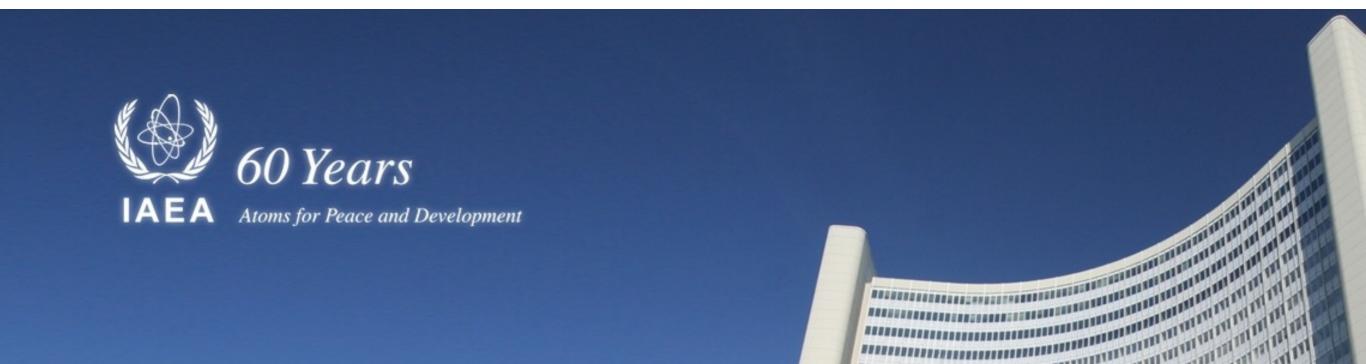
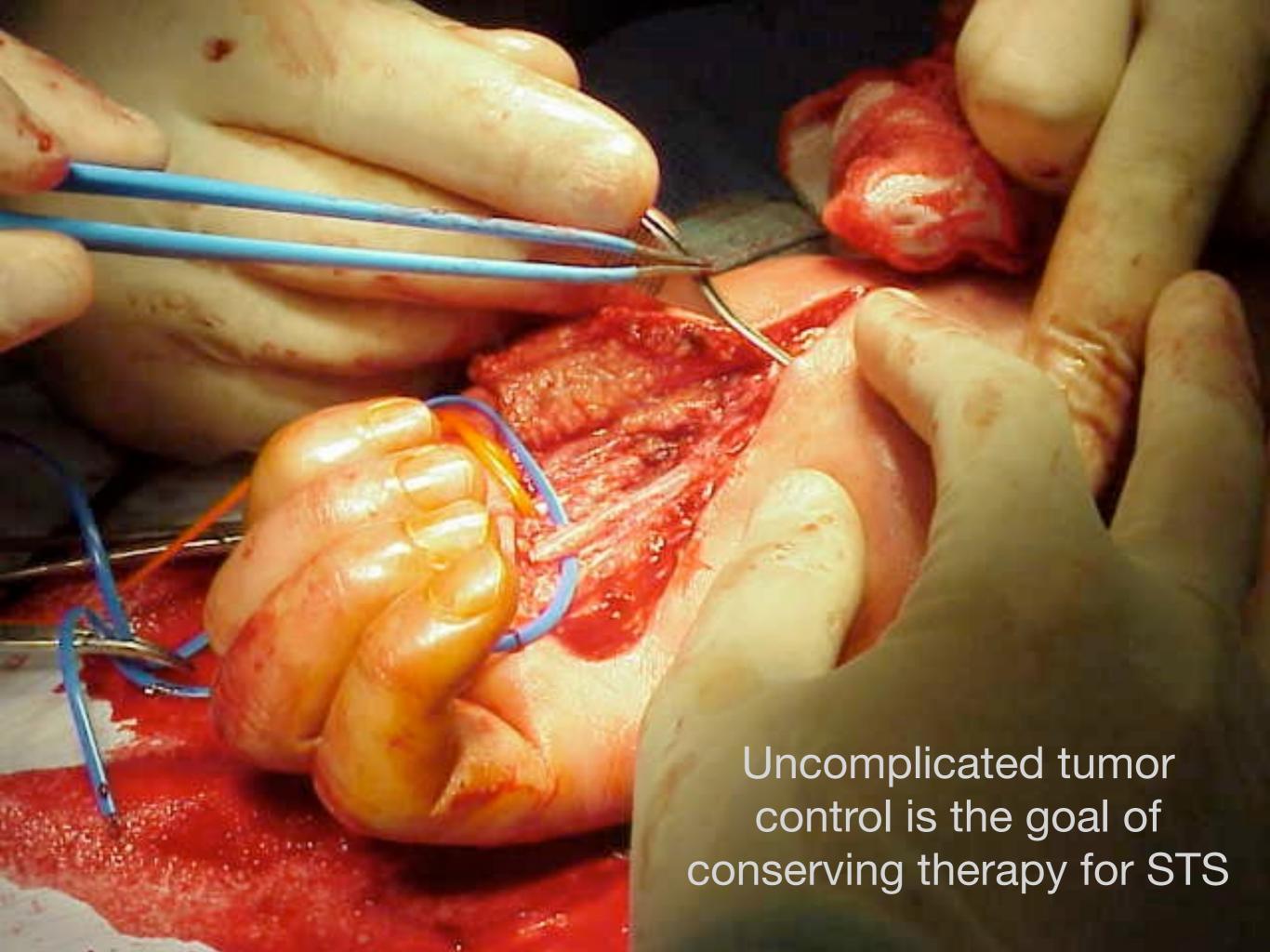
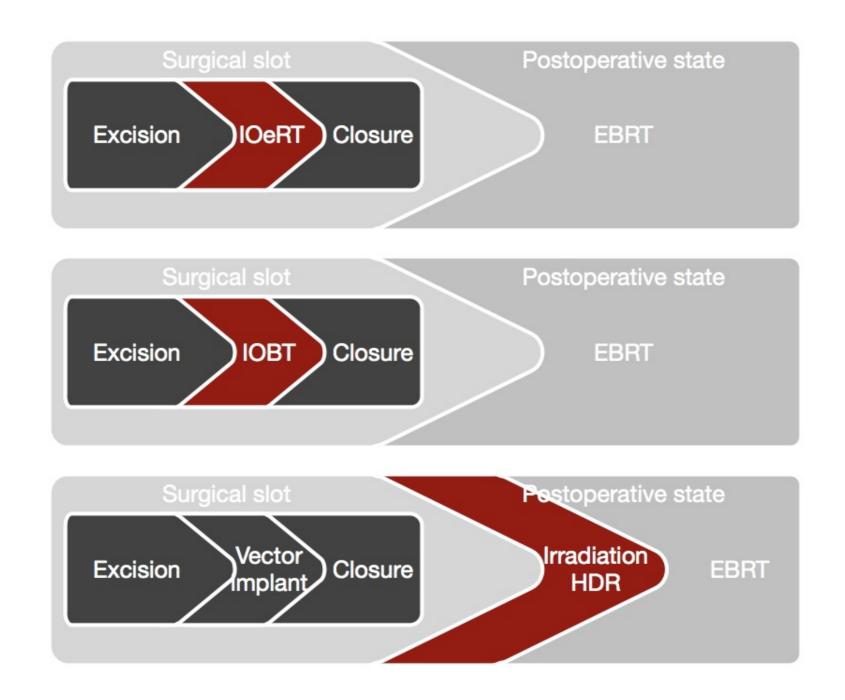
MISCELLANEOUS BRACHYTHERAPY

