



Habiba SALLEM

Medical Physicist, MSc

Academic career

2022-202-

PhD at HIT - Heidelberg



2017-2019

Master of Medical
Physics,
University of Lille



2019-2022

Medical Physics
Residency, University
of Paris Saclay - CEA



2015-2017

Bachelors in
Physics and
Chemistry,
University of Lille



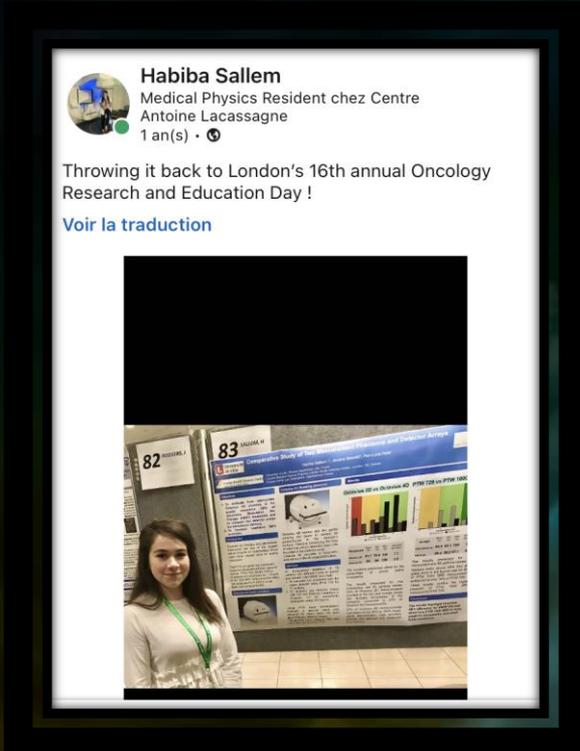
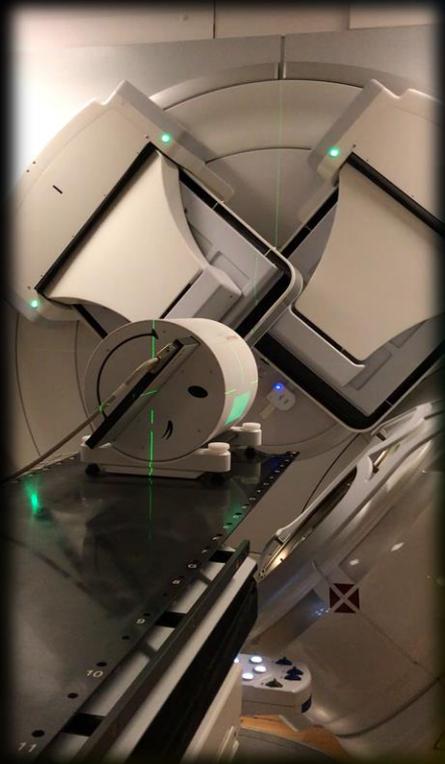
2018



Master's internship

Implementation of a 3D quality assurance phantom for VMAT treatments and stereotactic applications of a high resolution detector array

– Cancer center Les Dentellières –
France



Poster presentation at the
London annual Oncology
Research and Education Day
Canada

2019



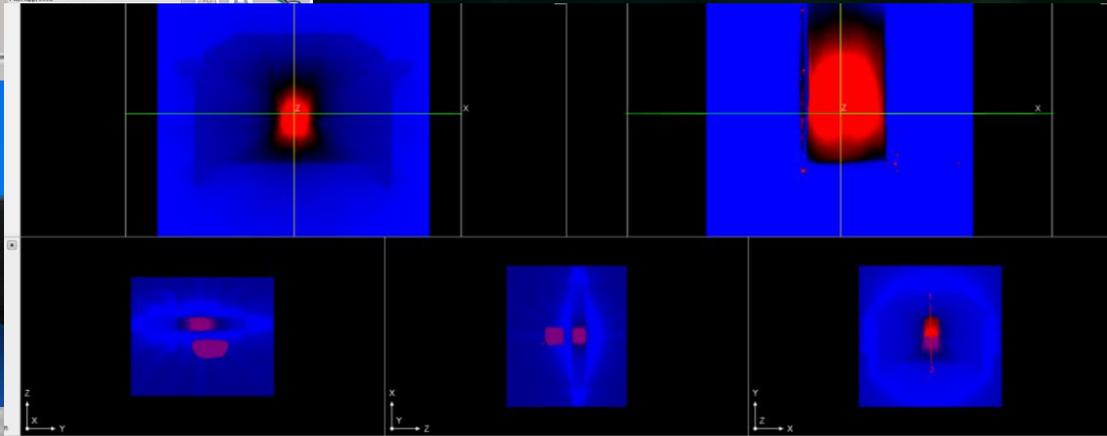
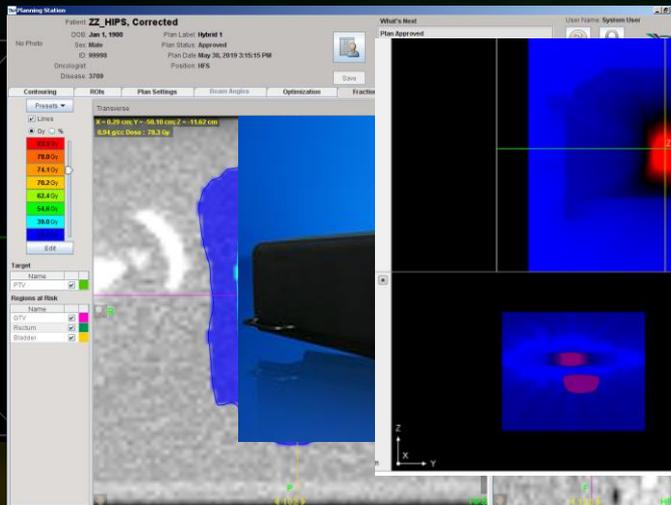
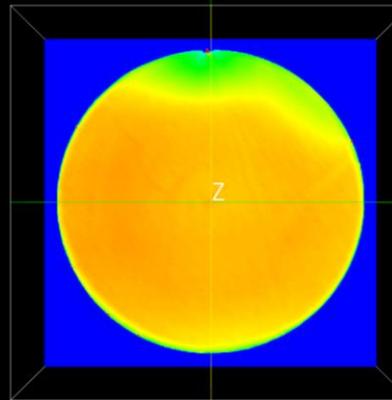
Master's Thesis

