



RADIONUCLIDE THERAPY
PERSPECTIVE

at Cho Ray hospital, Viet Nam

Nguyen Xuan Canh
Cho Ray Hospital
Ho Chi Minh city, Viet Nam



Bệnh viện Chợ rẫy vào năm 1919
Choray Hospital in 1919

Cho Ray Hospital, Ho Chi Minh city, Viet Nam



1900 - *established*

1971 - *rebuilt*

General hospital with 1750 beds

***cover medical treatments of 37 Southern provinces
with total population of 40 millions***

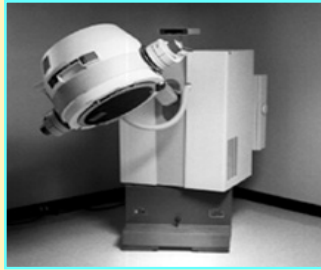


Department of Nuclear Medicine, CRH





Rectilinear
scanner
1978



Gamma camera
1992
IAEA support



SPECT
1998
IAEA support



SPECT/CT
2006



Rong house in highland province



Grave's disease



Thyroid cancer



**Bone metastasis
palliation**



**Radiosynovectomy with
Re-188 Tin Colloid**

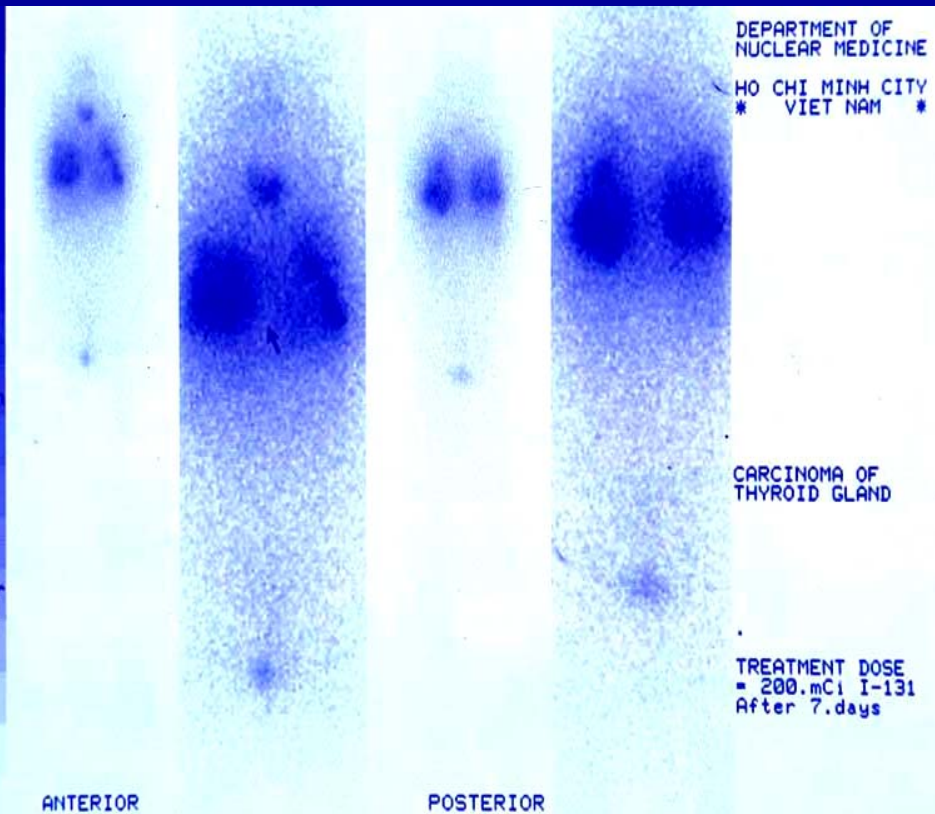


**Re-188 Lipiodol
treatment of Liver cancer**



Thien Mu pagoda in Hue city

TREATMENT OF THYROID CANCER WITH RADIOIODINE-131



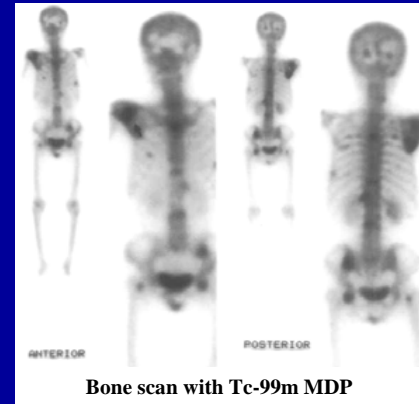
Physician examined
the patient
in isolated room