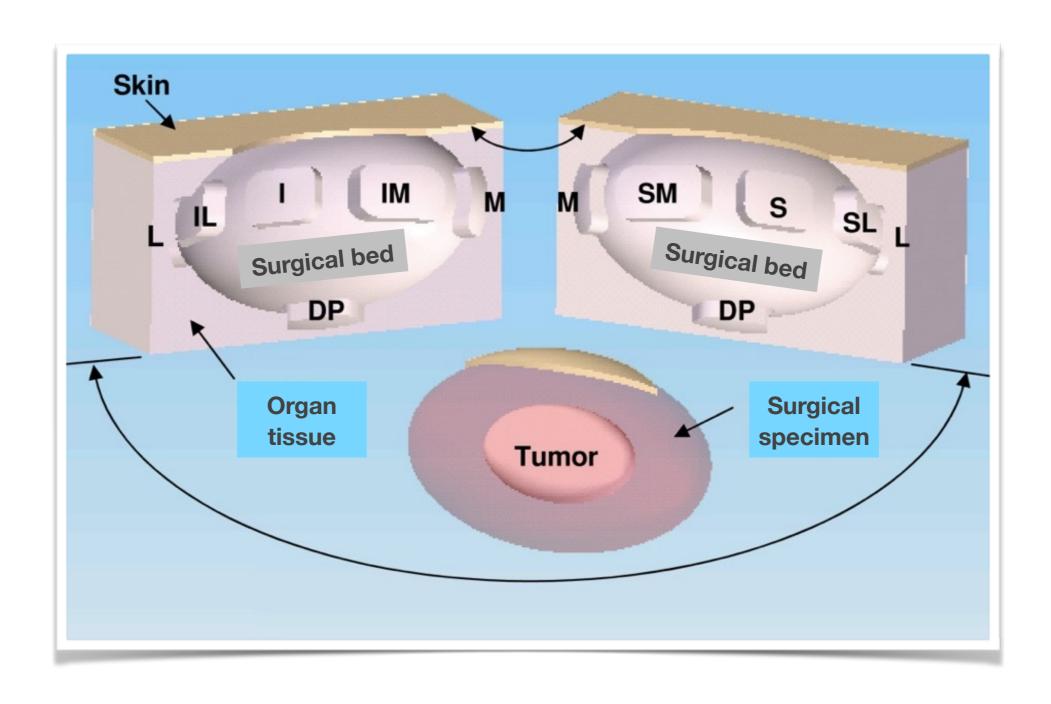
Alfredo Polo MD, PhD
Division of Human Health
International Atomic Energy Agency

