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Present Title & Affiliation

Appointment

Senior Medical Physicist, Department of Radiation Oncology, Faculty of Medicine, American University of Beirut Medical Center, Beirut, Lebanon

Education

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| 2002 | Stanford University School of Medicine, Stanford, CA, Residency, Radiation Oncology Physics |
| 2000 | University of British Columbia, Vancouver, Canada, Ph.D., Radiotherapy Physics |
| 1995 | Carleton University, Ottawa, Canada, M.Sc., Medical Biophysics |
| 1993 | American University of Beirut, B.S., Physics |

Academic Experience & Service

- Senior Medical Physicist, BC Cancer Agency, Abbotsford, BC, Canada, 2007-2012
- Medical Physicist, Al Amal Oncology Hospital, Doha, Qatar, 2004-2007
- Clinical Scientist, King Faisal Specialist Hospital and Research Centre, Saudi Arabia, 2002-2004
- Fellow, Stanford University School of Medicine, Stanford, CA, 2000-2002
- Research Assistant, Vancouver Cancer Centre, Vancouver, BC, Canada, 1996-2000
- Research Assistant, Ottawa Regional Cancer Centre, Ottawa, Canada, 1993-1996

Board Certifications

Areas of Interest

Monte Carlo simulations of radiation transport, Quality assurance procedures for intensity modulated techniques.

Peer-Reviewed Publications

1. [SKA Nguyen, F Cao, R Ramaseshan, S Kristensen, K Kuncewicz, V Huang, C Elith, P Steiner, J Hayes, B Lester, C McGregor, B Shahine, W Kwan](#). Template-based breast IMRT planning for increased workload efficiency, Radiation Oncology 8:67 (2013)
2. [JS Li, B Shahine, E Fourkal, CM Ma](#). A particle track-repeating algorithm for proton beam dose calculation, Phys. Med. Biol. 50, 1001-1010 (2005)
3. [E. Fourkal, B. Shahine, M. Ding, J. Li, T. Tajima, C-M Ma](#). Particle in cell simulation of laser accelerated proton beams for radiation therapy, Med. Phys. 29, 2788-2798 (2002)
4. [B. H. Shahine, M. S. A. L. Al-Ghazi, E. El-Khatib](#). Experimental evaluations of interface doses in the presence of air cavities compared with treatment planning algorithms, Med. Phys. 26, 350-355 (1999)
5. [G. P. Raaphorst, C. E. Ng, B. Shahine](#). Comparison of radiosensitization by 41 degrees C hyperthermia during low dose rate irradiation and during pulsed simulated low dose rate irradiation in human glioma cells, Int. J. Radiat. Oncol. Biol. Phys. 44: 185-188 (1999)
6. [B. H. Shahine, C. E. Ng, G. P. Raaphorst](#). Modeling of continuous LDR and accelerated fractionated HDR irradiation treatments in a human glioma cell line, Int. J. Radiat. Biol. 70: 555-561 (1996)