A large, modern medical linear accelerator (LINAC) is the central focus of the image. The machine is a large, grey, cylindrical structure with a complex, multi-layered design. It is situated in a treatment room with a light-colored floor and walls. In the background, there are several computer monitors mounted on a stand, displaying various data and graphs. A fan is visible in the background, and a chair is positioned near the LINAC. The overall scene is a professional medical environment.

RADIATION ONCOLOGY

Dalhousie University - Career Evening 2022

Radiation Oncology
is about

TECHNOLOGY

TECHNOLOGY



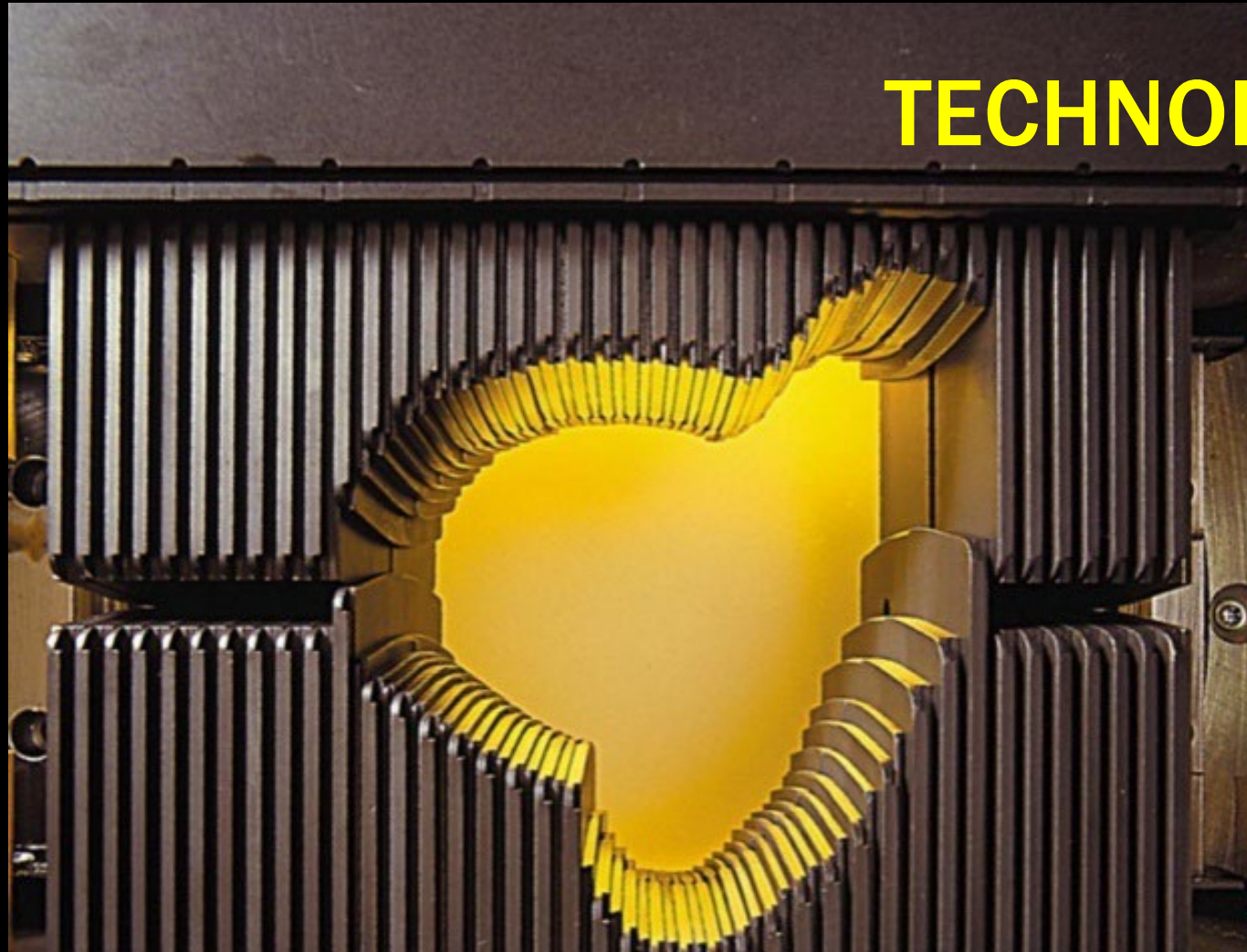
Linear Accelerators are used to generate ionizing radiation to treat cancer patients