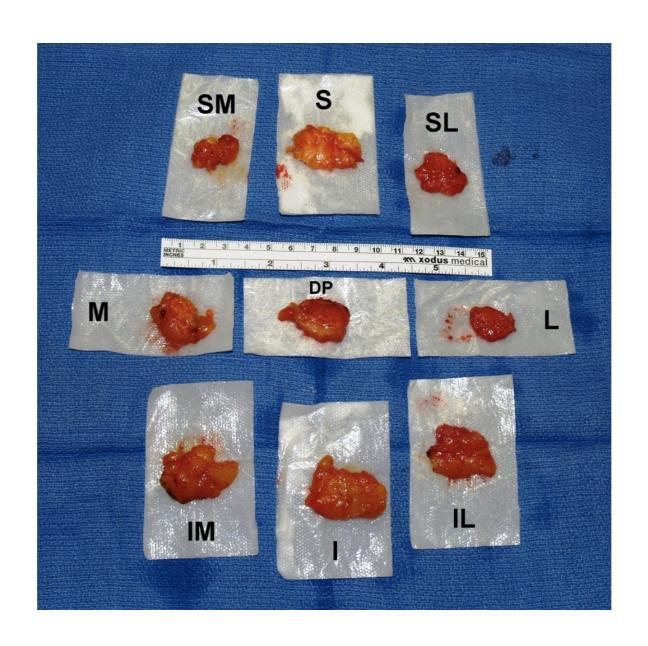


INTRAOPERATIVE BRACHYTHERAPY FOR SOFT TISSUE SARCOMA

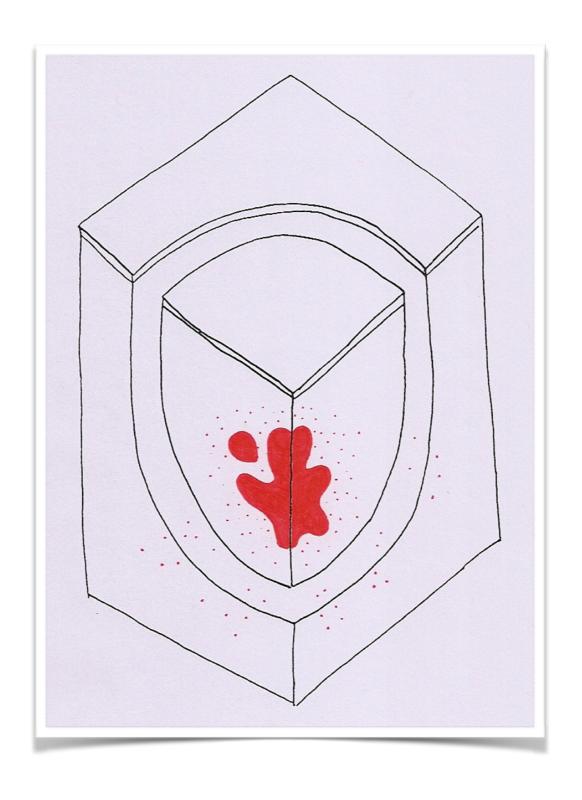




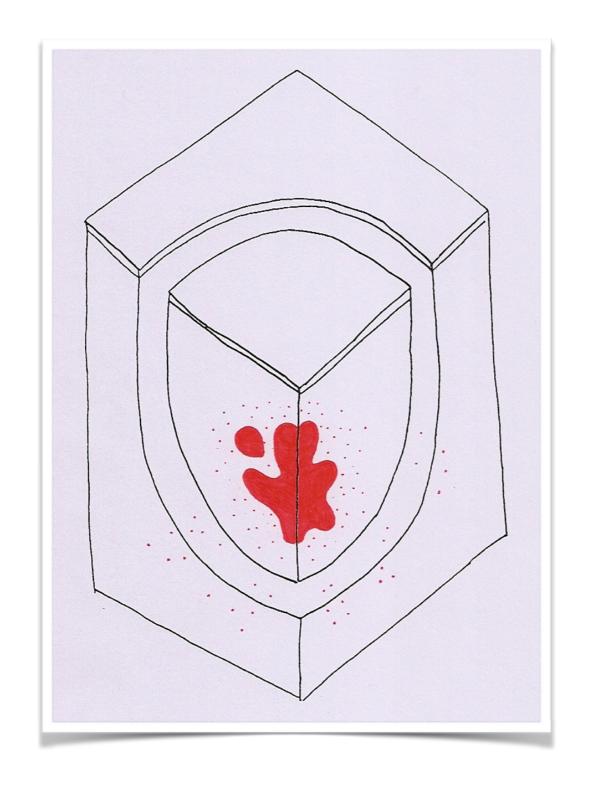


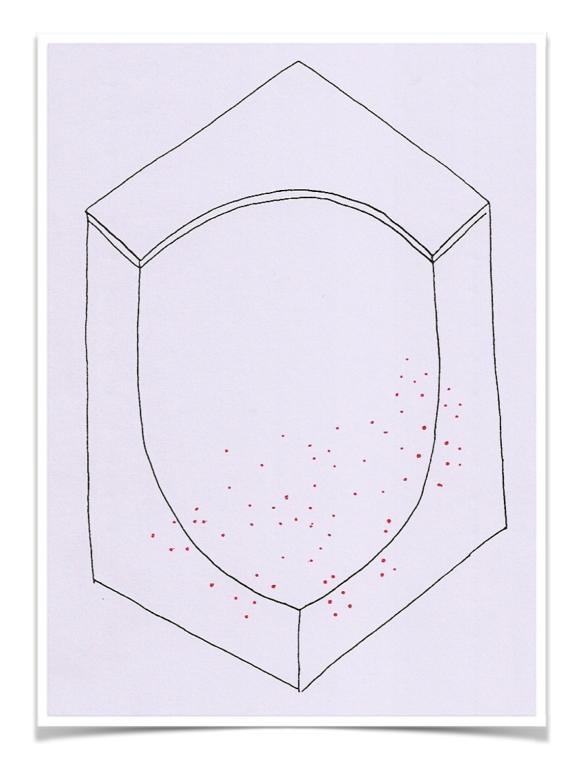


