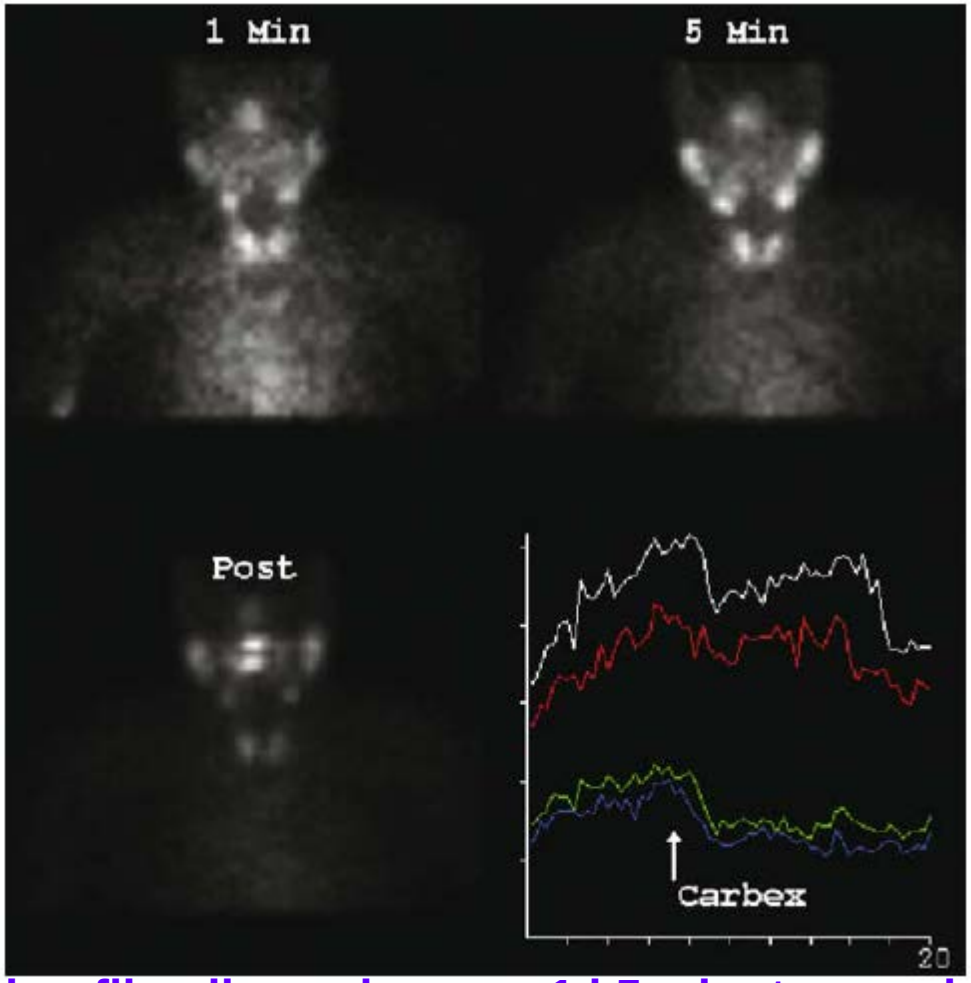
DIGESTIVNI SISTEM

pljuvačne žlezde
jednjak
želudac
intestinumsko krvarenje
jetra
slezina

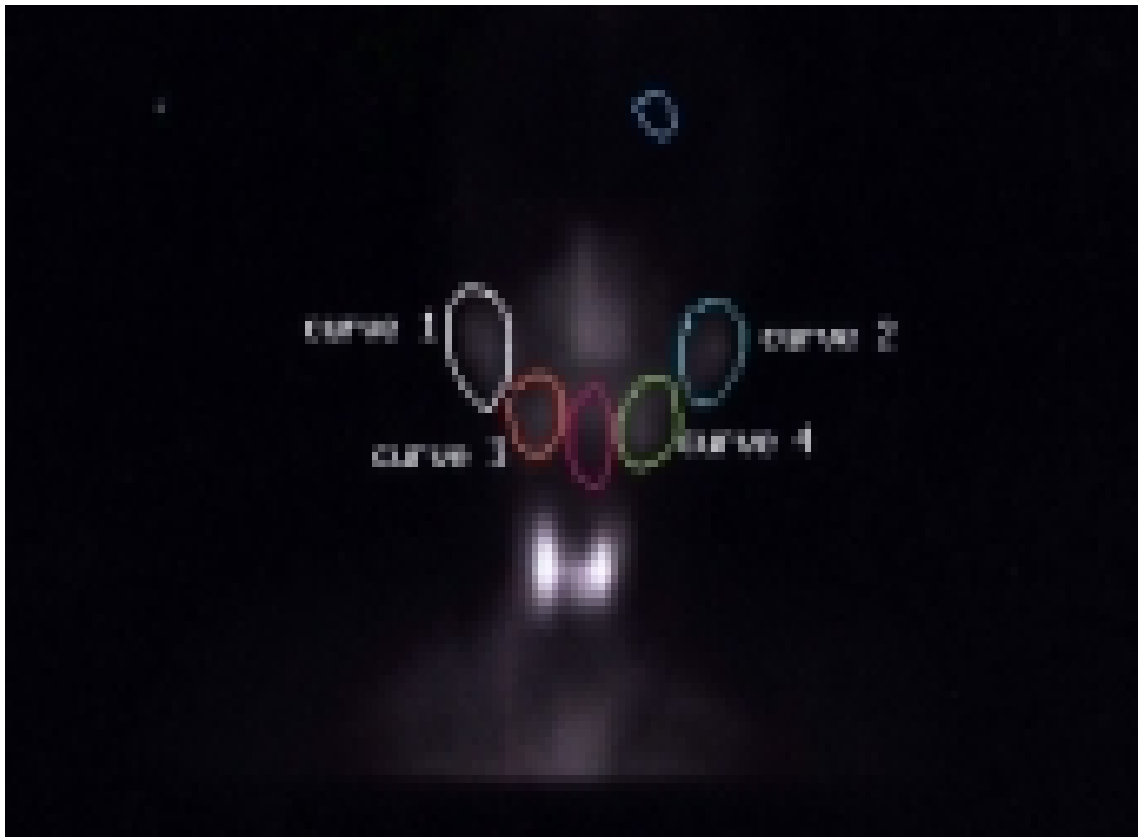
