

## Constantin KAPPAS

### *Short Curriculum Vitae*

Place & Date of Birth: Athens, August 30, 1954

Nationality: Hellenic

#### Present appointment:

1. Professor, Head Medical Physics Dept., Medical School, University of Thessaly, Larissa, Hellas
2. Head, Radiation Physics Department, University Hospital of Larissa, Hellas



#### Degrees:

1. Doctorat d'Etat, Radiation Physics, C.P.A.T., Institut Curie, Paris, France, 1986
  2. Doctorat de Spécialité, Radiation Physics, C.P.A.T., Institut Curie, Paris, France, 1982
  3. D.E.A. Medical Physics, C.P.A.T., Université Paul Sabatier, Toulouse, France, 1980
  4. B.Sc., Physics, 1979, University of Patras, Hellas
  5. Certificat "Informatique Générale",
  6. Certificat "Microinformatique - Microélectronique"  
School of Medicine, Paris, France, 1981-83
- Hospital Physicist License by the Greek Atomic Energy Commission
  - Hospital Physicist License by the French Ministry of Public Health

#### Special Appointments:

- Chairman "Patras 99", 6th International EFOMP Congress 1999
- Scientific Expert Missions sent by the International Atomic Energy Agency - IAEA (Tanzania, Nigeria, Madagascar, Albania, Kazakhstan, Azerbaijan, China)
- Founder "Papanikolaou Institute for Cancer Informing & Research" (site, seminars, publications, Medical School students, researchers and professors, etc)
- Founder "Institute Against Narcotics - 'I.K.A.N.O.'" (site, seminars, publications, Medical School students, researchers and professors, etc)
- Parent's Association of Children with Cancer, Scientific Consultant
- Head, Ethical Committee, Hellenic Association of Medical Physicists (2009 - today)
- Italian Ministry for Education, University and Research (MIUR), Member of the International Advisory Committee and Evaluator (2000 - today)
- Ecole Franco-Chinoise de Radiothérapie (E.F.C.R.), Scientific Advisor (1998 - 2005)
- Trainer Cambridge University Hospitals (subjects: scientific misconduct & medical malpractice)
- TG65, AAPM Committee member, report 85 Guidelines: "Inhomogeneity Corrections"
- European Society for Therapeutic Radiology and Oncology (ESTRO), Physics Committee (1997 - 2003), Board Committee (2000 - 2003)
- European Union, Direction XII, evaluation research proposals
- Evaluator for academic nominations in MSKCC, University of Kentucky, Emory University, USA
- Radiation Physics License Examination Committee Member, Ministry of health
- "Cancer Radiotherapie", SFRO, Editorial Board
- "Balkan Union of Oncology (B.U.O.N.)" Journal, Editorial Board, Scientific Advisor
- Guest Editor in 2 and Referee in 8 International scientific journals
- Hellenic Association of Medical Physics (H.A.M.P.), Councilor (1991,2,5,6)
- Active Member of 9 International and National Scientific Societies (Medical Physics and Radiotherapy)
- Chairman / Co-chairman / Scientific, Liaison, Organizing Committee in ESTRO, ESO, BUON, IOMP, EFOMP and other International or European Congresses, Schools and Workshops on Medical Physics

#### Scholarships, Grants and Distinctions:

- French Government,
- Association pour la Recherche du Cancer (A.R.C.),
- Institut Curie,
- International Union Against Cancer (UICC),
- Fulbright Foundation, Bodosakis Foundation,
- Hellenic Oncology Association 2010 Award
- The Hellenic Association of Medical Physics (HAMP), on February 2013, announced the unanimous decision to choose the Professor of Medical and Radiation Physics, Medical School of Larissa, University of Thessaly, Constantin Kappas and characterized him as "The personage whose, ethics, social action, educational, research and clinical contribution in our country and in the international community, represents, characterizes and expresses our specialty in Greece for the second half of the last century and the dawn the new millennium".
- The International Organization of Medical Physics (IOMP), on September 2013, has selected and honored 50 distinguished experts - personalities from all over the world (among them, Professor Constantin Kappas) who have made an outstanding contribution to the advancement of medical physics over the last 50 years.

#### Publications:

- a) Books: i. "Radiation and Pregnancy" (2 authors, 350 pages, in Greek), ii. "Protection for ionizing and non-ionizing radiation" (2 authors, 4 Volumes, 2600 pages, in Greek),
  - b) Chapters in books 7, in English,
  - c) International Peer Review Journals: 102,
  - d) Proceedings International Congresses: 245,
  - e) Invited Talks to National and International Events: 74.
  - f) Co-author of "3D-ISIS" RTPS and "X-STING" Stereotactic RTPS
- Citations: 1020, h-index 16, i10-index 25.

#### Main Research Areas of Interest:

- Treatment Planning Algorithms, Networks and Integration Procedures in Radiotherapy, Monte Carlo Methods in Radiotherapy, Radioprotection (in Nuclear Medicine, Radiology and Radiation Therapy), High Field MR Imaging, Quantitative MR Imaging, MR Spectroscopy.
- Design, Construction and Development of a New Stereotactic and Radiosurgery Unit and Stereo TPS (Bodosakis Foundation Grant: 350.000 euros, two units in Medical School of Patras Medical School of Larissa and one Patent). First Stereotactic Radiotherapy Treatments in Greece, 1996

#### Research Projects (1990 - ):

- RTPS, Radiosurgery, Radioprotection: Hellas - France, Germany, Sweden, Romania, China, Russia, Georgia, USA, Albania bilateral cooperation (Coordinator)
- Education in Radiophysics, Balkan Countries cooperation (Coordinator)
- "Dynamic Radiotherapy (DYNARAD)" BIOMED I project, 32 Institutions / Hospitals in Europe (Deputy Coordinator)
- Computerised Radioprotection, Hellenic Ministry of Health (Coordinator)
- Stereotactic Radiotherapy and Radiosurgery, Bodosakis Foundation (Coordinator)
- "EC-Network - EQUAL", Europe Against Cancer Program (National Delegate)
- Total Research Funds from European and National programs: 1.7 MEuros

#### Teaching:

- Undergraduate courses in Medical Physics (Medical School, Veterinary School, Univ. of Thessaly, Univ. of Patras)
- European Course on Medical Physics and Biomedical Engineering (ECMPBE), postgraduate courses in Radiotherapy Physics (University of Patras, 1991 -)
- Radiation Physics and Radiation Protection for trainees and specialists in Hospital (University Hospital of Patras 1990-2000 and Larissa, 2001-)
- Supervising of 4 European label PhDs, 14 National PhDs and more than 40 MSc thesis