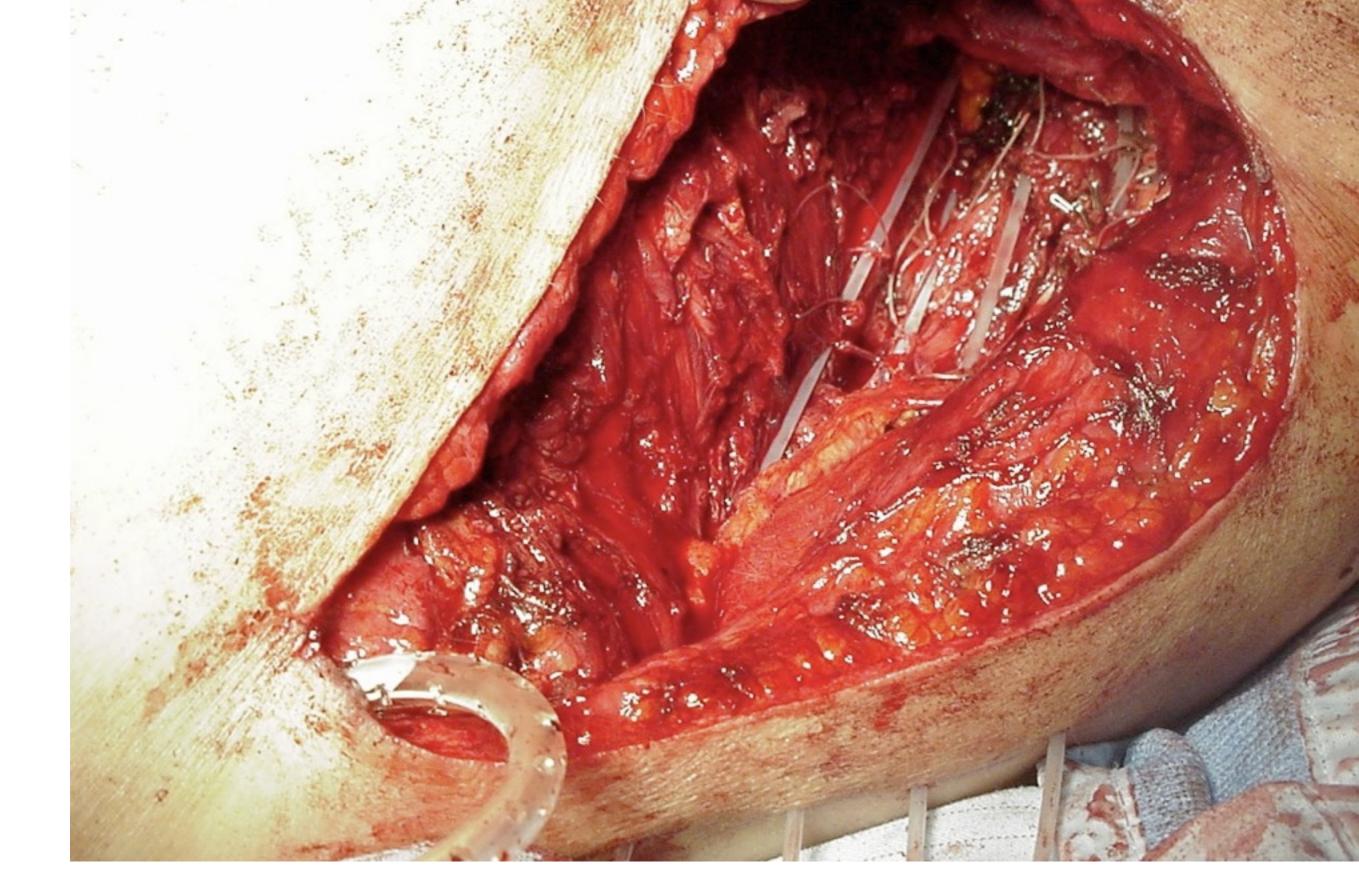
SURGICAL BED AND RESIDUAL DISEASE

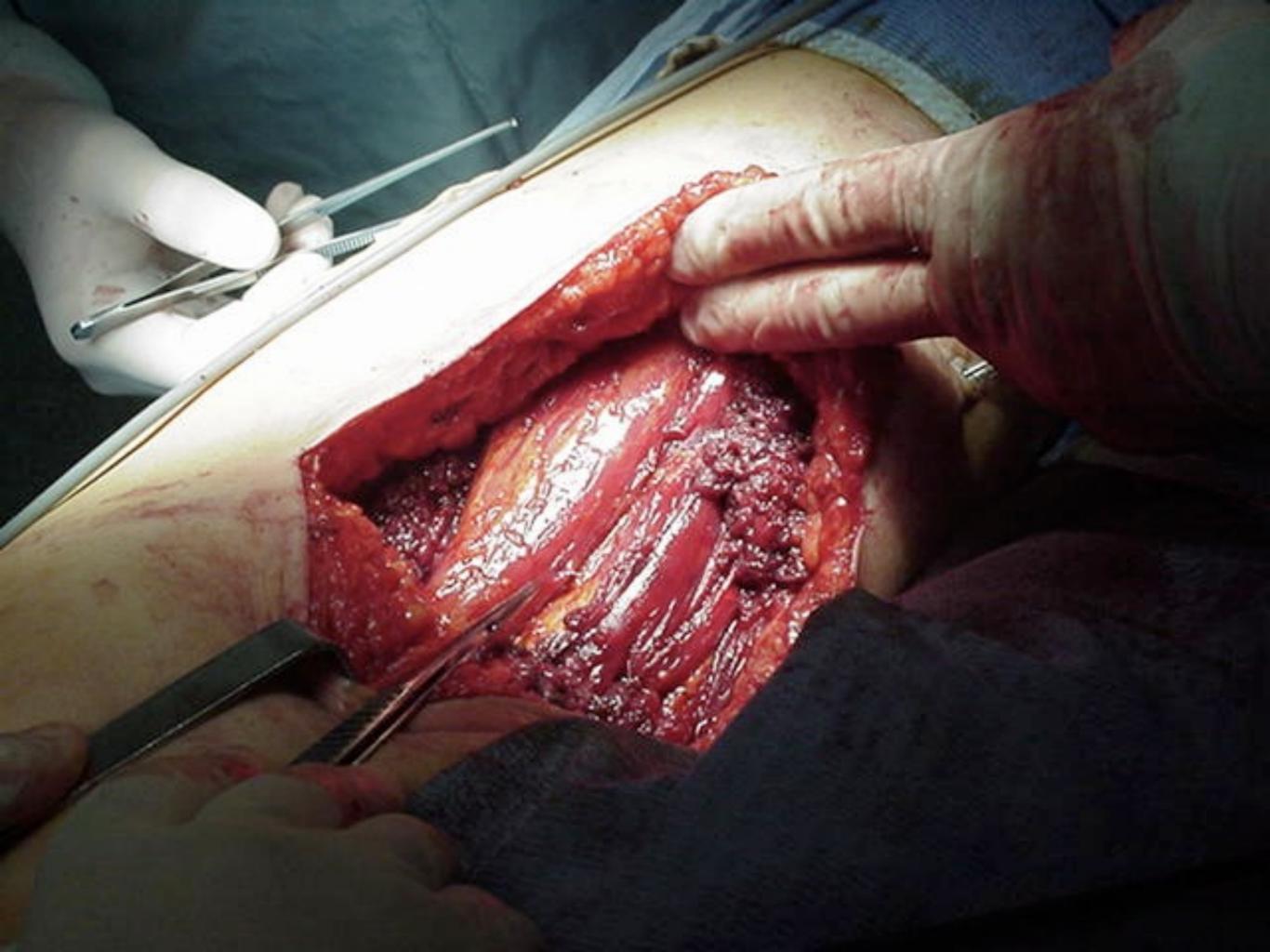


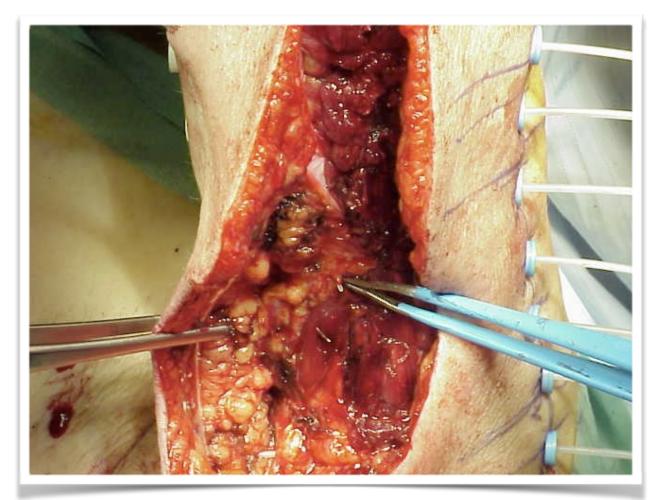
SURGICAL BED AND RESIDUAL DISEASE