pljuvačne žlezde

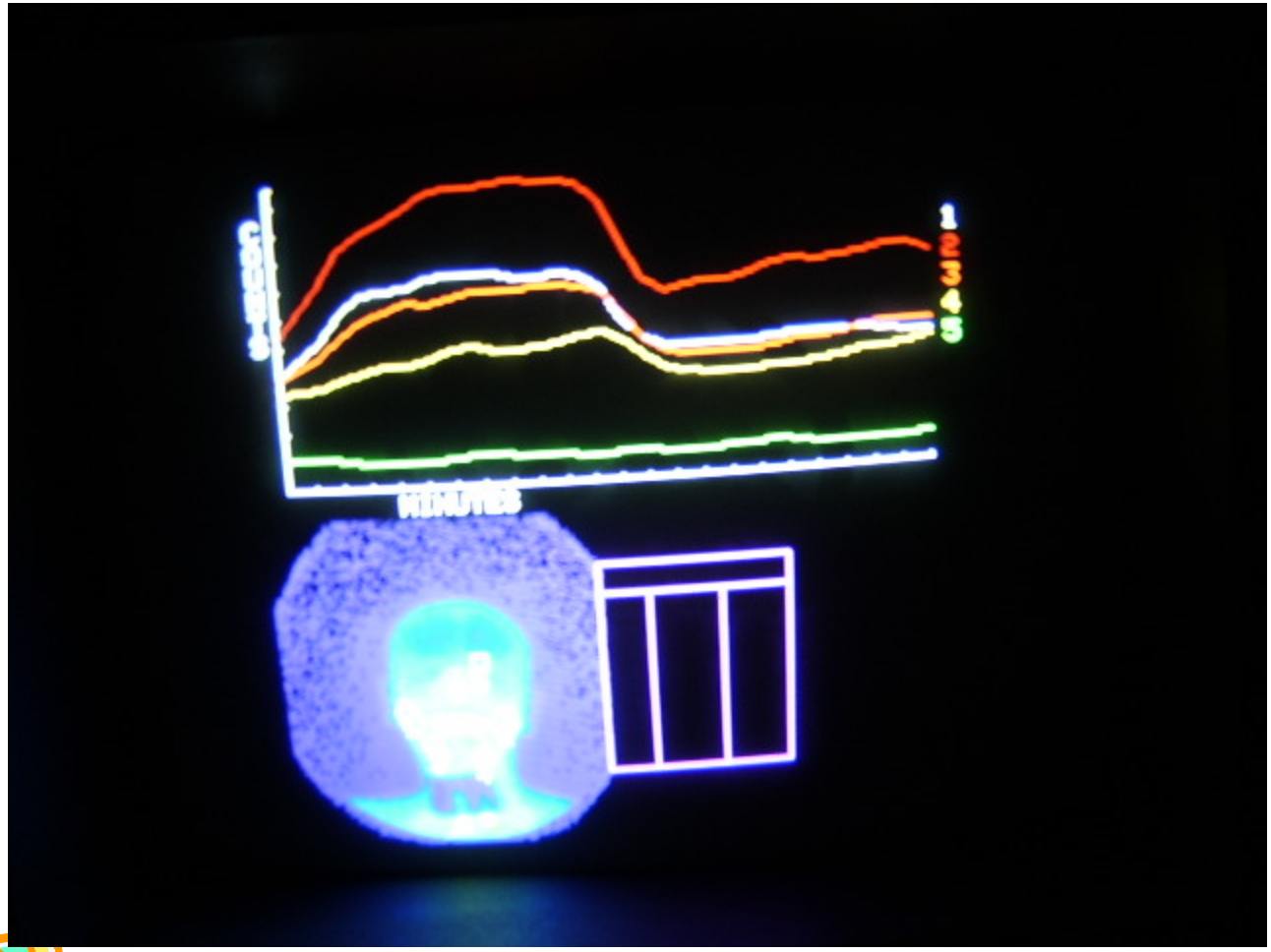
protokol dinamske studije

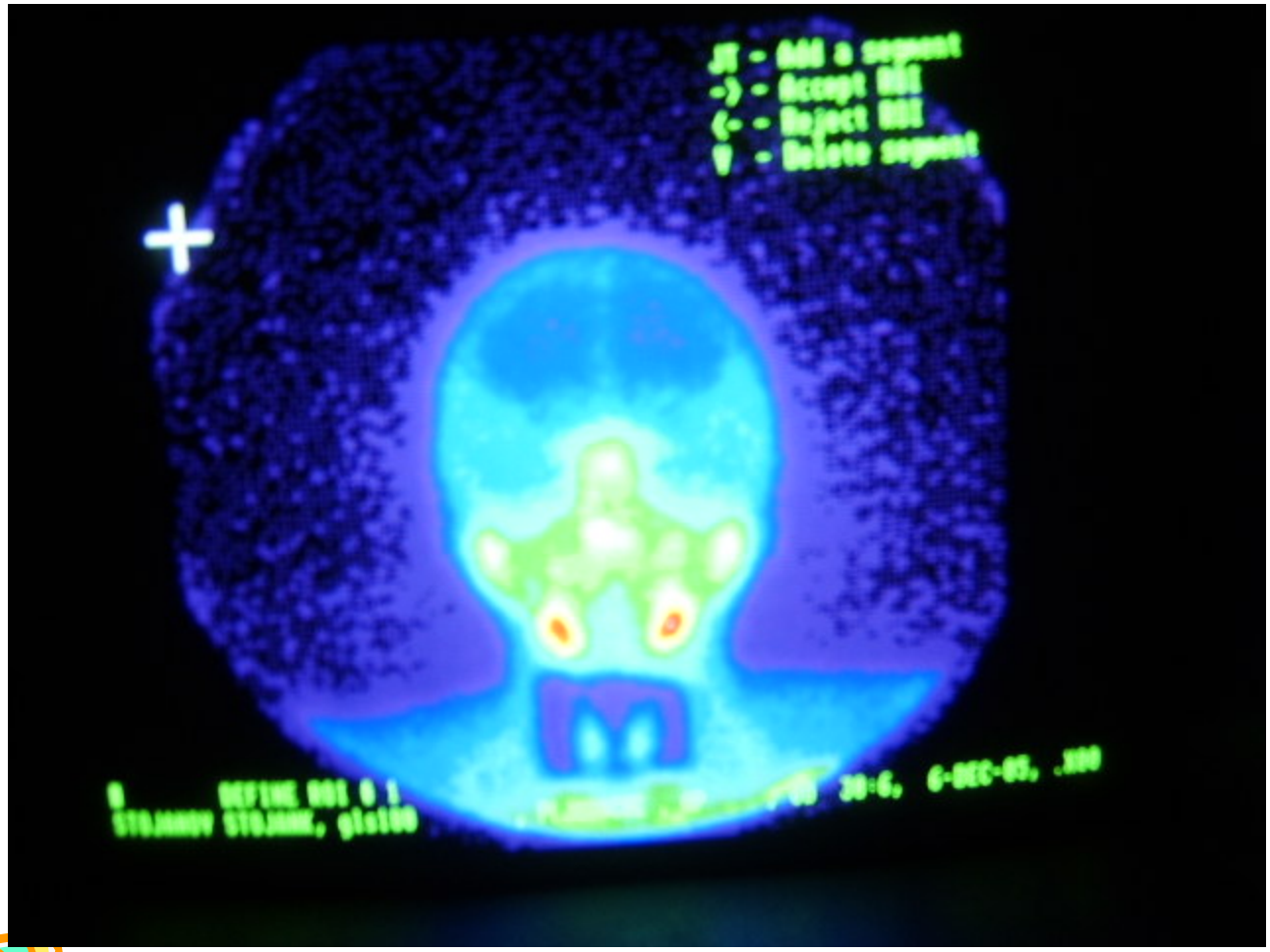
- Tc $^{99m}O_4$ i.v.ubrizgavanje zatim akvizicija 20 jednominutnih sličica
- Posle 10 minuta per os tabl.vitamina C (stimulacija salivacije)



sijaloscintigrafija: dinamska sc. u 1 i 5 minutu ; posle Carbex-a (limunska kiselina) vidljiva je povećana aktivnost u ustima; krive vreme /aktivnost podviličnih pljuvačnih žlezda znatno ispod krivih parotidnih žlezda