TECHNOLOGY



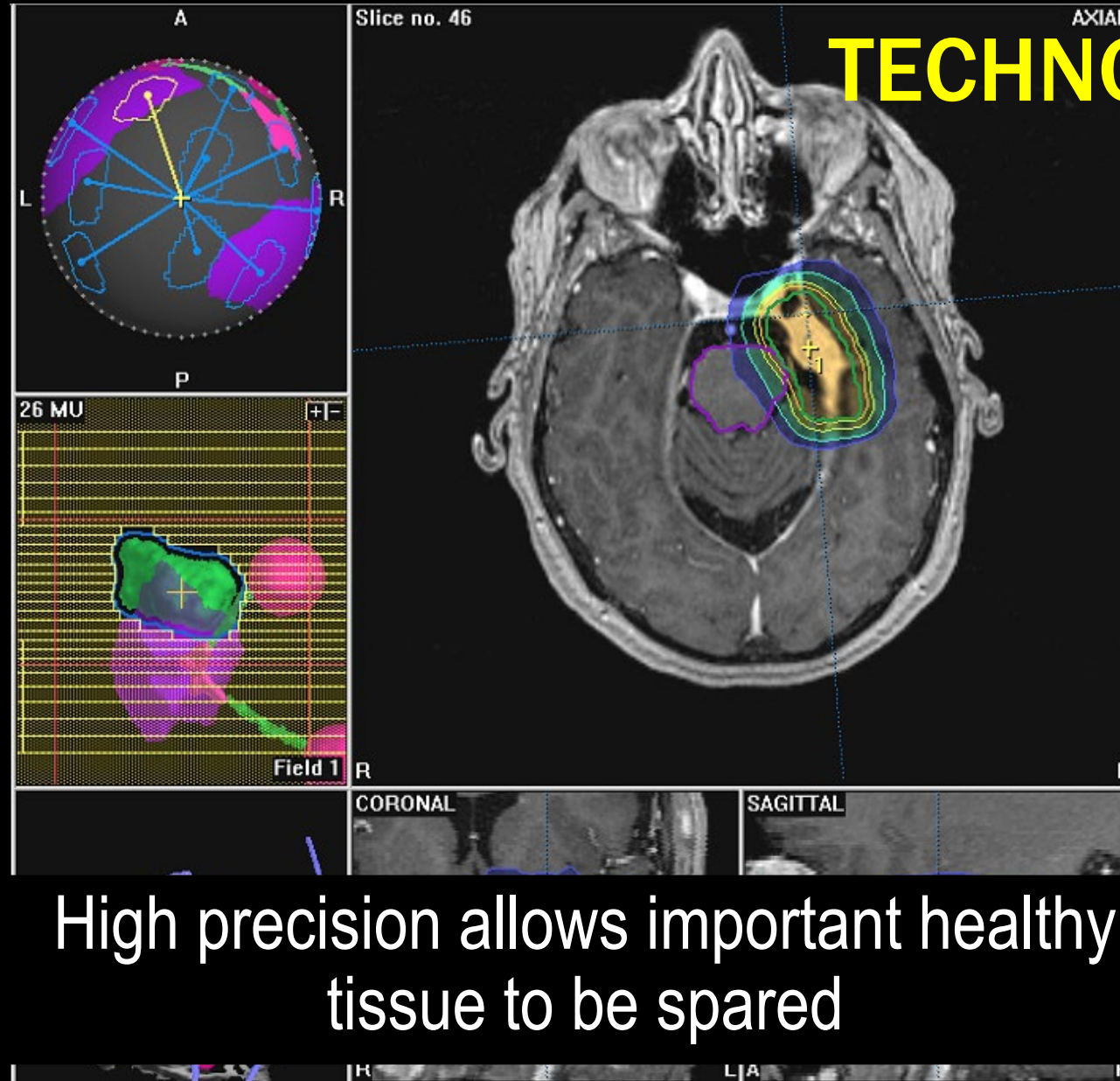
Patients are immobilized for their daily treatments using high precision techniques