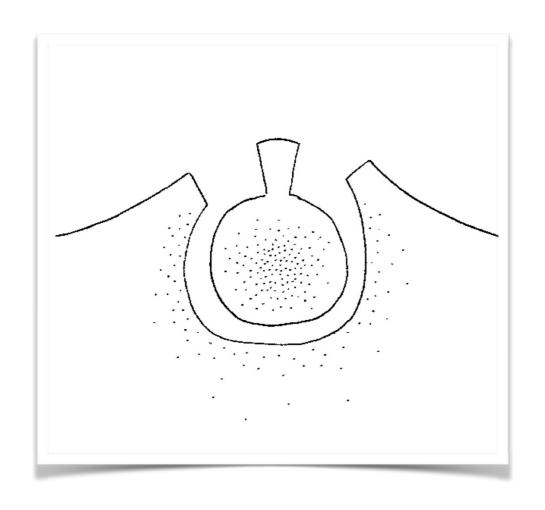


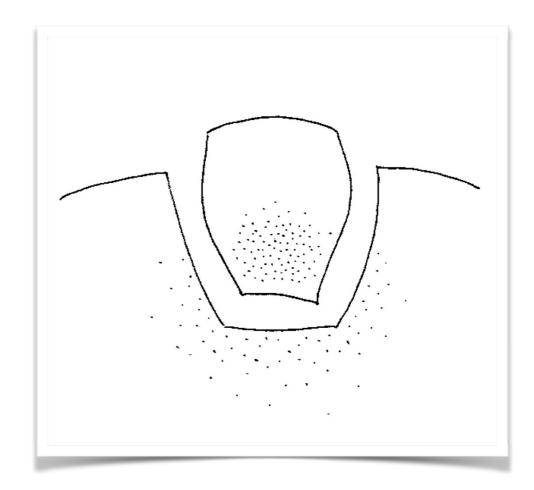




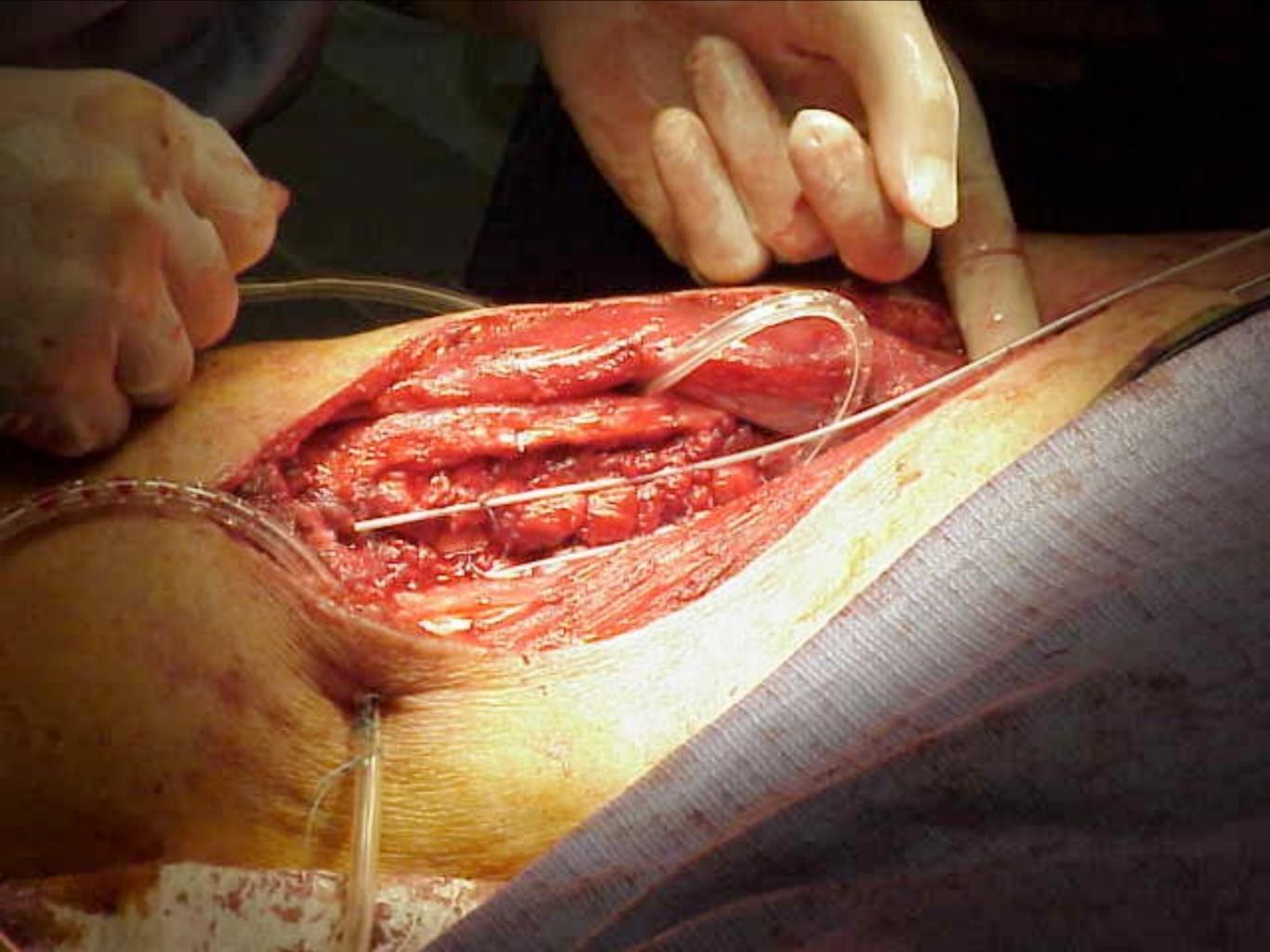


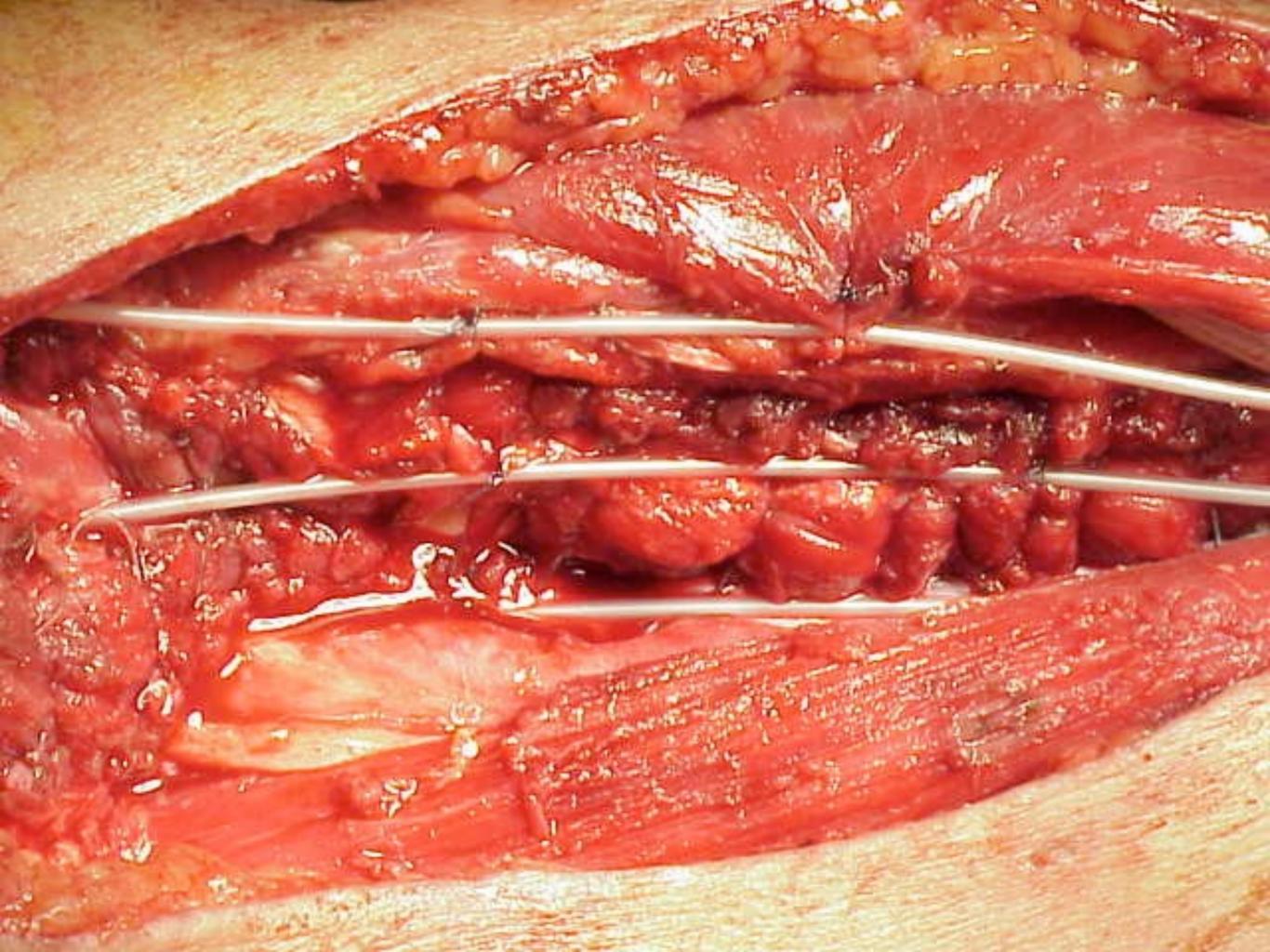
DIFFERENT CONFIGURATIONS FOR THE SURGICAL BED

