

CURRICULUM VITAE

PERSONAL DETAILS:

Name: Abbas

Last Name: Shafaei

Date of Birth: 30th, Nov. 1958

Marital Status: Married

Address: Radiology Department Paramedical Faculty, Tabriz University of Medical Science, Tabriz Iran.

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EDUCATION:

1998 - 2002 Ph.D. in Medical Physics Tarbiat Modarres University, Tehran, Iran

1991 - 1994 MSc. in Medical Physics, Mashhad University of Medical Science Mashhad, Iran

1984 - 1988 BSc. in Technology of Radiology, Shahid Beheshti University of Medical Science Tehran, Iran

1981 - 1983 College, in Technology of Radiology, University of Medical Science of Tabriz, Tabriz, Iran

ACADEMIC HONOR:

1992: getting the first ranking among Iranians students.

WORK EXPERIENCE:

1995 - 2002

Lecturer of the following Subjects at Tabriz University of Medical Sciences:

- 1-Physics for Laboratory Science Students
- 2- Applied Physics for Libratory Science Students
- 3- Physics of Laboratory Instrumentation for Laboratory Science & MSc Medical Physics students
- 4- Radiation Physics for Radiology Students
- 5- Biophysics for Laboratory Science Students
- 6- Physics of Medical Imaging for Radiology Students
- 7- General Physics for Medical Science student
- 8- Radiation Dosimetry for Radiology Students & MSc Medical students.
- 9- Radiobiology Radiology Students
- 10- Radiation protection for Radiology Student.
- 11- The physics and principal of computed tomography for Radiology Student.

1996 – 1998: Head of Educational office, Paramedical Faculty of Tabriz University of Medical Science;

f- Evidence Based Medicine

3- University of medical science of Isfahan, Isfahan, Iran.

Dosimeterng of Medical Linear Accelerators

Skills and Work Experiences:

- 1- Familiar with the structures of diagnostic X-ray Units, Cobalt Units, Medical Linear Accelerators and Medical Laboratory Instrumentations.
- 2- A significant experience in megavoltage photon and electron dosimeterng.
- 3- A significant experience on Wellhofer & Sanditronix Dosimeter Systems

PUBLICATIONS:

BOOK:

The Physics of Radiology, Tabriz University of medical Science press, 2002, Tehran, Ira

JOURNAL ARTICLES:

- 1- **A. Shafaei** and M. H. Bahreini. Statistical Analysis of Medical Imaging systems, Journal of Medical Basic Science, 2, 2001.
- 2- **A. Shafaei**. et al. An Improved Monte Carlo method for the simulation of medical linear. Journal of Cellular & molecular, 2004
- 3- **A. Shafaei**. et al. Calculation of Bremsstrahlung spectrum and x-ray efficiency in medical leaner accelerators by Monte Carlo method using MCNP4B code. Journal of Daneshvar, 2004
- 4- N. Jabbari, B. Hashemi, Ali Farajollahi and **A. Shafaei**. Evaluation of 6MeV electron beam of Nepton 10PC Medical leaner accelerator by using Monte Carlo method.
- 5- I. Pesianian, A. Mesbahi and **A. Shafaei**. Iranian Journal Of Radiation Research Volume 6, (4) 2009.

CONFERANCES:

- 1- **A. Shafaei** : Principle of Positron Emission Tomography, 14th Iraanian's Radiologicale annual congress, Tehran, Iran, 1995
- 2- **A. Shafaei**: Application of PET in Mental disease, International conference on role of Radiation in Diagnostic and Treatment, Tehran, Iran, 2000.
- 3- **A. Shafaei**. e tal, : reconstruction of medical leaner accelerators photon sources, Iranian Nuclear Physics conference, Bushehr, Iran, 2003
- 4- **A. Shafaei**. e tal, : Simulation of Philips SL 75 medical leaner accelerator Bremzstrahlung spectrum by using Monte Carlo method. Mashhad, Iran, 2004.
- 5- N. Jabbari, B. Hashemi, Ali Farajollahi and **A. Shafaei**: Evaluation of 6MeV electron beam of Neptune 10PC Medical leaner accelerator by using Monte Carlo method, 7th Iranian congress of medical physics, Ahvas, Iran, 2007.
- 6- **A. Shafaei**. e tal, : Dosimetry of medical leaner accelerators by Monte Carlo method, 7th Iranian congress of medical physics, Ahvas, Iran, 2007.
- 7- **A. Shafaei**. e tal, : Design, manufacture and calibration of manually controlled Czerny turner