curve 1
curve 2
curve 3
curve 4




JE - Add a segment
-> - Accept BDI
<- - Reject BDI
V - Delete segment


- Delete segment

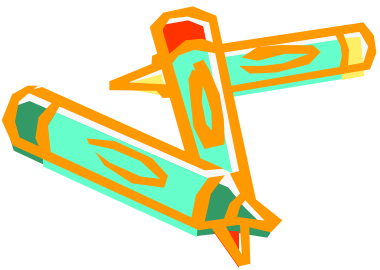
jednjak

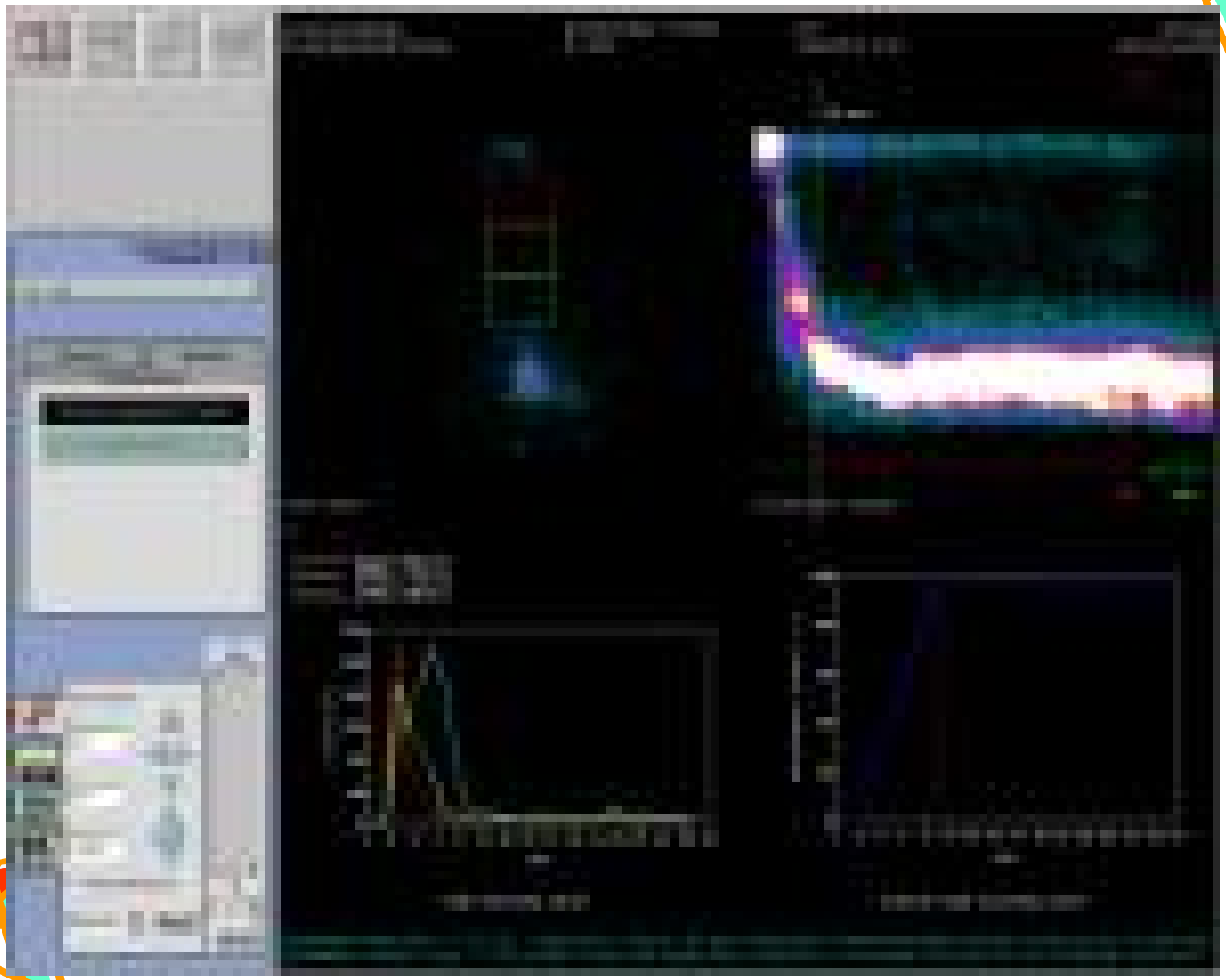
- ispitivanje motorne funkcije~dinamska studija
- Protokol metode