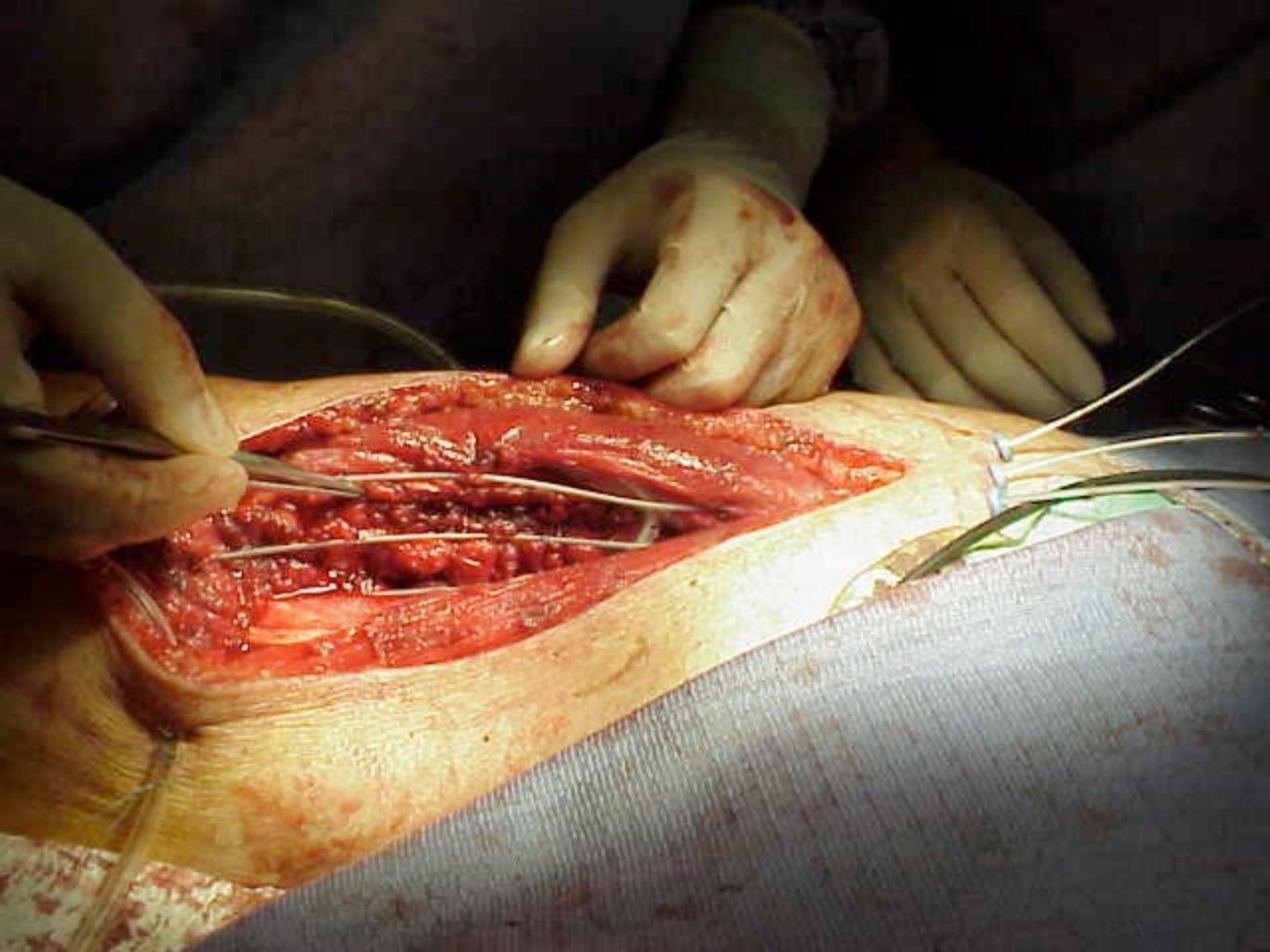
















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CLINICAL INVESTIGATION

Sarcoma

THE AMERICAN BRACHYTHERAPY SOCIETY RECOMMENDATIONS FOR BRACHYTHERAPY OF SOFT TISSUE SARCOMAS

Subir Nag, M.D.,* Daniel Shasha, M.D.,† Nora Janjan, M.D.,‡ Ivy Petersen, M.D.,§ and Marco Zaider, Ph.D. for the American Brachytherapy Society

*Ohio State University, Columbus, OH; †Beth Israel Medical Center, New York, NY; ‡U.T.M.D. Anderson Cancer Center, Houston, TX; §Mayo Clinic, Rochester, MN; Memorial Sloan Kettering Cancer Center, New York, NY



BRACHYTHERAPY

Brachytherapy 12 (2013) 179-190

American Brachytherapy Society (ABS) consensus statement for sarcoma brachytherapy

Caroline L. Holloway^{1,*}, Thomas F. DeLaney², Kaled M. Alektiar³, Phillip M. Devlin⁴, Desmond A. O'Farrell⁴, D. Jeffrey Demanes⁵

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⁴Department of Radiation Oncology, Dana-Farber Cancer Institute, Brigham and Women's Cancer Center, Harvard Medical School, Boston, MA

⁵Division of Brachytherapy, Department of Radiation Oncology, University of California, Los Angeles, CA

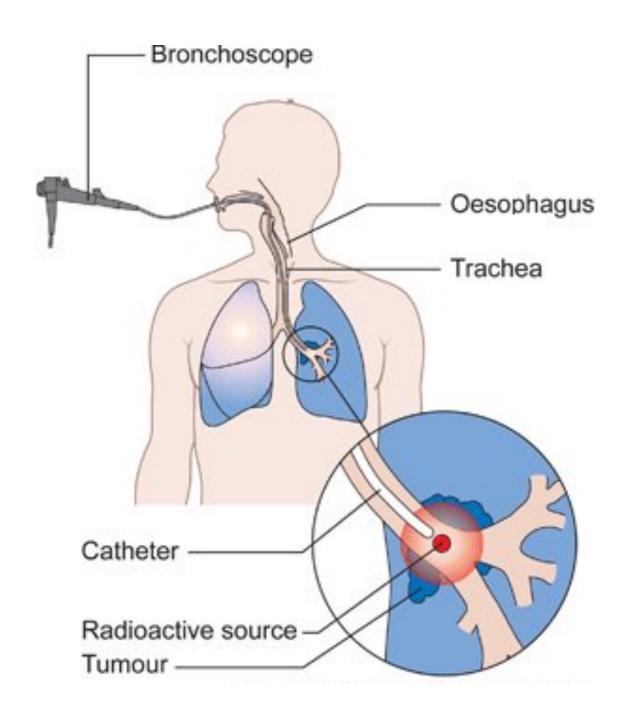
INTRALUMINAL BRACHYTHERAPY FOR ENDOBRONCHIAL MALIGNANCIES

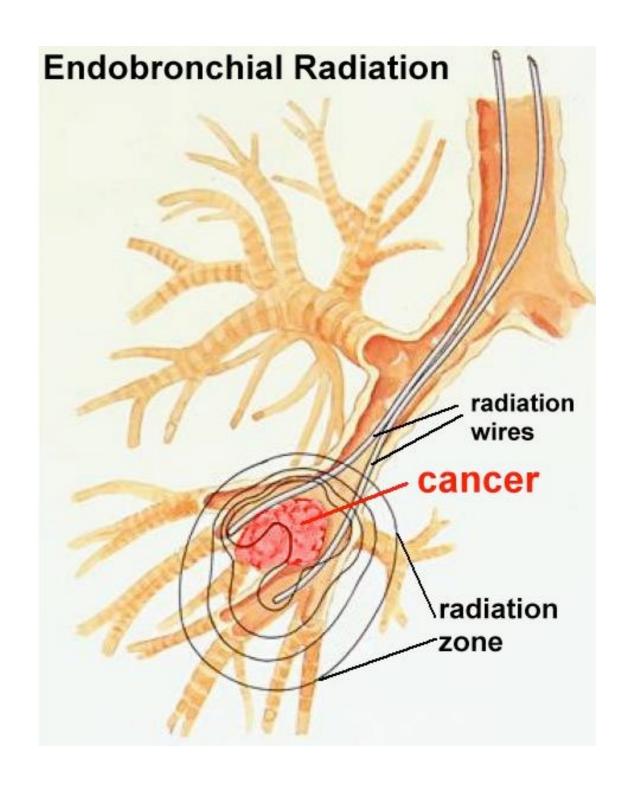
1922: Yankauer described two cases of lung cancer treated endoscopically with radium (Ra)-226 [Yankauer S: Two cases of lung tumour treated bronchoscopically. NY Med J 21:741-742, 1922]

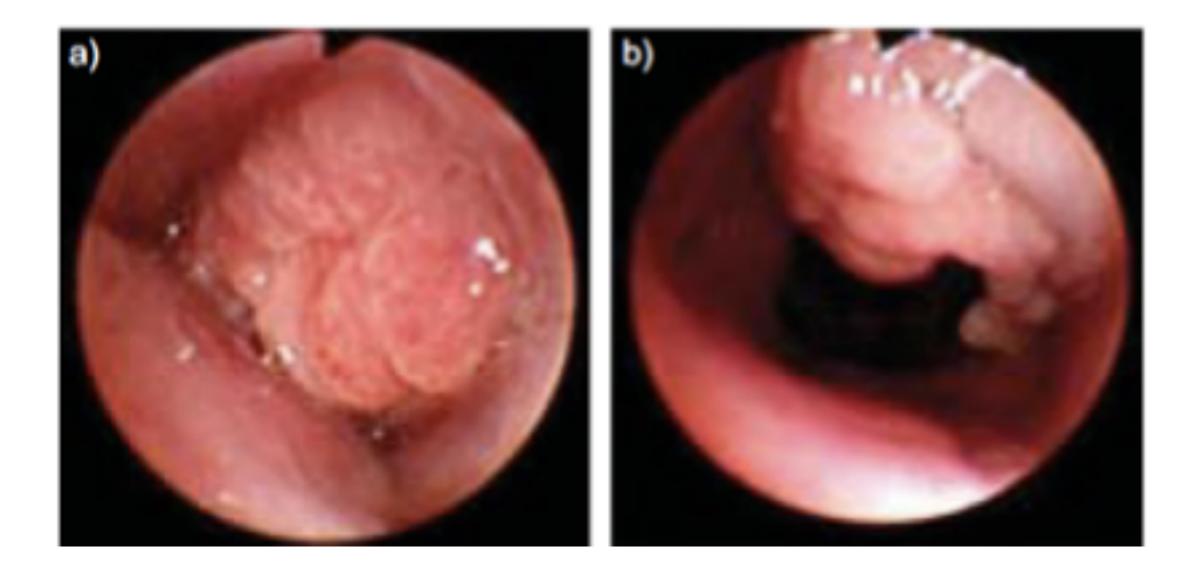
1933: Graham and Singer implanted radon-222 seeds into lung tumors [Graham EA, Singer JJ: Successful removal of an entire lung for carcinoma of the bronchus. JAMA 101:1371-1374, 1933]