TECHNOLOGY



Radiation can be sculpted around sensitive structures to specifically target tumors

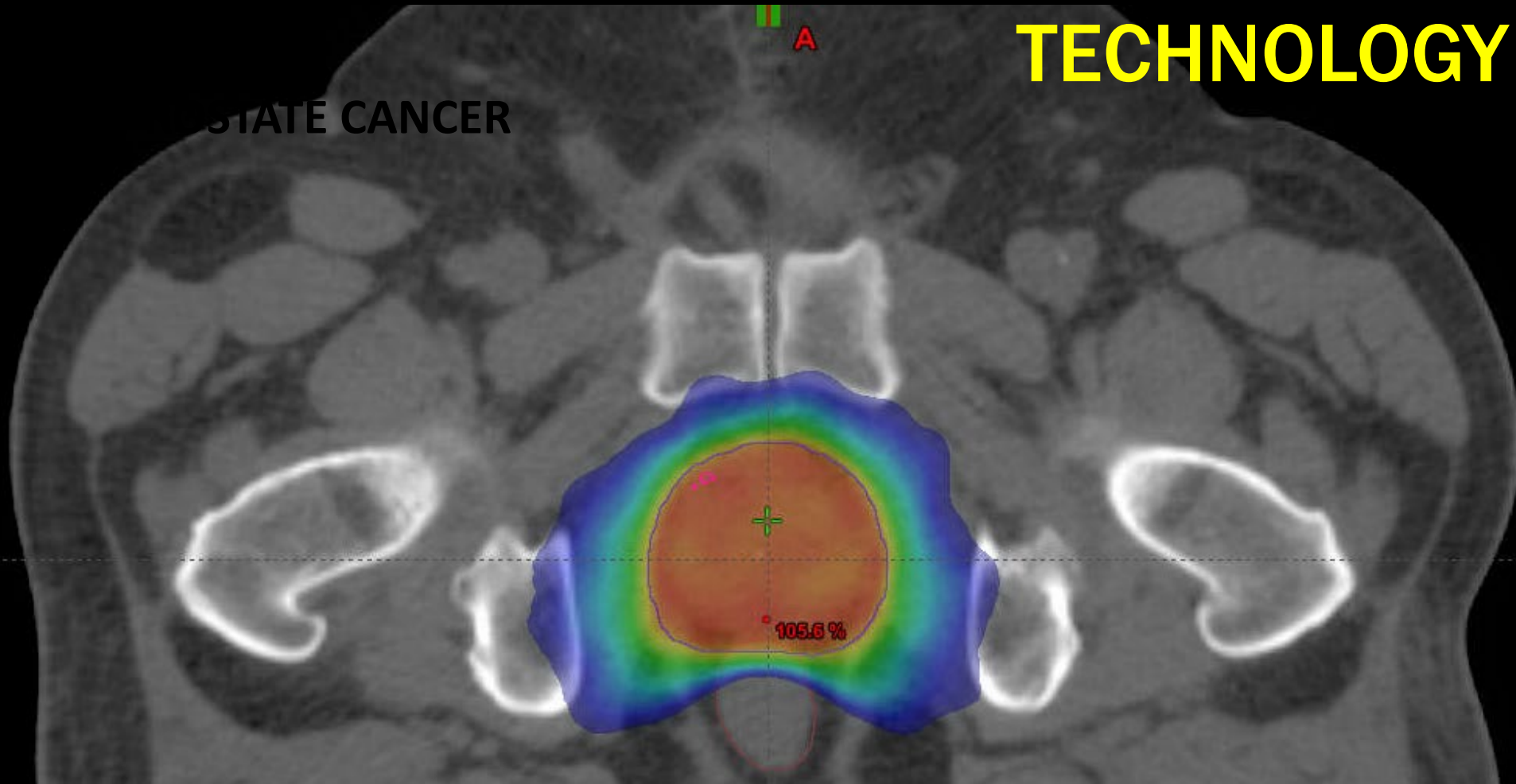
