

Radiation Oncology Center

FAX TRANSMISSION

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DATE: 1/24/06

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TO: Sandra Gabriel

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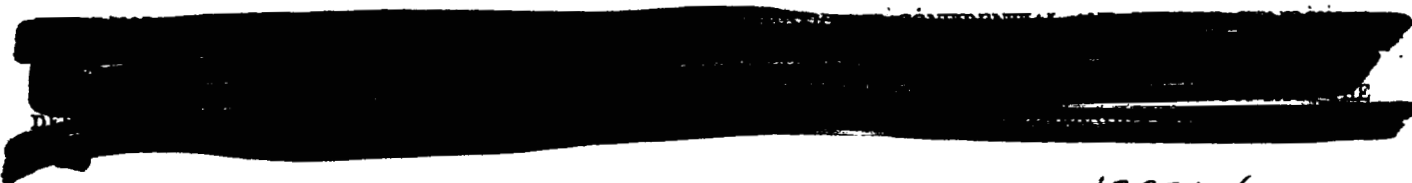
FAX: 610-337-5269 PHONE: _____

FROM: INDRA DAS FOR CRAIG GOLDBERG (Bryn Mawr Hosp. tel)

Total number of pages (including this one): 5

MESSAGE OR COMMENT:

Ms. GABRIEL - THIS IS THE 313A Form ~~FILE~~
Completed: Signed by INDRA DAS FOR
CRAIG GOLDBERG



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NUMERICAL MATERIALS-002

NRC FORM 313A (10-2005)	U.S. NUCLEAR REGULATORY COMMISSION MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION	APPROVED BY OMB: NO. 3150-0120 EXPIRES: 10/31/2008
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PART I -- TRAINING AND EXPERIENCE

Note: Descriptions of training and experience must contain sufficient detail to match the training and experience criteria in the applicable regulation (10 CFR Part 35)

1. Name of Individual, Proposed Authorization (e.g., Radiation Safety Officer), and Applicable Training Requirements (e.g., 10 CFR 35.50)

Craig Goldberg, Authorized Medical Physicist 10 CFR 35.51(b) for 10 CFR 35.400 Prostate Seed, 600 Remote Afterloader

2. For Physicians, Podiatrists, Dentists, Pharmacists -- State or Territory Where Licensed

3. CERTIFICATION

a. Provide a copy of the board certification. (Stop here if applying under 10 CFR Part 35, Subpart J or 35.590(a); continue if applying under other subparts.)

b. Provide documentation in appropriate items 4 through 10 of training or clinical case work required by 35.50(e); 35.51(c); 35.290(c)(1)(ii)(G) for AU seeking 35.200 authorization; 35.390(b)(1)(ii)(G); 35.396(d)(1) and 35.396(d)(2); 35.590(c); or 35.690(c).

c. Provide completed Part II Preceptor Attestation, Items 11a through 11d.

Stop here after completing items 3a, 3b, and 3c when using board certification to meet 10 CFR Part 35 training and experience requirements.

4. INDIVIDUALS IDENTIFIED ON A LICENSE OR PERMIT AS RADIATION SAFETY OFFICERS (RSO), AUTHORIZED USERS (AU), AUTHORIZED MEDICAL PHYSICISTS (AMP), OR AUTHORIZED NUCLEAR PHARMACISTS (ANP) SEEKING ADDITIONAL AUTHORIZATIONS

a. Provide a copy of the license or broadscope permit listing the current authorization **and** (b) or (c)

b. Complete items 6c (and 10 when training is provided by an RSO, AMP, ANP, or AU) and preceptor items 11b through 11d to meet requirements for: RSO in 35.50(c)(2) or 35.50(e); or AU in 35.290(c)(1)(ii)(G) or 35.390(b)(1)(ii)(G) or 35.590(c) or 35.690(c); or AMP under 35.51(c).

c. Complete items 5, 6a, 6b, 10, and Preceptor items 11a through 11d to meet AU requirements in 35.396(a).

5. DIDACTIC OR CLASSROOM AND LABORATORY TRAINING (optional for Medical Physicists)

Description of Training	Location	Clock Hours	Dates of Training
Radiation Physics and Instrumentation			
Radiation Protection			
Mathematics Pertaining to the Use and Measurement of Radioactivity			
Radiation Biology			
Chemistry of Byproduct Material for Medical Use			
OTHER			

NRC FORM 313A **U.S. NUCLEAR REGULATORY COMMISSION**
 (10-2005) **MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

6a. WORK OR PRACTICAL EXPERIENCE WITH RADIATION

Description of Experience	Name of Supervising Individual(s)	Location and Corresponding Materials License Number	Dates and/or Clock Hours of Experience
Clinical Medical Physicist- The Hospital of the University of Pennsylvania- High Dose Rate; Manual Brachytherapy	Indra Das	Hospital of the University of Penna - 37-00118-07	6/2003 - 1/2006

6b. SUPERVISED CLINICAL CASE EXPERIENCE (describe experience elements in 6a)

