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Radiotherapy Specialist (CNEN RA 0600)

CONTACT

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🌐 jvmf.github.io

📍 Bela Vista, São Paulo - SP

EDUCATION

Radiation Therapy Medical Physics Residency
Hospital Sírio-Libanês
Mar/22 – Mar/24

AI Applied to Heathcare
Data Science Academy
Mar/21 – Dec/22

BS Medical Physics
Universidade Estadual de Campinas
Mar/13 – Dec/19

ADDITIONAL EXPERIENCE

2024 – SBRT y SRS – Rayos Contra el Cancer - RCC
2024 – II Central Nervous System Radiosurgery Course – Real Hospital Português
2023 – Speaker at LDR Prostate Brachytherapy Mini-Course – HSL
2022 – Electrons in Radiotherapy – INCA
2021 – XXth Course on State-of-the-Art Radiotherapy and Quality Control – HSL
2021 – E-Learning: Safety and Quality in Radiotherapy – IAEA
2020 – 2nd Internacional Radiobiology Course – HA Barretos
2019 – Basic Radiotherapy Course – HSL

LANGUAGES

Brazilian Portuguese
English
Spanish

SKILLS

Teleterapy Planning

- Conventional treatments with 3D conformal techniques, IMRT and VMAT;
- Ablative treatments: single brain lesion treatments with dynamic arc and Radiosurgery cones; Monoisocentric treatment of multiple brain lesions with VMAT technique; SBRT at sites such as lung, liver, pancreas, ischium, sacrum and iliac.
- Intrafraction and interfraction monitoring techniques: IGRT with kV and MV 2D imaging, Cone Beam CT; Respiratory motion management: 4D CT, gating; Intrafraction monitoring Technologies: Exactrac, OSMS, Calypso.
- Special techniques: Whole brain with hippocampal sparing; Neuroaxis (Meduloblastoma) and Mantle (Non-Hodgkin's Lymphoma) with Intensity Modulation; Total Body Irradiation (TBI); Intraoperative electron radiotherapy.

Braquitherapy

- LDR Prostate with I-125;
- Gynecological, intersticial and intraoperatory HDR.

Quality Control

- QA for specific patients using ionization chambers, portal dosimetry, MatriXX Evolution and radiochromic films;
- QC of linear accelerators, including mechanical and dosimetric tests
- Experience with the MyQA Platform - IBA Dosimetry.

Others

- Programming in Python, R and C# (Eclipse Scripting API);
- Experience with Varian (ARIA) and Elekta (Mosaiq) Management Systems;
- Experience with Varian (Novalis and TrueBeam) and Elekta (Synergy) Linear Accelerators;
- Experience with Varian TPS (Eclipse) and Elekta TPS (XiO / Monaco);
- Experience with direct 3D printing bólus for radiotherapy.

CONGRESSES

2024 – Simpósio de Radioterapia Aplicada em Pediatria – InRad
2023 – XXV Congresso da Sociedade Brasileira de Radioterapia
2021 – XXV CBFM – Congresso Brasileiro de Física Médica – ABFM
2021 – 3º Encontro Brasileiro de Dosimetristas - ABD
2020 – XXII Congresso da Sociedade Brasileira de Radioterapia – SBRT
2020 - XIX IMAGINE - Módulo Radioterapia - HCFMUSP
2019 – XXIV CBFM – Congresso Brasileiro de Física Médica – ABFM
2019 – 1º Simpósio Brasileiro de Metástase Cerebrais – SBRT