Optimization of radiation response by gel dosimeters and application to hip prosthesis heterogeneity, delivered by Tomotherapy

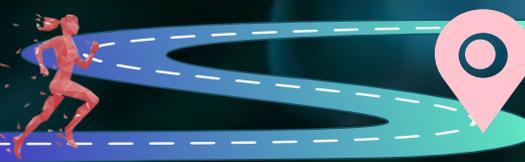
– London Regional Cancer Program –
Canada

Project guidelines

- Characterization of the gels
- Behavioral study
- Measurements on simple geometry plan with hip implants
- Comparative study with ion chamber measurements



2019



Medical Physics Residency, 1st Year

Imaging 1st Rotation



Orléans Regional Hospital, Orléans

- ➔ Conventional radiology and CT-Scan
- ➔ Interventional radiology
- ➔ SPECT-CT / PET-CT
- ➔ Coding for SPECT quality assurance automatization

2020



Medical Physics Residency, 1st Year

IBA Dosimetry
5 956 abonnés
1 an(s) •

#IBAdosimetry water phantom in action. Thanks Habiba Sallem for sharing, all the best for your patient treatments.
<https://lnkd.in/dg-4jma>

Voir la traduction

Habiba Sallem
Medical Physics Resident chez Centre Antoine Lacassagne
1 an(s) •

Late Saturday beam QA on our #versahd #elekta clinac using the #IBA BluePhantom
#iba

Voir la traduction

A photograph showing a person in a white lab coat and a face mask standing next to a large, white Elekta linac machine in a clinical setting. The machine has the Elekta logo on it.

Radiotherapy 1st Rotation

Cancer Center Leon Bérard, Lyon

- ➔ Linac physics : photon and electron beam
- ➔ Machine QA
- ➔ Patient delivery QA
- ➔ 3D CRT treatment planning

2021



Medical Physics Residency, 2nd Year

Radiotherapy 2nd Rotation



CERTIFICAT OF TRAINING

This document certifies that

Habiba Sallem

Nice, Centre Antoine Lacassagne site EST, France

participated, from 24/02/2021 to 25/02/2021, at RayPhysics – photons training

25/02/2021, Antoine Dorenlot, Europe Physic Support

RaySearch Laboratories regularly organizes basic and advanced RayTraining events. The basic level RayTraining includes two courses, RayStation Physics and RayStation Application (basic). The RayStation Physics course teaches physics, models and algorithms used in RayStation for beam modeling, dose computation and quality assurance in RayStation. The RayStation Application (basic) course includes tools for patient data management, contouring and conformal radiation therapy. The RayStation Application (advanced) course can include deformable registrations, dose tracking, adaptive planning, fallback planning, automatic planning and multi-criteria optimization. The content of the advanced course is designed according to the attendees' requests and needs. Training consists of lecture presentations, demonstrations and hands-on sessions.

www.raysearchlabs.com
RSL-S-00-20 Certificate of attendance

Cancer Center Antoine Lacassagne, Nice

- IMRT treatment planning (*Linac, Cyberknife, Tomotherapy*)
- RayPhysics training for Linac & Tomotherapy
- Brachytherapy treatment planning
- Small field and Cyberknife physics
- Protontherapy basics : basic treatment planning and QA

Project : Determination of optimal MLC configuration parameters for RayStation TPS commissioning for Varian Clinac



2021



Medical Physics Residency, 2nd Year

Imaging 2nd Rotation



Orléans Regional Hospital, Orléans

→ Quantification, StarGuide GE Prototype

Radiology Project :

→ Dual-Energy CT implementation

AP-HP (Parisian Hospitals) Journal Club presentation

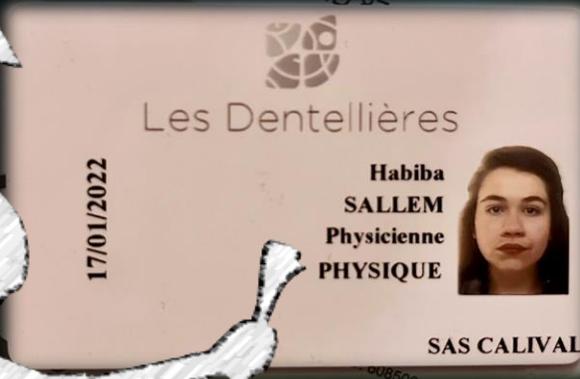
November 24th 😊

2021



Medical Physicist

Cancer Center Les Dentellieres



Clinical routine

- ➔ Treatment planning (VMAT, Stereotactic)
- ➔ Patient QA
- ➔ Machine maintenance
- ➔ Implementation of new techniques & protocols

Teaching & training radiotherapy therapists



Why a PhD ?

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✓ Discovery of a true passion for research

CON

YOU CAN WORK WHENEVER YOU WANT! EVERY DAY IS A SATURDAY!



me

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YOU WORK ON SATURDAYS.



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Protontherapy

+

MRI