Radionuclide	Type of Use	No. of Cases Involving Personal Participation	Name of Supervising Individual	Location and Corresponding Materials License Number	Dates and/or Clock Hours of Experience

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MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

6c. TRAINING FOR SECTIONS 35.50(e), 35.51(c), 35.590(c), or 35.690(c)

Training Element	Type of Training *	Location and Dates
Training in medical physics conducted in a clinical radiation facility that provided high energy, external beam therapy and brachytherapy services	Supervised	Hospital of the University of Pennsylvania- 6/2003 - 1/2006
High Dose Rate - Full Calibration; Periodic spot checks; Decay calculations; Radiation surveys in adjacent areas	Supervised	Hospital of the University of Pennsylvania- 8/2004 - 1/2006
Manual Brachytherapy - Handling of Sealed Sources; Leak testing; inventories	Supervised	Hospital of the University of Pennsylvania- 1/2004 - 1/2006

* Types of training may include supervised (complete item 10 for 35.50(e), 35.51(c), and 35.690(c)), didactic, or vendor training.

7. FORMAL TRAINING Physicians (for uses under 35.400 and 35.600) and Medical Physicists

Degree, Area of Study or Residency Program	Name of Program and Location with Corresponding Materials License Number	Dates	Name of Organization that Approved the Program (e.g., Accreditation Council for Graduate Medical Education) and the Applicable Regulation (e.g., 10 CFR 35.490)

8. RADIATION SAFETY OFFICER (RSO) -- ONE-YEAR FULL-TIME EXPERIENCE

YES Completed 1 year of full-time radiation safety experience (in areas identified in item 6a) under supervision.
 N/A of _____ the RSO for License No. _____

9. MEDICAL PHYSICIST -- ONE-YEAR FULL-TIME TRAINING/WORK EXPERIENCE

YES Completed 1 year of full-time training (for areas identified in item 6a) in therapeutic radiological physics (35.961) or medical physics (35.51) under the supervision of Indra Das
 N/A who is a medical physicist (35.961) or meets requirements for Authorized Medical Physicists (35.51);

and

YES Completed 1 year of full-time work experience (at location providing radiation therapy services described and for topics identified in item 6a) for (specify use or device) HDR; Prostate Seeds
 N/A under the supervision of Indra Das who is a medical physicist (35.961) or meets requirements for Authorized Medical Physicists (35.51) (specify use or device) 10CFR35.400, 600HDR

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U.S. NUCLEAR REGULATORY COMMISSION

MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

10. SUPERVISING INDIVIDUAL -- IDENTIFICATION AND QUALIFICATIONS

The training and experience indicated above was obtained under the supervision of (if more than one supervising individual is needed to meet requirements in 10 CFR Part 35, provide the following information for each) :

A. Name of Supervisor

Indra Das

B. Supervisor is:

Authorized User

Authorized Medical Physicist

Radiation Safety Officer

Authorized Nuclear Pharmacist

C. Supervisor meets requirements of Part 35, Section(s) 51

for medical uses in Part 35, Section(s) 400 Prostate Seeds; 600 HDR

D. Address

Hospital of the University of Penna; Dept of Rad Onc
3400 Spruce Street
2 Donner
Philadelphia PA, 19104

E. Materials License Number

37-00118-07

PART II -- PRECEPTOR ATTESTATION

Note: This part must be completed by the individual's preceptor. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each. This part is not required to meet training requirements in 35.590 or Part 35, Subpart J (except 35.980).

I attest the individual named in Item 1:

11a.

has satisfactorily completed the requirements in Part 35, Section(s) and Paragraph(s) 51(b), 35.400,633,643, as documented in section(s) 6a;6c of this form.

11b. Select one

meets the requirements in 35.50(e) 35.51(c) 35.390(b)(1)(ii)(G) 35.690(c) for 2 types of use, as documented in section(s) 6c of this form.

11c.

has achieved a level of competency sufficient to independently operate a nuclear pharmacy (for 35.980); **OR**

has achieved a level of competency sufficient to function independently as an authorized Medical Physicist for 35.400, 600 uses (or units); **OR**

has achieved a level of radiation safety knowledge sufficient to function independently as a Radiation Safety Officer for a medical use licensee ; **OR**

N/A

11d.

I am an Authorized Nuclear Pharmacist; **OR** I am a Radiation Safety Officer; **OR**

I meet the requirements of 35.51 section(s) of 10 CFR Part 35

or equivalent Agreement State requirements to be a preceptor AU or AMP

for the following byproduct material uses (or units): Remote Afterloaders; Manual Brachytherapy

A. Address

Hospital of the University of Penna; Dept of Rad Onc
3400 Spruce Street
2 Donner
Philadelphia PA, 19104

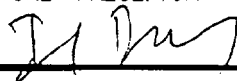
B. Materials License Number

37-00118-07

C. NAME OF PRECEPTOR (print clearly)

Indra Das

D. SIGNATURE -- PRECEPTOR



E. DATE

1/23/06