

ATHULIYA K

OBJECTIVE

To enrich my knowledge and practice with sophisticated tools used in radiotherapy to provide the utmost support to the challenging career I choose.

CONTACT



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PERSONAL INFORMATION

Nationality :Indian
Date of birth :07/02/1996
Age :23
Gender :Female
Religion :Hindu
Marital status :Single

WORK EXPERIENCE

Medical physicist Intern –Malabar Cancer Center –Kannur, Kerala
5 OCT 2018 – 5 OCT 2019

EDUCATION

MSc Radiation physics –University of Calicut –kerala -2016-2019 -
73% mark

BSc Physics –University of Calicut – kerala -2013-2016 -85%mark

HAND ON EXPERIENCE

LINAC : Elekta Versa HD, Varian Clinac Ix

Brachytherapy : Nucletron microselectron HDR

Treatment planning system : Eclipse 13.7, Monaco 5.1

Dosimetry and QA tools :

PTW Radiation field analyzer, Ionization chambers (0.6cc farmer chamber, Markus chamber , Diamond detector, Diode detector, Semiflex detectors, Well type ionization chamber) ,TLD 100 and Rexion TLD reader, Rando phantom, PTW quick check,PTW octavious phantom ,2D array, PTW 4D rotational phantom ,collimator test tool and focal spot test tool for diagnostic radiology, Small water phantom, Polystyrene phantom

PROGRAMS ATTENDED

- AMPICON Kerala chapter 2017- Ernakulam
- AOCMP-AMPICON 2017 – JAIPUR
- Next step to radiation treatment 2019 at university of calicut
- CMPI Refresher course on medical physics & radiation safety 2019

Assisted in the commissioning of CT Simulator (Imagin PANACEA)

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PROJECT

- Determination of effective point of measurement in the dosimetry of high energy photon and electron beams
- Measurement of peak correction factor for farmer type chamber for calibration of flattening filter free (fff) photon beams.
- Analytical study of flatness and symmetry of electron beam with 2D array detector

REFERENCE

- DR. MM MUSTAFA
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