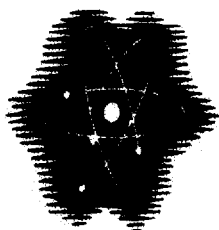


**Department
of
Medical
Physics -
Radiation
Safety**



**MONMOUTH
MEDICAL
CENTER**



*an affiliate of the
St. Barnabas
Health Care
System*

*300 Second Avenue
Long Branch
New Jersey 07740*

**Thomas Piccoli,
DABR
Medical Physicist
Radiation Safety Officer**

**(732) 923-6811
FAX: (732) 923-6802**

FAX

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To: SANDRA GABRIEL

FAX# 610-337-5182

From: THOMAS PICCOLI

FAX# (732) 923-6802

Date: July 20, 2005

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RONALD J. DEL MAURO
President and Chief Executive Officer
Saint Barnabas Health Care System

FRANK J. VOZOS, MD, FACS
Executive Director
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(732) 923-7504
Fax: (732) 923-7511

July 20, 2005

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***Training and Experience for Proposed
Authorized Medical Physicist (HDR Brachytherapy)***

This document is to **attest** that Dr. Gin-Weigh Wu, Ph.D., has been employed as a full-time Medical Physicist within the Radiation Oncology Department of Monmouth Medical Center (Long Branch, NJ) since June 2003 to the present (i.e., July 2005). During this time period he has participated in all aspects of clinical Radiation Oncology Physics including External Beam Radiotherapy and Brachytherapy (LDR and HDR). He has participated in all aspects of dose treatment planning on our various RTP computers including 3D conformal plans (External Beam) and dose calculations, IMRT (External Beam) plans, Stereotactic Radiosurgery plans, Brachytherapy plans and related dose calculations, dose calibrations of the two linear accelerators (including spot checks and full calibrations), calibration of the HDR source, spot checks, and all required HDR Brachytherapy quality control and radiation surveys, etc. Further, Dr. Wu has been involved with our high precision Stereotactic Radiosurgery program (LINAC-based). He also has been trained thoroughly and has participated in the routine quality controls for the department's CT simulator.

Dr. Wu's full time work experience (40 hours per week spent exclusively within our Radiation Oncology Department) began in June 2003 to the present (July 2005 as of the date of this document). His training included all of the areas stipulated in Part 35.51 for the training of an Authorized Medical Physicist as follows:

(b)(1) Holds a master's or doctor's degree in physics, medical physics, other physical science, engineering, or applied mathematics from an accredited college or university; and has completed 1 year of full-time training in medical physics and an additional year of full-time work experience under the supervision of an individual who meets the requirements for an authorized medical physicist for the type(s) of use for which the individual is seeking authorization. This training and work experience must be conducted in clinical radiation facilities that provide high-energy, external beam therapy (photons and electrons with energies greater than or equal to 1 million electron volts) and brachytherapy services and must include:



(Dr. Wu has met or surpassed these requirements for graduate education, as well as, the 2 years full-time training in Medical Physics in a clinical Radiation Oncology Department. He has also surpassed the full-time work experience of an additional year of full-time work experience under the supervision of Jack Yang, Ph.D., DABR, and the Radiation Safety Officer, Thomas Piccoli, M.Sc, DABR both listed on license number 29-08113-03 as Authorized Medical Physicists.):

(i) Performing sealed source leak tests and inventories (He has performed under the direction of Thomas Piccoli, RSO, leak testing of the various sealed sources within the oncology and nuclear medicine departments.

(ii) Performing decay corrections (He has performed radioactive decay corrections for the HDR Ir-192 source under direct supervision of Jack Yang, Ph.D.);

(iii) Performing full calibration and periodic spot checks of external beam treatment units, stereotactic radiosurgery units, and remote afterloading units as applicable (He has performed full calibrations and periodic spot checks of the various linear accelerators, as well as, the HDR remote afterloading device all under direct supervision of Jack Yang, Ph.D. (within my physical presence).) ; and

(iv) Conducting radiation surveys around external beam treatment units, stereotactic radiosurgery units, and remote afterloading units as applicable (He has performed various mandated radiation surveys of the HDR remote afterloading device and the regions adjacent to the HDR treatment room after various HDR source exchange(s).); and

(2) Has obtained written attestation that the individual has satisfactorily completed the requirements in paragraphs (c) and (a)(1) and (2), or (b)(1) and (c) of this section, and has achieved a level of competency sufficient to function independently as an authorized medical physicist for each type of therapeutic medical unit for which the individual is requesting authorized medical physicist status. The written attestation must be signed by a preceptor authorized medical physicist who meets the requirements in § 35.51, or, before October 24, 2005, § 35.961, or equivalent Agreement State requirements for an authorized medical physicist for each type of therapeutic medical unit for which the individual is requesting authorized medical physicist status (This document is intended to serve as a written attestation by Jack Yang, Ph.D., and Thomas Piccoli, DABR, that Dr. Wu has achieved a level of competency sufficient for him to function independently as an Authorized Medical Physicist for HDR Brachytherapy.); and

(c) Has training for the type(s) of use for which authorization is sought that includes hands-on device operation, safety procedures, clinical use, and the operation of a treatment planning system. This training requirement may be satisfied by satisfactorily completing either a training program provided by the vendor or by training supervised by an authorized medical physicist authorized for the type(s) of use for which the individual is seeking authorization:

(This training requirement includes hands-on device operation, safety procedures, clinical use, and the operation of a treatment planning system and has been met by detailed installation/upgrade training by vendor (Nucletron) course and was supplemented by additional training delivered to Dr. Wu by Jack Yang, Ph.D., on every clinical case.)