TECHNOLOGY



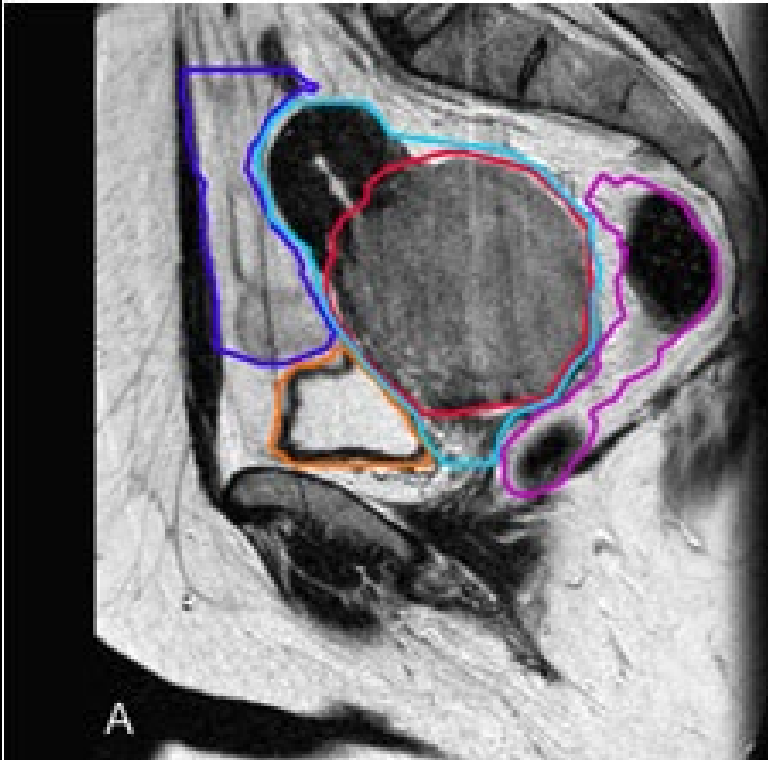
High precision allows important healthy tissue to be spared

