

EMMA JOHNSON

Dosimetrist

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PROFESSIONAL SUMMARY

Compassionate and detail-oriented Certified Medical Dosimetrist with 2 years of experience in radiation therapy. Skilled in developing tailored treatment plans for oncology patients, utilizing advanced dosimetry techniques and software. Committed to enhancing patient care through meticulous planning, collaboration with healthcare teams, and adherence to safety protocols in radiation delivery.

WORK EXPERIENCE

Dosimetrist

Quantum Solutions LLC

Apr / 2024-Ongoing

Phoenix, AZ

- Executed precise treatment planning for Tomo and Varian iX systems, ensuring optimal radiation delivery.
- Supported complex simulation setups tailored to individual patient needs, enhancing treatment accuracy.
- Assisted physicians during implantation procedures, ensuring patient safety and proper equipment use.
- Utilized advanced software for 3D, IMRT, and electron therapy planning to optimize treatment effectiveness.
- Maintained thorough documentation of patient treatment progress in compliance with regulatory standards.
- Conducted quality assurance checks on treatment plans and equipment to ensure adherence to safety protocols.
- Engaged with patients to provide education and support throughout the treatment process.

Dosimetrist

Silver Lake Enterprises

Apr / 2023-Apr / 2024

Seattle, WA

- Utilized Pinnacle v for creating plans including traditional fields, 3D conformal, and IMRT techniques.
- Operated in a high-volume facility with multiple linear accelerators and diverse oncology cases.
- Managed patient information using Mosaic, ensuring accurate documentation and history tracking.
- Served as the sole dosimetrist, developing plans for Elekta Synergy Linac with 5 and 10 MV.
- Created and verified treatment plans in collaboration with Radiation Oncologists for external beam therapy.
- Designed and implemented electron therapy plans and clinical setup templates for enhanced treatment delivery.

EDUCATION

Bachelor of Science in Radiation Therapy

University of Maryland

Apr / 2022-Apr / 2023

Phoenix, AZ

Completed coursework in radiation physics, treatment planning, and patient care.

SKILLS

Radiation Treatment
Planning Software



Radiation Therapy Planning



Treatment Planning
Systems



Patient Dosimetry



ACHIEVEMENTS

- Developed over 50 customized radiation treatment plans, improving patient outcomes and satisfaction.
- Achieved a 95% accuracy rate in radiation dose calculations through meticulous planning and verification.
- Collaborated with a multidisciplinary team to enhance procedural protocols, reducing treatment setup time by 20%.