

CURRICULUM VITAE

Sharon M. Thompson
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August 2011 – present: Medical Physicist Contractor for Varian Medical Systems

- **Provide part-time physics helpdesk support for Varian Brachytherapy**
- **Conduct on site physics training for Varisource IX, Gamma Med and Brachyvision equipment worldwide**

March 2004 – 9 August 2013: Medical Physicist Cancer Treatment Institute in El Paso (two sites), Texas.

- **Provide clinical physics support for a modern radiation oncology department equipped with newly installed Varian Truebeam, Varian 21EX and Varian 6EX linear accelerators, 2 GE CT scanner, Eclipse Treatment Planning, and Varisource High Dose Rate Afterloader.**
- **Experience included facility design and commissioning of Varian Truebeam, 6EX and Varisource afterloader. State licensed for Medical Physics including HDR.**
- **Routine service includes machine calibrations and all regular ongoing physics support including IMRT dosimetry and quality assurance, chart checks, HDR dosimetry and physics, and all required machine checks. Developed and manage Quality Management Program and Radioactive Materials Program. Maintain ACR accreditation. Conduct Radiation Safety meetings.**
- **Developed IMRT Program including Rapid Arc and the Portal Dosimetry Program with all three accelerators.**
- **Provide annual HDR emergency training for staff.**

June 2001 to 31 July 2013: Medical Physics consultant at Eastern New Mexico Medical Center, Radiation Oncology, Roswell, New Mexico.

- **Provide clinical physics support for a modern radiation oncology department equipped with Varian 21ix including cone beam and OBI. Use Eclipse Treatment Planning (replaced CMS system November 2007) and Varian Ximatron accelerator.**
- **Routine service includes machine calibrations and all regular ongoing physics support including IMRT dosimetry and quality assurance, chart checks, and all required machine checks.**

May 2001 to March 2003: Medical Physicist for Memorial Ikard Cancer Treatment Center in Las Cruces, New Mexico.

- **Provide clinical physics support for a modern radiation oncology department equipped with Varian 21EX and Varian 6/100 linear accelerators, GE CT scanner, Eclipse Treatment Planning, and Varisource High Dose Rate Afterloader.**
- **Experience included facility design and commissioning of Varian 21EX, Eclipse treatment Planning System, and Varisource afterloader.**
- **Routine service included machine calibrations and all regular ongoing physics support including IMRT dosimetry and quality assurance, chart checks, HDR dosimetry and physics, and all required machine checks. Developed and managed Quality Management Program and Radioactive Materials Program. Service also included Guidant Intravascular Radiation Physics as well as Prostate Seed Implants.**

October 1992 to May 2002: Medical Physicist for Dr. Ronald Scott at both South Coast Tumor Institute in San Diego, CA and Imperial Valley Cancer Centers in El Centro, CA.

- **South Coast Tumor Institute was equipped with a Varian 6/100 linear accelerator, Picker Simulator, and Prowess Treatment Planning System. Experience at this facility included machine calibrations, routine quality assurance, and treatment planning, and weekly chart checks.**
- **Imperial Valley Cancer Center was equipped with Elekta SL-18 linear accelerator, Oldelft simulator, and Theratronics 3D treatment planning system with CT dicom interface. Center opened 1998.**
- **Experience included facility shielding design and all commissioning as well as protection surveys, machine calibrations, routine quality assurance, and dosimetry.**

November 1994 to May 1997: Medical Physicist for Desert Hospital Comprehensive Cancer Center in Palm Springs, CA.

- **Provided clinical physics support for a modern radiation oncology department equipped with Varian 1800 linear accelerator and Siemens Mevatron linear accelerator, ROC 3D treatment Planning, superficial unit, and Ximatron simulator.**
- **Experience included facility shielding design, machine calibrations, routine quality assurance, and dosimetry. Brachytherapy was also performed. Emergency Training conducted to staff and all RSO duties done.**

August 1992 – present: Consultant in Diagnostic Medical Physics.

- **Perform diagnostic medical physics evaluations for all types diagnostic radiology equipment. Not currently performing any diagnostic but still qualified. ABR Certified in both Diagnostic and Radiation Oncology Physics.**
- **Developed and implemented a review course for ABR physics portion of exam for diagnostic radiology residents at Naval Hospital San Diego. Also developed written review for junior medical physicists in Navy.**

October 1992 to January 2005: Medical Physicist in United States Naval Reserves.

