

RADIATION AND CANCER BIOLOGY PRACTICE EXAMINATION

2005

RABEX

Advanced Medical Publishing

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This is to announce that the 2005 version of the **Radiation and Cancer Biology Practice Examination** will be available in May 2005 through Advanced Medical Publishing:

<http://www.advmedpub.com/scripts/index.asp?id=150&cat=Radiobiology>

The purpose of the **Radiation and Cancer Biology Practice Examination** is to supplement the training of radiation oncology residents by providing an educational resource to help guide residents in the study of cancer and radiation biology. It is anticipated that the Radiation and Cancer Biology Practice Examination will also assist residents and board eligible radiation oncologists in preparation for the cancer and radiation biology section of the cognitive exam administered by the American Board of Radiology for certification in radiation oncology.

Program directors should note that RABEX also serves an annual assessment method for medical knowledge that can be included as part a general competency assessment plan recommended by the ACGME.

The exam consists of approximately 200 multiple choice questions in molecular mechanisms of DNA damage and repair; chromosome and chromatid damage; mechanisms of cell death; cell survival models; LET and RBE; oxygen effect; repair at the cellular level; tumor microenvironment; cell and tissue kinetics; molecular signaling; cancer biology; total body irradiation; clinical and mechanistic responses to radiation of normal tissues; therapeutic ratio; time, dose and fractionation; brachytherapy; alternative radiation modalities; chemotherapeutic agents; radiosensitizers, bioreductive drugs and radioprotectors; hyperthermia; radiation carcinogenesis; heritable effects of radiation; radiation effects in the developing embryo; radiation protection.

The exam will be offered on-line with a specific screen name and password assigned for log in purposes. A print version of the exam along with answers, explanations and appropriate references will be provided for all residents who take the exam on-line. Please e-mail us with any questions you may have in regard to RABEX 2005.

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