

## Master of Advanced Studies in Medical Physics

1<sup>st</sup> cycle 2014-15



Name	Country	Thesis title	Supervisor
Al-Manea Samya	Qatar	Effective of CT Hounsfield units (HU) on dose calculation for radiotherapy treatment planning	Timor Grego University Hospital Centre Zagreb, Zagreb, Croatia
Al-Mohannadi Salha	Qatar	Quality Controls in Digital Mammography. Comparison of different protocols	Annalisa Trianni University Hospital S. Maria della Misericordia, Udine, Italy
Aslan Hossein	Iran	Evaluation of MONACO treatment planning system for VMAT plans and plan verification using Octavius 4D system: from simple to more complex cases	Mara Severgnini, Fabrizio Cupardo, Rossella Vidimari University Hospital, Trieste, Italy
Bougtib Mohammed	Morocco	Comparison of Volumetric Modulated Arc Therapy (VMAT) and fixed-field Intensity Modulated Radiation Therapy (IMRT) for three dose level irradiation of head and neck cancer	Maria Rosa Malisan University Hospital S. Maria della Misericordia, Udine, Italy
Dang Quoc Soai	Vietnam	Commissioning of the Analytical Anisotropic Algorithm (AAA) calculation algorithm for 2100CD linac 18MV photon energy beam	Paola Chiovati, Giovanna Sartor Centro di Riferimento Oncologico (CRO), Aviano, Italy
Erraoudi Morad	Могоссо	Patient specific QA for Head and Neck ConPas technique	Juraj Bibić University Hospital Centre Zagreb, Zagreb, Croatia
Fiagan Yawo Atsu Constantino	Тодо	Pretreatment evaluation: from the 2 D metrics to 3D patient- specific metrics	Franca Simonato Istituto Oncologico Veneto, Padova, Italy
Fiagbedzi Emmanuel Worlau	Ghana	Commissioning of the Analytical Anisotropic Algorithm (AAA) calculation algorithm for 2100CD linac 6MV photon energy beam	Paola Chiovati, Giovanna Sartor Centro di Riferimento Oncologico (CRO), Aviano, Italy
Isiaka Babatunde	Nigeria	Previsional dosimetric study of patients undergoing radiometabolic treatment with iodine I-131 for hyperthyroidism	Roberta Matheoud University Hospital "Maggiore della Carità", Novara, Italy
Najera Kirk Douglas	Guatemala	Influence of ct acquisition parameters on treatment planning in external beam radiation therapy	Stefania Cora, Paolo Francescon S. Bortolo Hospital, ULSS 6, Vicenza, Italy
Nurkovic Melisa	Montenegro	Commissioning of a photon dose calculation algorithm by comparison with experimental measurements	Carlo Cavedon University Hospital, Verona, Italy
Ona Rodriguez William Vladimir	Ecuador	Comparison between 3D-CRT, IMRT and VMAT techniques for cancer radiation treatment	Angelo Monti Hospital Niguarda Ca' Granda, Milano, Italy
Rasoarimalala Tinanirina	Madagascar	Implementation of machine data on TPS Pinnacle and comparison of treatment planning between clinical planning and Auto-Planning Pinnacle	Francesca Romana Giglioli AOU Cittá della Salute e della Scienza, Torino, Italy

Thesis (in pdf format) can be requested to the Secretary of the Master (<u>mmp@ictp.it</u>)