

# The Reading Hospital and Medical Center



RECEIVED  
REGION I

\*05 APR 18 12:35

Licensing Branch  
Nuclear Materials Safety Section  
Division of Safety & Safeguards  
U.S. N.R.C. - Region I  
475 Allendale Rd.  
King of Prussia, PA 19406

4-11-05

Dear Sir or Madame,

03002960

*off memo*  
Please amend our NRC license, 37-00485-~~04~~, to add Rebecca C. Middleton, Ph.D. and Brent Z. Wang, Ph.D. as authorized medical physicists for 10 CFR 35.400, 600, and 1000 procedures. Their training was within the last 7 yrs. is substantiated by the following enclosed credentials:

Rebecca C. Middleton, Ph.D. was licensed, most recently, as an authorized medical physicist at Robert Packer Hospital, Sayre, PA (37-01893-01) from September, 2003 to October, 2003. Dr. Middleton has had manufacturer-specific Varian training on the safe operation of our H.D.R. source, and received a certificate (dated 7-21-25-03), which is enclosed. She will have a radiation safety refresher provided by Rene Smith, Ph.D. prior to independent supervision of H.D.R. procedures.

Brent Z. Wang, Ph.D. has just completed his one year of training under Andrew Wu, Ph.D., at the University of Pittsburgh Medical Center. Dr. Wu is a Board Certified physicist and authorized medical physicist. A copy of Dr. Wang's C.V. is attached. Dr Wang will not independently supervise the H.D.R. treatments until he has had manufacturer-specific training, and radiation safety training on our (Varian) specific unit.

Sincerely,

Carl Seidel  
Vice President

136890

NMSS/RGNI MATERIALS-002

## **BRENT ZHONGMIN WANG, PH.D.**

Department of Radiation Oncology, University of Pittsburgh Medical Center, Pittsburgh, PA 15232

Pager: [REDACTED] Email: wangz2@upmc.edu

**OBJECTIVE:** Pursuing a clinical medical physicist position to contribute to the quality of radiation treatment

### **EDUCATION AND TRAINING**

- 3/2004–present Clinical physics postdoctoral fellow, Department of Radiation Oncology, University of Pittsburgh Medical Center
- 5/2004 Ph.D. in experimental particle physics, State University of New York at Stony Brook/Fermi National Accelerator Laboratory
- 12/1999 M.S. in physics, State University of New York at Stony Brook
- 6/1994 B.S. in applied physics, Shanghai Jiao Tong University, China

### **EXPERIENCE AND SKILLS**

- **External Beam Treatment Planning**
  - Varian's Eclipse treatment planning system
  - 3D CRT treatment plan
  - D3's IMRT treatment planning training
  - Electron beam dosimetry
  - Varis Record/Verification software and treatment delivery software
  - IMRT QA (over 200 cases)
- **Operation/QA of Varian Linac and GE CT Simulator**
  - Supervise daily Linac QA
  - Execute monthly Linac QA
  - Annual Linac QA with Wellhofer blue phantom and TG51
  - GE lightspeed CT simulator and AdvantageSim software
- **Dose Measurement**
  - Chamber and electrometer
  - TLD and Harshaw reader
  - Film and Vidar/RIT scanner/software
  - SunNuclear Diode
- **Chart Check**
  - Hand calculation and daily pre-treatment chart check
  - Weekly chart check
- **HDR Brachytherapy**
  - Nucletron Microselectron HDR unit
  - Nucletron HDR treatment planning system Plato
  - Mammosite® and GYN cases
- **LDR Brachytherapy**
  - Radioactive seeds ordering and receiving
  - Prostate Seed Implant (PSI) with Variseed software
  - Vicryl mesh implant

### **SUMMARY OF QUALIFICATION**

- Familiar with the daily operation of a radiation oncology department and the responsibility of clinical medical physicists
- Strong clinical physics and instrumentation knowledge
- Excellent communication skills

PERSONAL INFORMATION WAS REMOVED  
BY NRC. NO COPY OF THIS INFORMATION  
WAS RETAINED BY THE NRC.



## ***Certificate of Participation***

This is to certify that

Rebecca C. Middleton

has participated in sections of the course

VariSource 200 On-Site Operations

offered

July 21-25, 2003

A handwritten signature in black ink, appearing to read "Stavros D. Prionas", written over a horizontal line.

Stavros D. Prionas, Ph.D.  
Varian Medical Systems

This is to acknowledge the receipt of your letter/application dated

4/11/2005 & 4/19/2005, and to inform you that the initial processing which includes an administrative review has been performed.

☒ AMEND. 37-00485-04  
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned Mail Control Number 136290.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.

BETWEEN:

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

(FOR LFMS USE)  
INFORMATION FROM LTS  
-----  
Program Code: 02230  
Status Code: 0  
Fee Category: 7C 2B  
Exp. Date: 20050930  
Fee Comments: \_\_\_\_\_  
Decom Fin Assur Reqd: N  
.....

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: READING HOSPITAL & MEDICAL CENTER  
Received Date: 20050418  
Docket No: 3002960  
Control No.: 136890  
License No.: 37-00485-04  
Action Type: Amendment

2. FEE ATTACHED

Amount: \_\_\_\_\_  
Check No.: \_\_\_\_\_

3. COMMENTS

Signed M. A. Perkins  
Date 4/24/2005

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /\_\_/)

1. Fee Category and Amount: \_\_\_\_\_

2. Correct Fee Paid. Application may be processed for:

Amendment \_\_\_\_\_  
Renewal \_\_\_\_\_  
License \_\_\_\_\_

3. OTHER \_\_\_\_\_  
\_\_\_\_\_

Signed \_\_\_\_\_  
Date \_\_\_\_\_