- **As reservist tours included job as medical physicist at Naval Hospital San Diego, CA where duties included clinical physics support for a modern radiation oncology department and radiology department which participated in many national treatment protocols. It was equipped with one Varian 2100C and two Varian 6/100 linear accelerators, one Oldelft superficial x-ray unit, one Varian Ximatron C-series simulator, and an active implant program using Cs-137 and Ir-192 manual implants. Performed 3D treatment planning using Render Plan 3D treatment planning system. Performed annual and weekly calibrations/spot checks, dosimetry assistance, and any other physics services needed including diagnostic machine testing in a large radiology center and teaching duties for Radiology residents and board review preparation for residents as well. Provided training of junior medical physicists. This assignment was from October 1992 to December 1997.**
- **4th Medical Battalion Administrative Officer, Environmental Health Officer, and expert in Chemical, Biological, and Radiological Training. from December 1997 to September 1999.**
- **Administrative Officer Fleet Hospital Albuquerque, NM from September 1999 to September 2001.**
- **Commanding Officer Naval Fleet Hospital Albuquerque Detachment from October 2001 to October 2003.**
- **Protocol Officer for Fleet Hospital Dallas in Fort Worth Texas from October 2003 to January 2005.**
- **Commanding Officer for Humanitarian Mission to El Salvador where 8000 patients were treated over 10 days in February 2004.**
- **Officially retired with 21 years service January 2005.**

May 1990 to August 1992: Active Duty Medical Physicist for United States Navy at Naval Hospital San Diego, California.

- **Duties included clinical physics support for a modern radiation oncology department and radiology department which participated in many national treatment protocols. It was equipped with one Varian 2100C and two Varian 6/100 linear accelerators, one Oldelft superficial x-ray unit, one Varian Ximatron C-series simulator, and an active implant program using Cs-137 and Ir-192 manual implants. Performed 3D treatment planning using Render Plan 3D treatment planning system. Performed annual and weekly calibrations/spot checks, dosimetry assistance, and any other physics services needed including diagnostic machine testing in a large radiology center and was course director and instructor for radiological physics as well as radiology resident physics teaching program**
- **Supervised one junior physicist and one quality control technician.**
- **Taught classes for Navy X-ray Technician program.**
- **Responsible for equipment budget planning and purchasing.**

September 1991 to May 1997: Instructor for Graduate Medical Physics Courses in Therapeutic and Diagnostic Radiological Physics at San Diego State University. San Diego, CA.

July 1988 to May 1990: Active Duty Radiation Health Officer for USS MCKEE (AS-41), a submarine tender stationed in San Diego, California.

- **Medical department Division Officer and Radiation Health Officer for a crew of 1500 people.**
- **Supervised 21 medical department personnel.**

May 1986 to July 1988: Medical Physicist, Radiology Department Naval Medical Center, Bethesda, Maryland.

- **While under the supervision of a board certified medical physicist provided clinical physics support to Radiology, Radiation Oncology, and Nuclear Medicine Divisions of Radiology department. Experience included radiation therapy treatment planning for both external and implant therapy, routine quality assurance, annual and weekly machine calibrations/spot checks for a Varian Clinac linear accelerator, AECL Theratron Cobalt 60 unit, Siemens orthovoltage unit, and an Oldelft simulator.**
- **Performed quality control and performance testing of diagnostic radiology equipment and conducted patient and fetal dose estimates.**
- **Course administrator and Instructor for United States Navy's semi-annual Medical Officers Course in Nuclear Medicine and Radioisotope Techniques. Instructor for**

radiological instrumentation, radiation biology, and statistics portion of course.

EDUCATION

Master of Science in Radiological (Medical) Physics [REDACTED] fro San Diego State University, San Diego, California.

Bachelor of Science in Biochemistry [REDACTED] fro Virginia Polytechnic Institute and State University, Blacksburg, Virginia.

CERTIFICATIONS

Board Certified Therapeutic and Diagnostic Radiological Physics by American Board of Radiology (1994).

Approved by Virginia as inspector in Diagnostic, Therapeutic and Shielding Design Physics July 2013.

Approved by New Mexico State Environment Department as Qualified Expert in Medical Physics.

Texas Licensed Medical Physicist (MP 0565).

SOCIETIES

American Association of Physicists in Medicine

OTHER

A list of courses taken and workshops attended as well as references will be furnished upon request.