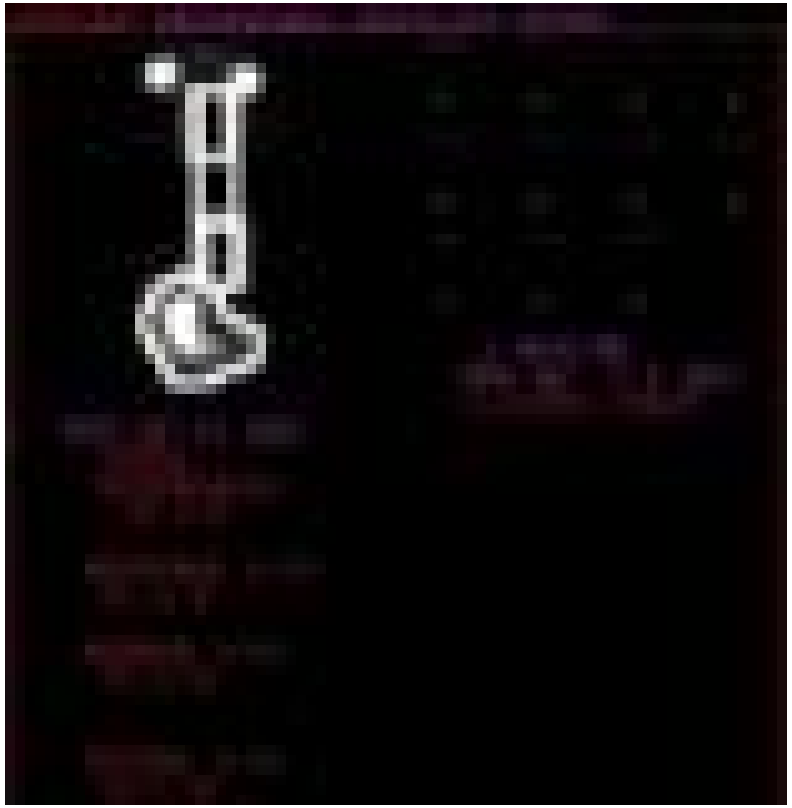
Pacijent proguta Tc99m S koloida sa 15ml tečnosti

Snimaju se po 1 sl u sec u prvih 15 sec a potom na 15 sec.do kraja 10. minuta

- Rezultati se prikazuju dinamskim krivama i scintigramima

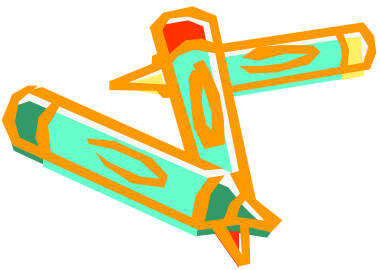


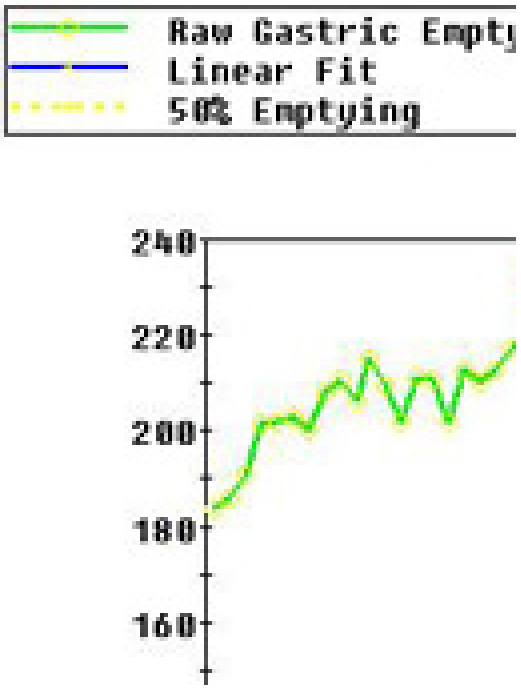




želudac

- Brzina pražnjenja želuca
- Radiofarmaci koji se ne apsorbuju preko sluznice digestivnog sistema
- dve komponente obroka
- čvrsta: pileća jetra, jaje ili sintetički meterijl sa 37MBq Tc^{99m}
- tečna: 300 ml rastvora In ^{113} DTPA
- **Brzina opadanja inicijalne aktivnosti u želucu**