WHOLE BODY SCAN
Pulmonary metastasis
of thyroid cancer

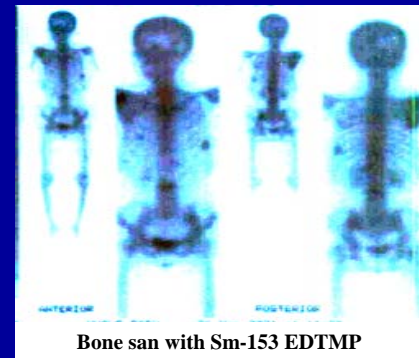
PALLIATIVE TREATMENT OF BONE METASTASIS WITH Sm-153 EDTMP



Physician injected Sm-153 EDTMP into the patient



Bone scan with Tc-99m MDP



Bone scan with Sm-153 EDTMP

RADIOSYNOVECTOMY WITH Re-188 TIN COLLOID



TREATMENT OF INOPERABLE LIVER CANCER WITH Re-188 LIPIODOL



TREATMENT OF INOPERABLE LIVER CANCER WITH Re-188 LIPIODOL

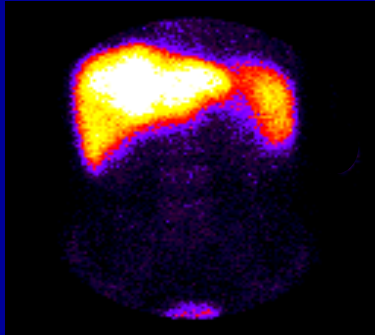
Pat : LT

1st treatment dose : 140 mCi (22/07/02)

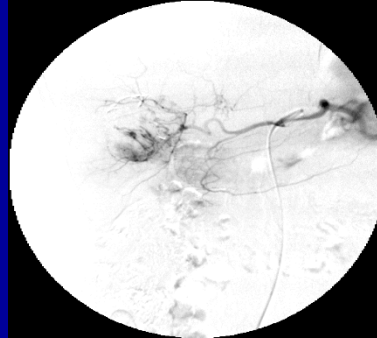
2nd treatment dose : 246 mCi (11/10/02)

Hepatectomy : 17/03/2003

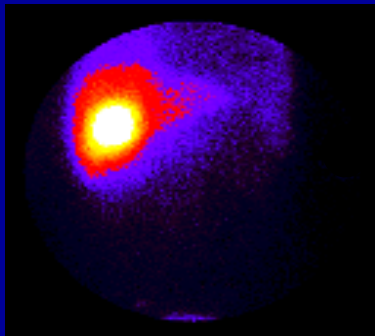
Liver Scan with
Tc-99m Phytate



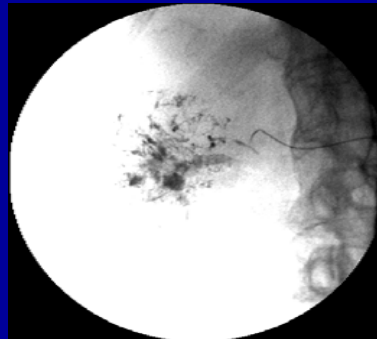
Angiography



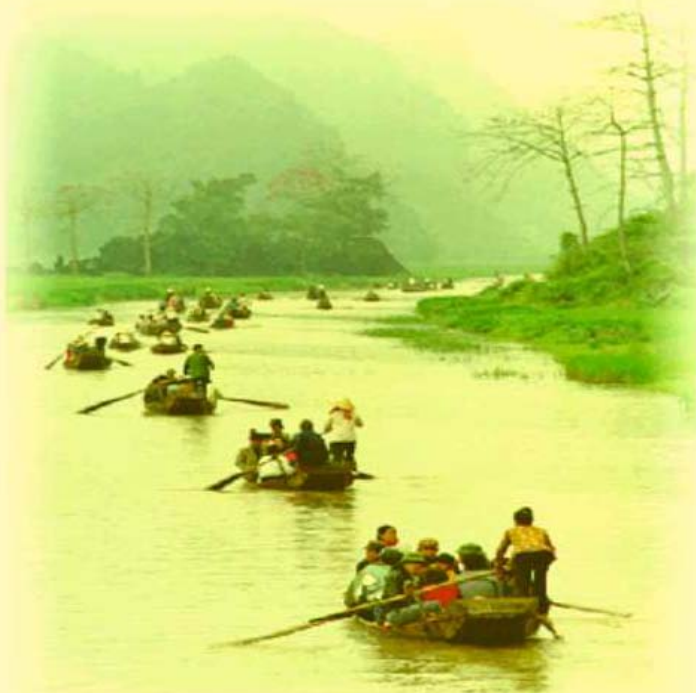
Liver Scan
after Scout dose
Re-188 Lipiodol



Injection of
Re-188 Lipiodol



TREATMENT OF INOPERABLE LIVER CANCER WITH Re-188 LIPIODOL



From 2000 to 2005,
73 patients have been
treated with 116 treatment
courses.