TECHNOLOGY

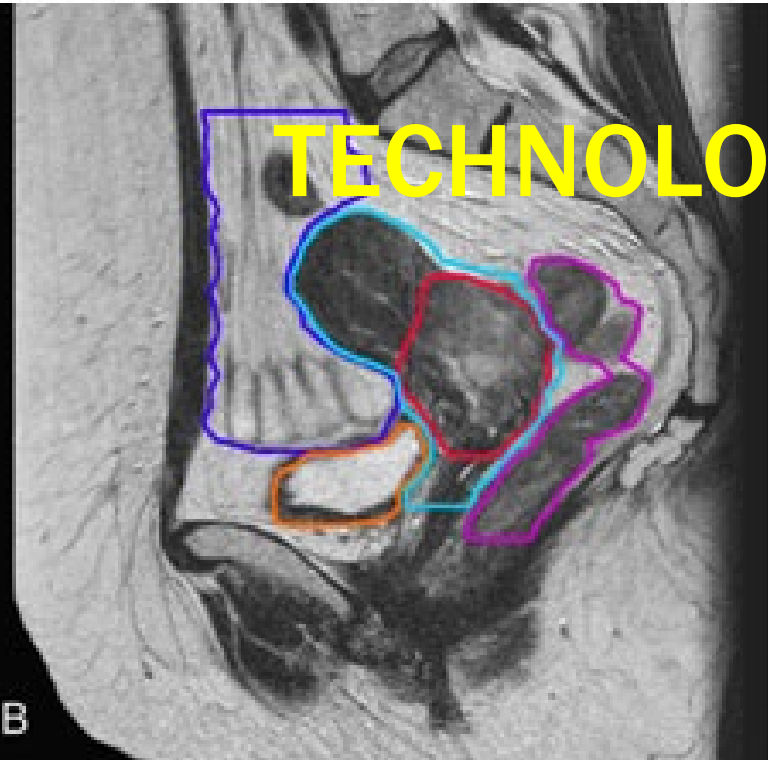
STATE CANCER



Deep tumors can be precisely treated
(example: prostate as seen here)

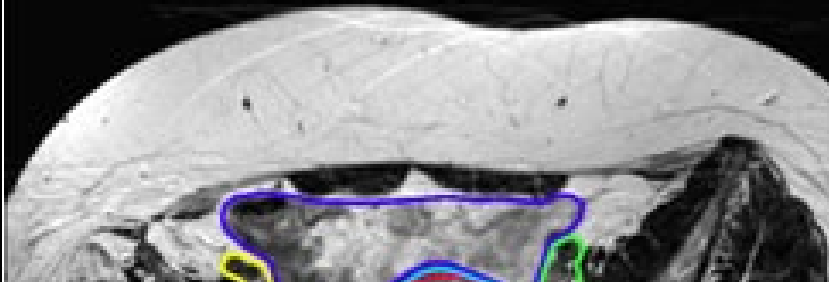


A

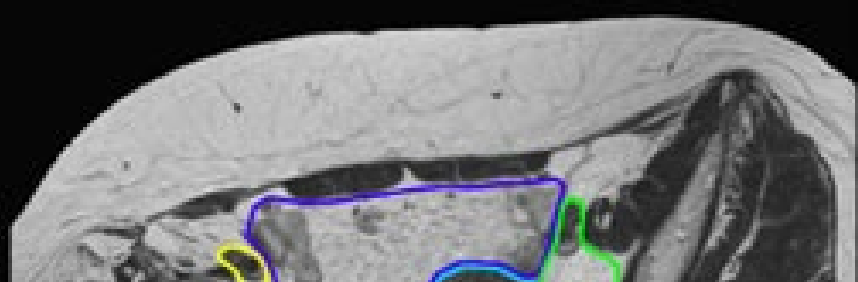


TECHNOLOGY

B



C



D

Advantage can be made of advanced imaging techniques to guide treatment

Radiation Oncology
is about

PATIENT CARE

PATIENT CARE



Close relationships with patients are formed as they transition through their cancer care

PATIENT CARE



Practice includes curing cancers as well as palliating symptoms in advanced cases

Radiation Oncology
is about

TEAM WORK



TEAM WORK

Multidisciplinary team of Radiation Therapists,
Medical Physicists, Nurses and Dosimetrists

TEAM WORK



Work closely with medical oncologists, surgeons, pathologists, radiologists, and other MDs

Radiation Oncology
is about

**CUTTING EDGE
RESEARCH**



RESEARCH

Variety of research opportunities, including clinical trials, basic science and patient outcome studies

RESEARCH



Many Medical Physics and Radiation Oncology collaborative research projects exist

Radiation Oncology
is about

**WORK-LIFE
BALANCE**

WORK-LIFE BALANCE

JAMES AND EDNA (GEORGE) CLAYDON RADIATION TREATMENT CLINIC

The radiation treatment clinic is named in honour of James Claydon and Edna (George) Claydon to recognize their generosity in creating the James and Edna (George) Claydon Radiation Treatment Clinic in 1978.

Following graduation Edna practiced nursing in the emergency department of the James Victoria General Hospital, a caring and devoted nurse. Edna and James have remained committed to giving back, and Edna especially has kept her own, and the tremendous respect she has for health care providers.

The QEII Health Sciences Centre Foundation gratefully acknowledges all gifts to the James and Edna (George) Claydon Radiation Treatment Clinic including those donors who wish to remain anonymous. Listed are the names of donors whose gifts were \$25,000 or more.