Dr. Wu has also received training on and performed (under direct and immediate supervision by Jack Yang, Ph.D.) the various tasks that make up the daily, monthly, and quarterly quality control measures (as described in the hospital's license application) including the actual calibration of the HDR Ir-192 source (in my physical and immediate presence).

Dr. Wu's working experience in our Radiation Oncology Department not only includes the previously submitted HDR Brachytherapy involvement, but included all aspects of modern clinical Radiation Oncology Physics (both External Beam Radiotherapy and Brachytherapy). Dr. Wu has a strong radiation background since he graduated from the Nuclear Engineering program of University of Missouri with an advanced degree. Further, Dr. Wu's work in our Radiation Oncology Department was performed under my direct supervision with all the clinical procedures.

Additionally, Dr. Wu will be attending advanced vendor courses on HDR Brachytherapy offered by Nucletron Corporation at Maryland headquarter (August 1). Further, He has received two annual Emergency Procedures and Operational trainings (HDR remote afterloading device) from the vendor, and will continue reviewing on a regular basis.

The following is a summary of the various areas and subject matter that Thomas Piccoli, DABR and myself covered with Dr. Wu during his training period in Radiation Oncology:

NRC License and 10 CFR Part 35 Requirements for HDR Brachytherapy (including the section of hospital's NRC Quality Management Program with special attention to the various HDR Brachytherapy requirements) – He is preparing for his American Board of Radiology therapy certification and these are the essential materials that he has paid attention under my direct supervision:

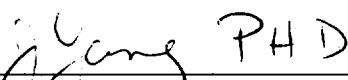
1. F.H. Khan, ***Treatment Planning in Radiation Oncology*** (the entire book was covered with special emphasis on Chapter 11, Isodose Planning – Brachytherapy, Chapter 12 Treatment Planning Evaluation, and Chapter 13 Fractionation: Radiobiological Principles and Clinical Practice)
2. G.C. Bentel, ***Treatment Planning & Dose Calculation in Radiation Oncology*** (the entire book was covered with special emphasis on Chapter 5, Brachytherapy, Chapter 7, Practical Treatment Planning, and Chapter 8, Normal Tissue Consequences)

3. **AAPM Monograph No. 26, General Practice of Radiation Oncology Physics in the 21st Century** (Chapters 7, Dose Prescriptions TG-43 Dosimetry Protocol, and Chapter 9, HDR Techniques)
4. H.E. Johns & J.R. Cunningham, **The Physics of Radiology** (the entire book was covered with special emphasis on Chapter 13, Brachytherapy, and Chapter 17, Radiobiology)
5. F.H. Khan, **The Physics of Radiation Therapy** (the entire book was covered with special emphasis on the chapters concerning both LDR and HDR Brachytherapy)
6. E.J. Hall, **Radiobiology for the Radiologist** (Chapter 14, Time, Dose, & Fractionation in Radiotherapy)
7. J.F. Williamson et al, **AAPM Brachytherapy Physics, AAPM Summer School Proceedings 1994** (Chapter 1, History of Brachytherapy, Chapter 2, Physical Properties and Clinical Uses of Brachytherapy Radionuclides, Chapter 4, Brachytherapy Source Strength: Quantities, Units, and Standards, Chapter 7, Principles of Brachytherapy Quality Assurance, Chapter 8, Brachytherapy Regulatory Environment, Chapter 24, Principles of Remote Afterloading Devices, Chapter 27, Source Strength Standards and Calibration of HDR/PDR Sources, and Chapter 31, Clinical Implementation of HDR Intracavitary and Transluminal Brachytherapy)

If you need additional information please do not hesitate to contact Thomas Piccoli, at 732-923-6811 or Jack Yang, Ph.D., at 732-923-6894.

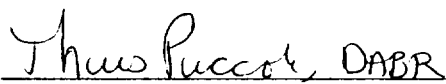
Sincerely yours,

Sincerely yours,


 Ching Chong Yang, Ph.D., DABR
 Chief Physicist, Radiation Oncology Department
 Monmouth Medical Center
 300 Second Avenue
 Radiation Oncology Department
 Long Branch, NJ 07740

Board Certification:
 ABR (Therapeutic Radiological Physics)

 NRC Authorized Medical Physicist
 29-08113-03


 Thomas Piccoli, DABR
 Radiation Safety Officer
 Monmouth Medical Center
 300 Second Avenue
 Long Branch, New Jersey 07740

Board Certification:
 ABR (Diagnostic Radiologic Physics)
 ABMP (Diagnostic Imaging Physics)
 NRC Authorized Medical Physicist
 29-08113-03