Survival:

95% at 3 months

75% at 6 months

40% at 12 months

Road to Huong (Perfume) pagoda festival

From 2005, we have had no more generator W-188/Re-188



Royal palace in Hue city

Cho Ray hospital

PET CT & CYCLOTRON

Establishment & development

15 March 2009,
Opening
ceremony of
PET/CT and
Cyclotron



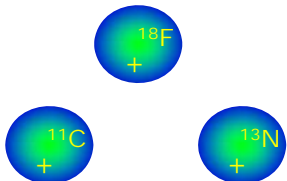
Cho Ray hospital

PET CT & CYCLOTRON

Establishment & development



**Cyclotron
Eclipse HP
11 MeV**



Cho Ray hospital

PET CT & CYCLOTRON

Establishment & development

^{18}F -FDG

^{11}C -Acetate

^{18}F -DOPA

^{13}N -NH₃

CYANIDE

2 Empty
box for
new drugs

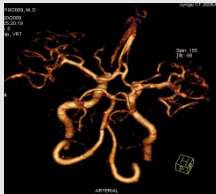


8 boxes

Cho Ray hospital

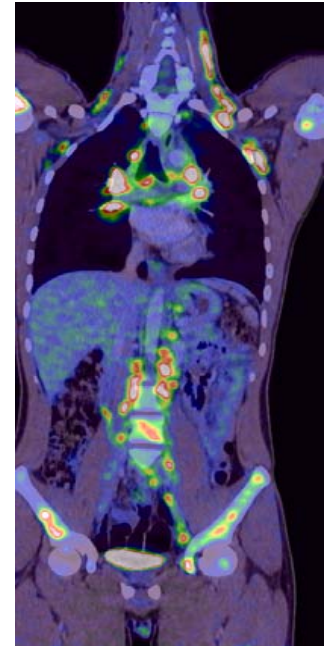
PET CT & CYCLOTRON

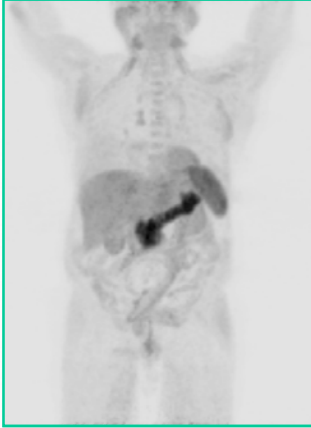
Establishment & development



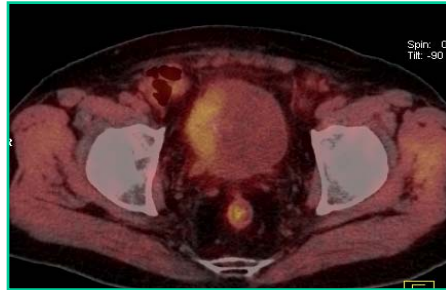
**Biograph PET/CT 64
TruePoint w/TrueV**

1000 cases of PET/CT
8000 cases of CT scan
during 2 years

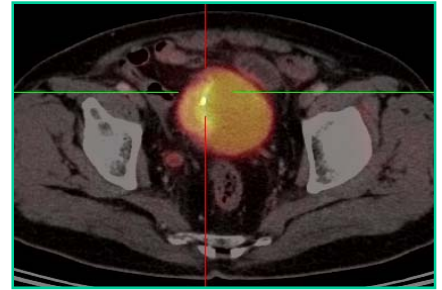




C-11 Acetate PET/CT



C-11 Acetate



F-18 FDG

RADIONUCLIDE THERAPY PERSPECTIVE

We expect:

- **TREATMENT OF LYMPHOMA WITH I-131 RITUXIMAB**
- **TREATMENT OF INOPERABLE LIVER CANCER WITH Re-188 LIPIODOL**