# Ali Soleimani-Meigooni


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## EDUCATION:

Ph.D. Ohio Univ., Athens, OH, December 1984. Major: Physics (Experimental Nuclear Physics). Dissertation: The Interaction of Neutrons with C-12 in the Clinically Important Energy Range 20-26 MeV.

M.S. Ohio Univ., Athens, OH, June 1980. Major: Physics. G.P.A.: 3.65

B.S. Tehran Univ., Iran, 1976. Major: Physics. G.P.A.: 3.65

## EMPLOYMENT:

June 2010-Present

**Chief Medical Physicist/RSO**, Comprehensive Cancer Center of Nevada, 3730 S. Eastern Ave., Las Vegas, Nevada, 89169. This practice includes 5 cancer centers, each with one Linear accelerator and a CT Scanner. In additions, there are an HDR system in one of the centers. Two other centers are performing LDR prostate seed implants. There are a total of 7 radiation oncologists, 5 physicists (including myself), and 5 dosimetrists in these centers. A total of approximately 150 patients are being treated on a daily base. In addition, we had approximately 200 Prostate seed implant and 100 HDR treatment in 2011-2012.

December 2010-Present

**Adjunct Professor**, Health Physics, University of Nevada Las Vegas (UNLV), 4505 Maryland Ave., Las Vegas, Nevada, 89154

## CERTIFICATIONS

- Certified by **the Deoartment of Health and Human Services in the State of Nevada** for Authorized Medical Physicists - on July 2010 (License #03-12-0491-01)
- Certified by **The University of the New York State** for Medical Physicist-Therapeutic Radiological physics in the state of New York, on May, 2009 **(License Number 000363)**.
- Certified by the **American Board of Radiology (ABR)** for therapeutic radiological physics, November 7, 1997 **(Certification Number P1199)**.

**PUBLICATIONS:**

**Original Articles:**

1 R.W. Finlay, P. Grabmayr, G. Randers-Pehrson, J. Rapaport, **A.S. Meigooni** and S. Graham, "Recent Measurement of Neutron-Induced Reaction on Carbon and Oxygen in Energy Region from 20-26 MeV." Radiation Protection, Proc. 4th Symposium on Neutron Dosimetry EUR 7448, (1981) 361-372.

2 A. Marcinkowski, R.W. Finlay, G. Randers-Pehrson, C.E. Brient, R. Kurup, S. Mellema, **A.S. Meigooni** and R. Tailor, "Neutron Emission Cross Section at 25.7 MeV: V-51, Fe-56, Cu-65, Nb-93 and Bi-209." *Nucl. Phys. and Eng.* 83, (1983) 13-21.

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5 R.W. Finlay, **A.S. Meigooni**, J.S. Petler and J.P. Delaroche, "Partial Kerma Factors for Neutron Interactions with C-12 at $20 < E_n < 65$ MeV." *Nuclear Inst. and Method* B10/11 (1985) 396-399.

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7 F.M. Khan, F.C. Deibel and **A.S. Meigooni**, "Obliquity correction for electron beams."

*Med. Phys.* 12 (1985), 749-753.

8 **A.S. Meigooni**, R.W. Finlay, J.S. Petler and J.P. Delaroche, "Nucleon-Induced Excitation of Collective Bands in C-12." *Nucl. Phys.* A445 (1985) 304-332.

9 L.F. Hansen and **A.S. Meigooni**, "Coupled Channel Analysis of Neutron Scattering from C-12 Between 9-15 MeV," Proceedings *Int. Conf. on Fast-Neutron Physics,* Dubrovnik, Yugoslavia, May 26-31, (1986), 75-81.

10 B. Gerbi, **A.S. Meigooni** and F. Khan, "Dose Buildup for Obliquely Incident Photon Beams." *Med. Phys.* 14(3) (1987), 393-399.

11 Barry L. Werner, I.J. Das, Faiz M. Khan and **A.S. Meigooni**, "Dose Perturbations at Interface in Photon Beams." *Med. Phys.* 14(4) (1987), 585-595.

12 **A.S. Meigooni** and I.J. Das, "Parameterization of Depth Dose for Electron Beams." *Phys. Med. Biol.* 32 (1987), 761-768.

13 J.A. Meli, **A.S. Meigooni** and R. Nath, "On the Choice of Phantom Material for the Dosimetry of $^{192}$Ir Sources." *Int. J. Radiat. Oncol*. 14 (1988), 587-594.

14 **A.S. Meigooni**, J.A. Meli and R. Nath, "A Comparison of Solid Phantoms with Water for Dosimetry of I-125 Brachytherapy Sources." *Med. Phys.* 15(5) (1988), 695-701.

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17 **A.S. Meigooni**, Sushil Sabnis and Ravinder Nath, "Dosimetry of Palladium-103 Brachytherapy Sources for Permanent Implants." *Endocurietherapy /Hyperthermia Oncology* 6(2) (1990) 107-117.

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