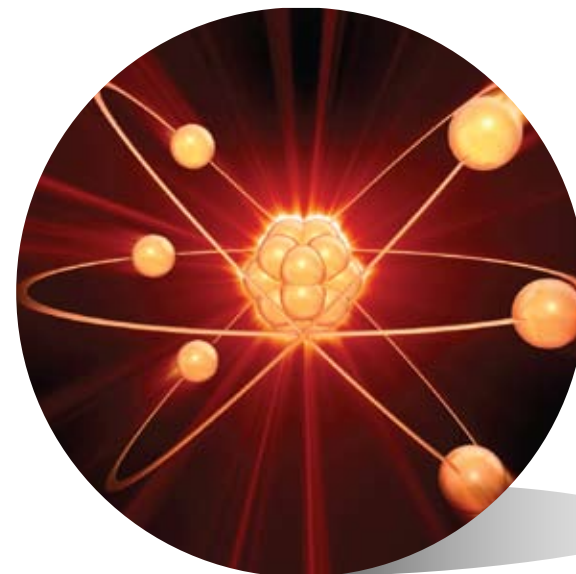


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# ADVANCED HEALTH EDUCATION CENTER

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<input type="checkbox"/> Brachytherapy, Gamma Knife, and Emerging Technologies	payment rec'd 14 days prior to course	\$1,965	payment rec'd less than 14 days prior to course	\$1,990
<input type="checkbox"/> Payment is enclosed payable to: Advanced Health Education Center.	Chk # _____			
<input type="checkbox"/> Please charge the total registration fee to:	<input type="checkbox"/> Visa <input type="checkbox"/> MC <input type="checkbox"/> AMEX <input type="checkbox"/> Discover			
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**Mail To:** Advanced Health Education Center • 8502 Tybor Drive • Houston, Texas 77074

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Employer \_\_\_\_\_

Attached Total \_\_\_\_\_

IF REGISTERING BY MAIL, PLEASE MAKE A COPY FOR YOUR RECORDS.

**Class Location**  
Advanced Health Education Center  
8502 Tybor Dr.  
Houston, TX 77074

**Hotels Nearby**  
**Crowne Plaza**  
9090 Southwest Freeway  
Houston, Texas 77074  
(800) 227-6963 or (713) 995-0123  
Room Rate: \$99\*  
Hotel Shuttle to AHEC

**Hilton Houston Southwest**  
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Houston, TX 77074  
713-977-7911  
Room Rate: \$99\*  
Hotel Shuttle to AHEC

\*Must mention corporate negotiated rate

## Brachytherapy, Gamma Knife, and Emerging Technologies

January 11-15, 2010

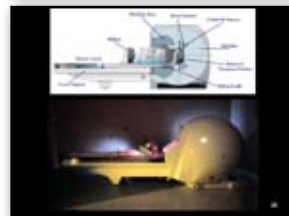
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# Brachytherapy, Gamma Knife, and Emerging Technologies

**A**n intensive one week course that provides a basic, practical understanding of the medical topics required for those involved with the licensing and regulation of health care facilities performing these procedures for patient care. The program is the same program AHEC presents under contract to the Nuclear Regulatory Commission (US NRC). Several state regulatory programs have indicated that there are more people to train than training spots in the NRC program. This is an opportunity for state radiation regulatory agencies to access the training for their personnel. Seats in the program will be extremely limited due to the hospital tours and demonstrations required. Registration includes the three manuals for the course. Special hotel rates and van service to the center is available through AHEC's hotel partners.



## Faculty

**Ann Lawyer, MS**

Section Chief Brachytherapy Services Group, and Medical Physicist, Department of Radiation Physics, MD Anderson Cancer Center - Houston TX

**Magda Martir, PhD, DABR**

Senior Medical Physicist and Chief of Gamma Knife Memorial Hermann Healthcare System - Houston, TX

**Warren H Moore, MD**

Chief Nuclear Medicine Department St Luke's Episcopal Hospital - Houston, TX

**Hubert Callahan, MS, RT(T)**

Director Radiation Therapy Program Galveston College - Galveston, Texas

**Edgar D Bailey, P.E., CHP**

Certified Health Physicist  
Previous Bureau Chief, Bureau of Radiation Control, Texas Department of Health and Previous Chief, Radiologic Health Branch, California Department of Health Services

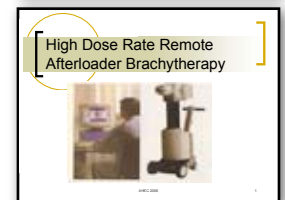
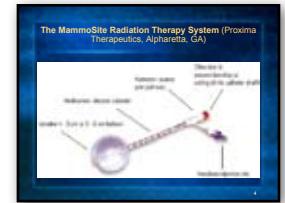
**Rebecca Adams, AAS, RT (R)(CV)(BD)**

Program Manager, Special Programs  
Advanced Health Education Center, LTD - Houston, TX

**Course Date:** January 11-15, 2010

**Fees:** \$1,965

**Location:** Advanced Health Education Center  
8502 Tybor Drive  
Houston, TX 77074



## Course Topics

### Monday, January 11

- Introduction of course
- Principles of radiobiology
- Overview of radiation therapy
- Principles of brachytherapy
- Radiation safety concerns
- Overview of QC concepts
- Written Directives
- Treatment Deviation, Regulations
- Clinical radiation safety, ALARA

### Tuesday, January 12

- Mammosite procedures
- Basic dosimetry calculations
- HDR remote afterloader brachytherapy
- Workshop: case and medical events

### Wednesday, January 13

- Selective internal radiation therapy
- Emerging technologies
- Stereotactic radiosurgery
- Gamma Knife calculations
- Room design
- Ophthalmic applicator
- Gamma Knife installation

### Thursday, January 14

- Regulatory concerns with the gamma knife, brachytherapy and Emerging technologies
- Gamma knife tour and demonstrations
- HDR tour and demonstration

### Friday, January 15

- Lab and demonstration
- Review
- Exit examination\*

\* A certificate of acceptable completion will be granted by AHEC upon a score of 70% on the exit examination. Any attendee who requires CE or CME credit should advise AHEC upon registration. Credit from approval agencies for CE require a 30 day application period.