October 11, 2012




Estate of Victor Louis Reed
Black & McDonald Limited
Black & McDonald Limited Employees
James & Edna (George) Claydon
Dr. Howard & Karen Center
Wahli & Cathy Fares
The Gauthier and David families
Victor & Judith Goldberg
Beim & Nadia Halef
Halifax International Airport Authority

Lindsay Construction
John Lindsay & Anne Campbell
Edward & Ruby Longard
Anjina Majhail
Manulife Financial Corporation, Canada Division
Bruce & Sally Marchand
John McLennan
Stephen & Jill Plummer
Doug Hall & Sherry Porter


QEII Members of the Department of Surgery
Radiation Oncology Services Incorporated
John Risley
Scotiabank Group
TD Bank
Rena Webber
David Winter & Judy Wilson
Winter (In memory of)
The Zive Family

Excellent lifestyle with adequate remuneration
and reasonable call schedule



WORK-LIFE BALANCE

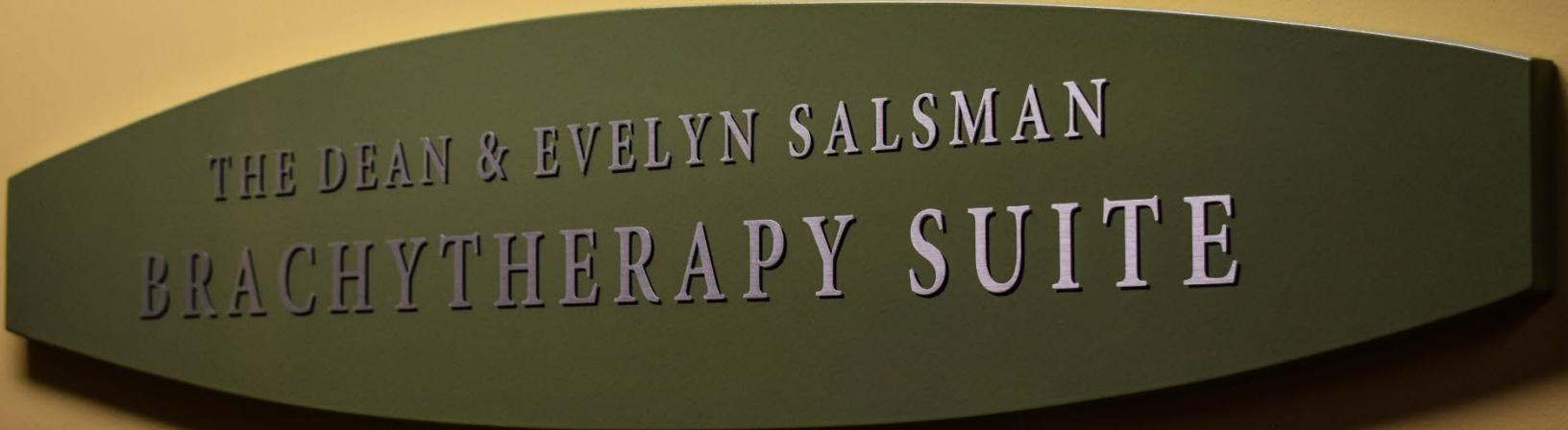
Busy during regular working hours with
reasonable hours on evenings/weekend