1941: Ormerod performed transbronchial brachytherapy [Ormerod FC: Some notes on the treatment of carcinoma of the bronchus. J Larynx Otol 56:1-10, 1941]

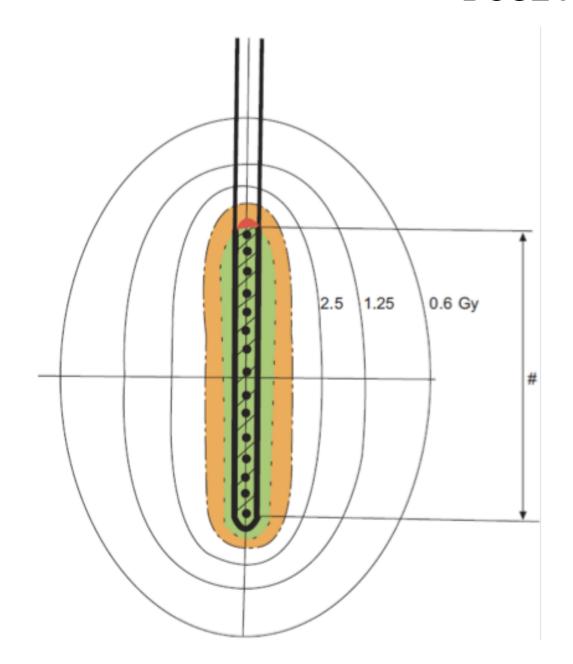
1949: Ariel, IM et al. The use of interstitial radon seeds and needles in inoperable lung cancer. Cancer 1949; 2: 581-586

