.

"Transcutaneous Bilirubin Nomogram Study in healthy neonates of Asian population." b. "Eosinophilic Esophagitis: Co-incidence or an Important Finding!" Case Reports of Two Children with Kwashiorkor and Multiple Food Allergies. Dept of Pediatrics, NYHQ, NY, USA. Memorial Sloan-Kettering Cancer Center, New York, NY, USA. Apr 2009-Jun 2009, PI: Dr. Paul Russo, Urologist, "Long term surgical outcomes of Cystic Clear Cell Renal Cell Carcinoma"

- International Indexed Publications  
 Intrastromal Therapy In-sync with Featured Stereotactic Body Radiotherapy (SBRT)-Fixing the Defiant Tumor Microenvironment-A Proof of Concept Study. G. Lohith, P. Karumanchi, K. Kallur, K. Sekar, V. Kumar, S. Swamy, R. Naik, and B. Ajai Kumar ASTRO-2020: Oral Scientific Session, International Journal of Radiation Oncology Biology Physics (IJROBP), Volume 108, Issue 3, Supplement, s92-s93, November 01, 2020.  
 Trigeminal neuralgia secondary to vertebrobasilar dolichoectasia treated with cyberknife stereotactic radiosurgery. Lakshman Vijay Bhaskar, Aai Mahalaxmi, Karumanchi Pradeep Kumar, Jaleel Ayesha, Iyer Aarthi Pashupathy. Asian Journal of Neurosurgery, 2019;14-3:978-980.  
 Evaluation of interim PET CT scan as predictor for early response to Chemoradiotherapy in locally advanced H&N cancer-Retrospective study. P.S. Sridhar, G.H. Abilash, K. Roopesh, N. Madhusudhan, M. Hamid, S. Kundavai, P. Anuradha, A. Mandava, A. Jerrin, K. Kallur, K. Venkatachala, P. Karumanchi, I. Desai, S. Lakshmi, G.R. Prashanth, S. Revannasiddaiah, A. Ram, G. Kilara, R.S. Bilimagga, B. Ajai Kumar; International Journal of Radiation Oncology Biology Physics (IJROBP). Volume 102, Issue 3, Supplement, e279-e280, November 01, 2018.  
 PET-CT Scan As Predictor for Response to Chemoradiotherapy in Carcinoma Cervix: A Retrospective Study. P.S. Sridhar, S. Kundavai, K. Roopesh, N. Madhusudhan, G.H. Abilash, A. Mandava, P. Anchineyan, P. Karumanchi, B. Ajaikumar, S. Mahadevappa. International Journal of Radiation Oncology Biology Physics (IJROBP). Volume 105, Issue 1, Supplement, e325, September 01, 2019.  
 Impact of Intra-Rectal Amifostine in Prostate Cancer Patients treated with SBRT-CK, P.S. Sridhar, K. Roopesh, M. Praveen Kumar, G.H. Abilash, S. Kundavai, A. Mandava, P. Karumanchi, R.S. Bilimagga, M. Hamid, L. James, B. Ajaikumar. International Journal of Radiation Oncology Biology Physics (IJROBP). Volume 105, Issue 1, Supplement, E309, September 01, 2019.  
 Role of Local SBRT in Metastatic Carcinoma Prostate Treated with Hormone Therapy, P.S. Sridhar, K. Roopesh, G.H. Abilash, M. Praveen kumar, S. Kundavai, A. Mandava, N. Madhusudhan, P. Karumanchi, M. Hamid, R.S. Bilimagga, B. Ajai Kumar. International Journal of Radiation Oncology Biology Physics (IJROBP). Volume 105, Issue 1, Supplement, e259-e260, September 01, 2019.  
 Cyberknife Robotic Radiosurgery for Bilateral Acoustic Schwannomas-HCG experience, S. Papaiah Susheela, M. N R. Krishnappa, A. ghP. Kumar Marimuthu, P. Kumar Karumanchi, A. PM. Gupta, R. Deshpande, S. Gopal, S. Rudrappa, P. GI. Desai, J. AA.K. Bs. Radiotherapy & Oncology, Volume 127, Supplement 1, s682-s683, April 01, 2018.