Radiation Oncology
is about

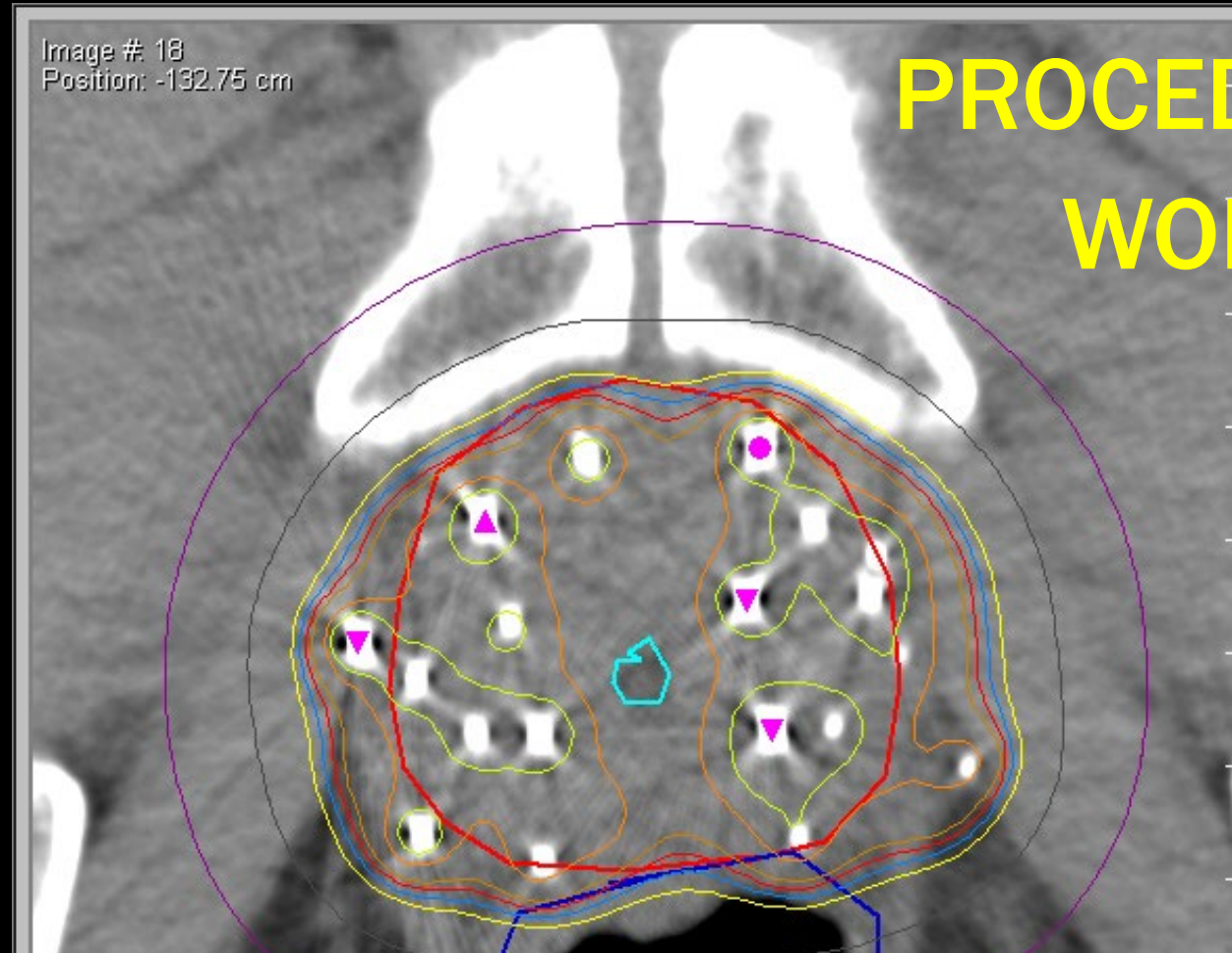
**PROCEDURAL
WORK**

PROCEDURAL WORK



THE DEAN & EVELYN SALSMAN
BRACHYTHERAPY SUITE

Opportunities to practice Brachytherapy
(implantable forms of radiation therapy)

