



JOSE EDUARDO VAZ NASCIMENTO: Brazil

New technologies and special procedures in radiotherapy.



Mr. Jose Eduardo Vaz Nascimento of Brazil is employed as a medical physicist in Radiotherapy at Sirio Libanes Hospital in Sao Paulo, Brazil. His employment activities consist of commissioning a linear accelerator for clinical use, quality assurance of the techniques and procedures performed, patient treatment planning, and the implementation of new technologies and special procedures.

To improve his knowledge and experience on such topics, Mr. Vaz Nascimento underwent a one month Fellowship at the Medical College of Wisconsin in Milwaukee through the U.S. IAEA Fellowship Program. He received training and supervision from Dr. X. Allen Li throughout his time there. Mr. Vaz Nascimento's training included modern image-guided radiation therapy (IGRT) techniques, static-gantry and rotational IMRT with flattening filter free beams on the Prowess treatment planning system and its respective implementation

and quality control, a quality assurance program that modern techniques require, respiratory motion management including image acquisition and planning using 4DCT, gated delivery; and SBRT treatments. The IAEA Fellowship opportunity provided Mr. Vaz Nascimento new skills, knowledge and experience for him to bring back to his home country. He plans to share his experience with Brazil for future use, thereby allowing patients to benefit from the increase of radiotherapy services.

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