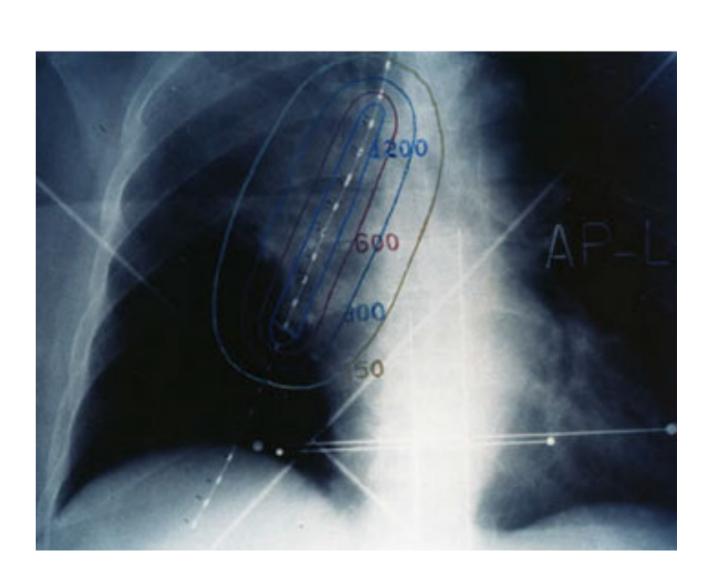




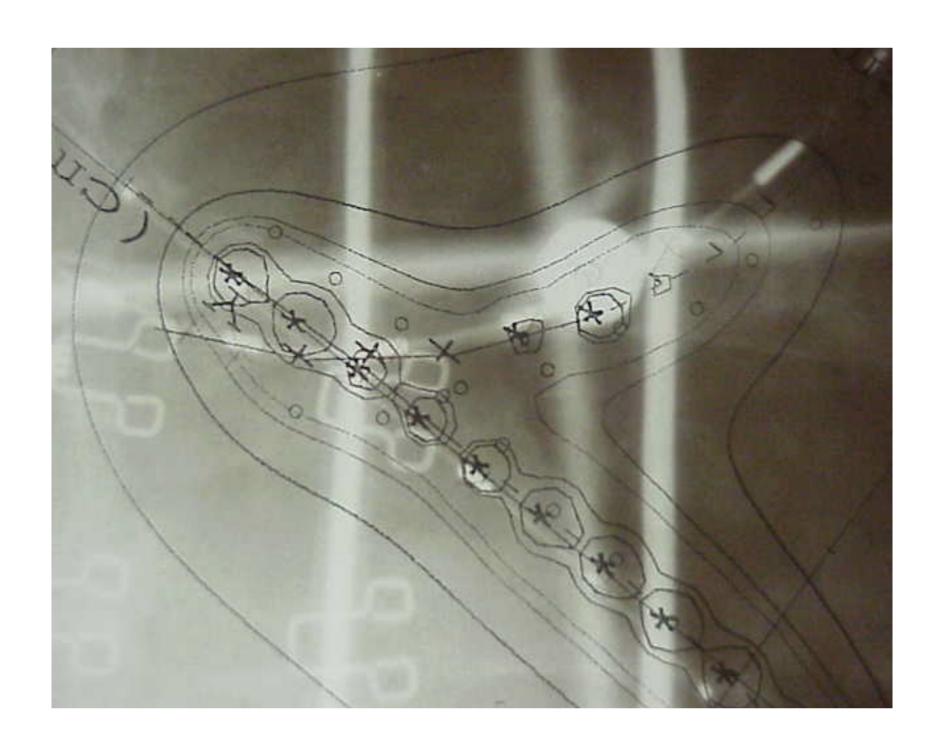


DOSE PRESCRIPTION

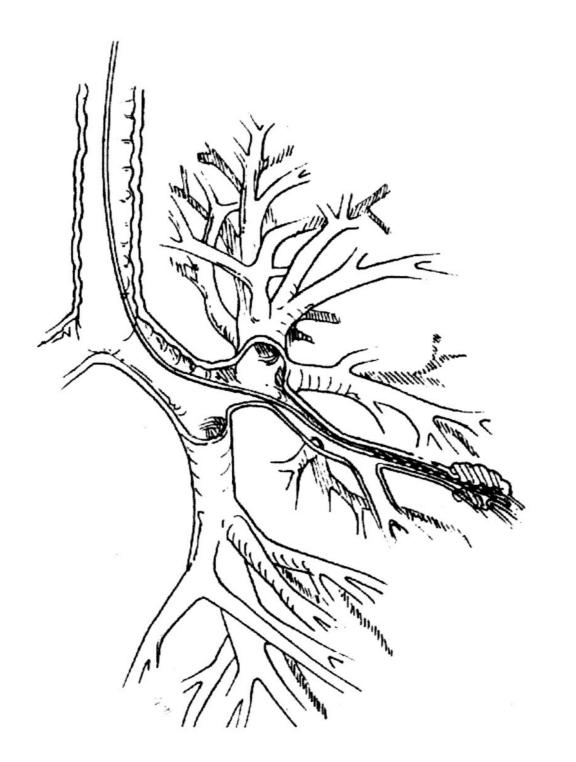


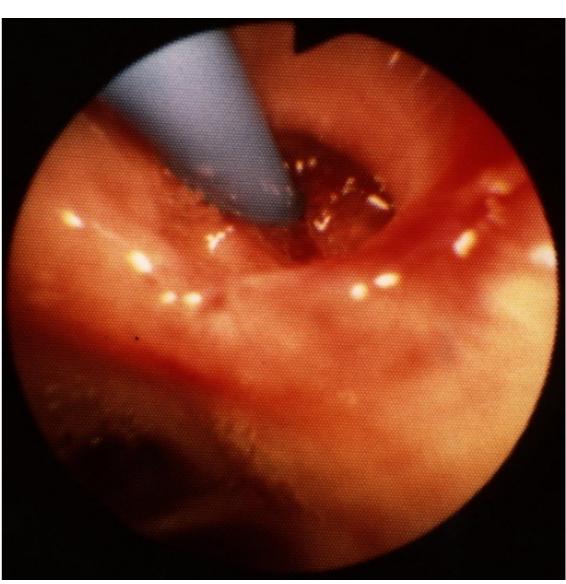


ENDOBRONCHIAL CATHETER

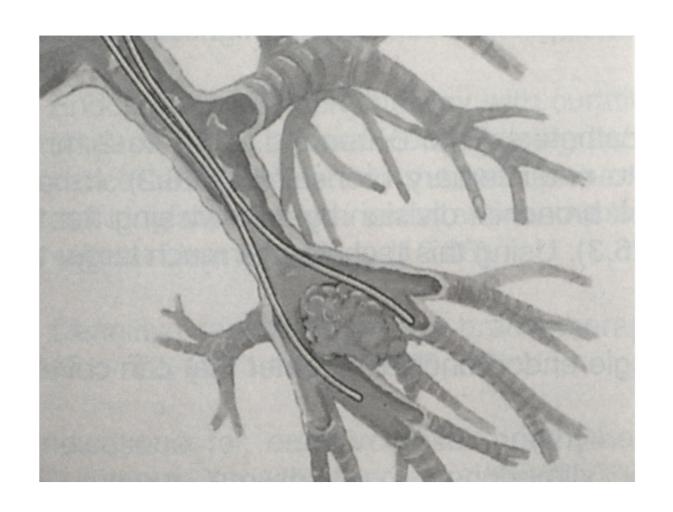


COMPLETELY OBSTRUCTING LESIONS



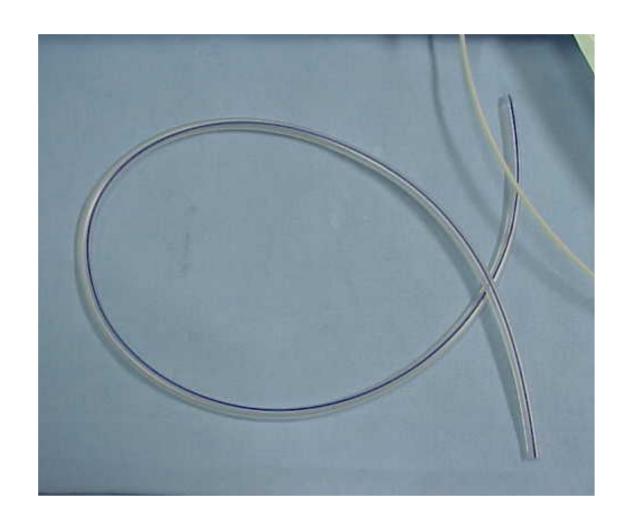


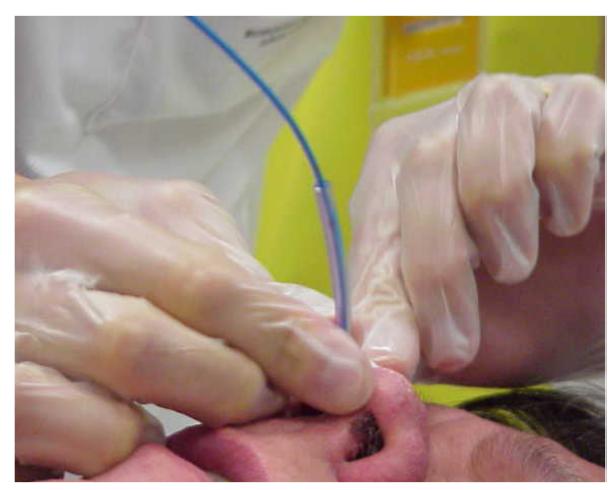
DOUBLE CATHETER TECHNIQUE



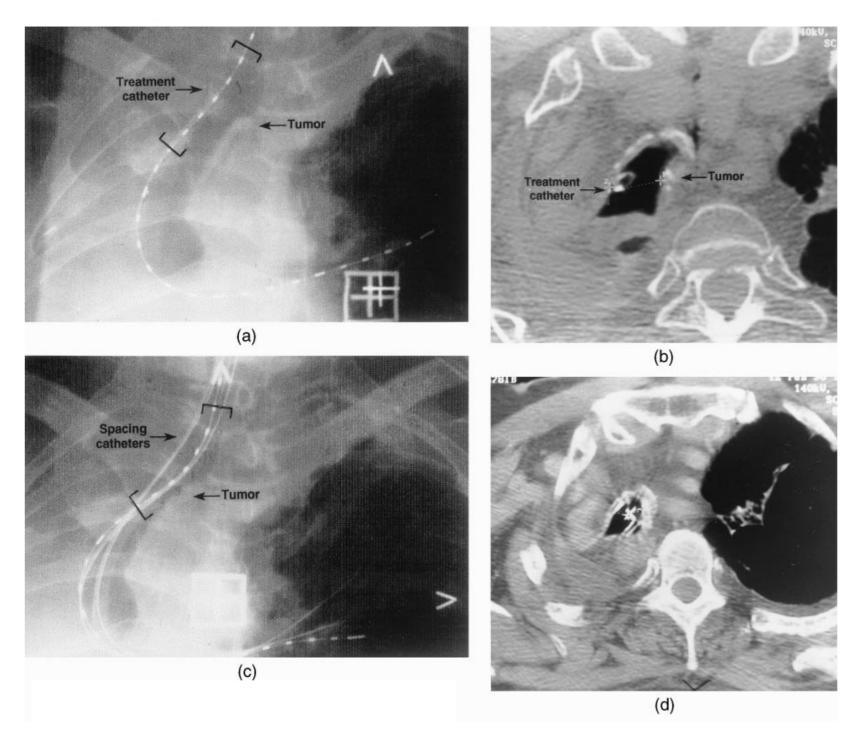


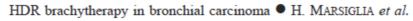
APPLICATOR POSITIONING TECHNIQUE





SPACING CATHETER TECHNIQUE

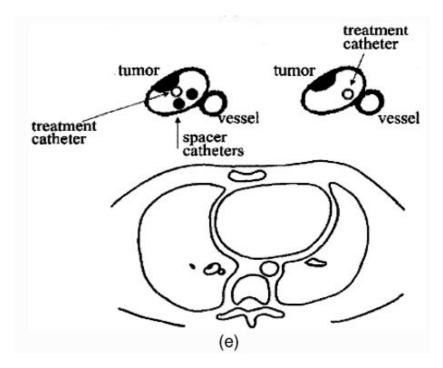


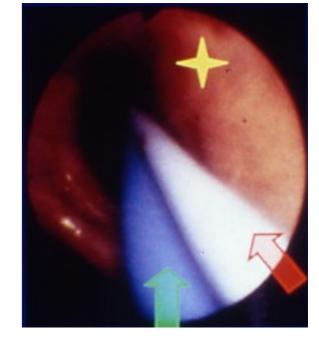


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Biology

Physics Volume 47, Number 3, 2000





TOXICITY



BRACHYTHERAPY FOR EYE MALIGNANCIES

TWO ISOTOPES FOR LDR BRACHYTHERAPY

Ru-106 Eye Applicators
Beta Radiation for Eye Tumor Treatment



I-125 Ophthalmic Seeds Individual Eye Tumor Treatment with COMS Eye Applicators