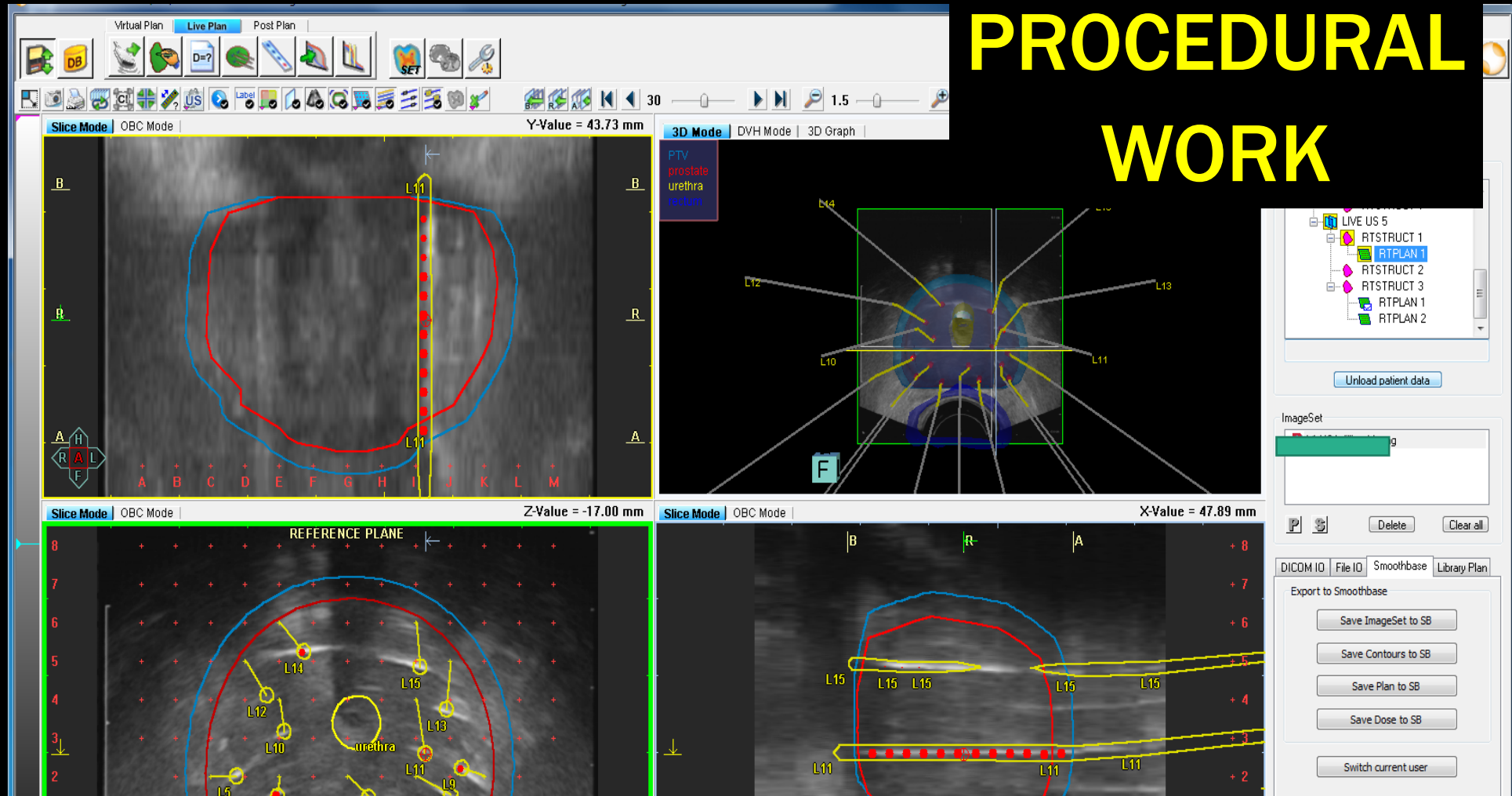


PROCEDURAL WORK

Brachytherapy allows radiation dose in excess of that achievable with external beam RT
(Common in prostate, cervical, uterine cancers)



PROCEDURAL WORK



Real-time imaging allows radiation treatments to be planned and delivered during the procedure

Radiation Oncology
is about

TEACHING

TEACHING



Many opportunities to teach medical students,
residents and the general public

Radiation Oncology

RESIDENCY



RESIDENCY

5 year direct entry from CaRMS
Programs offered at 13 schools (21 spots available)