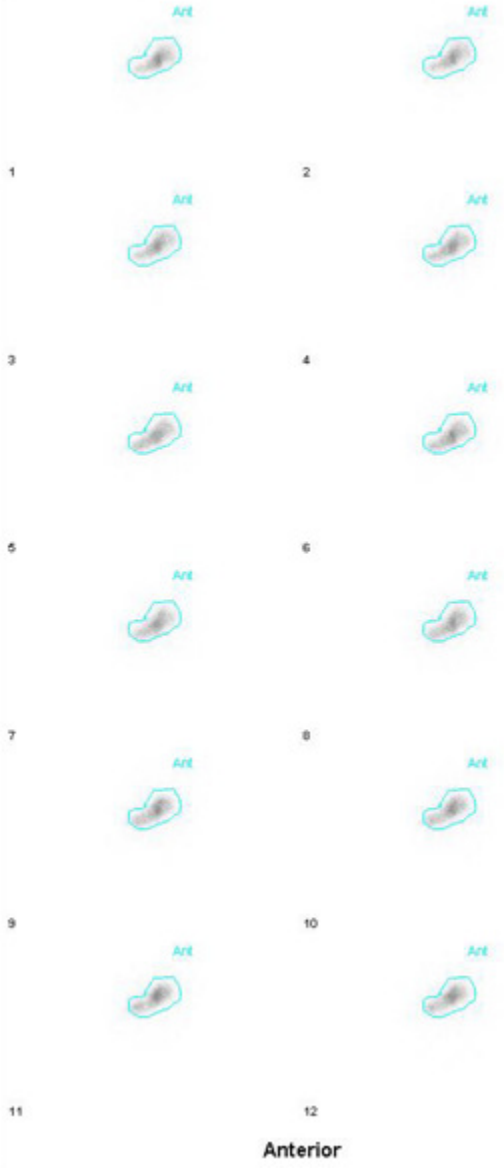

Raw Gastric Empty
Linear Fit
50% Emptying
240
220
200
180
160

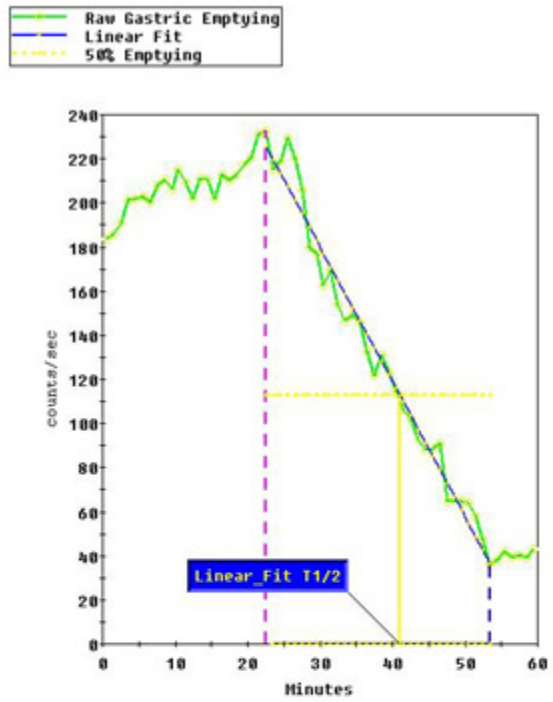
Gastric Emptying
Clinical Summary

****
****

GASTRIC
07-Oct-03 8:22

Norfolk Nuclear Med





Linear Fit T 1/2 (min) = 18.49
Linear Fit Slope (%/min) = 2.70
Raw Data T 1/2 (min) = 17.79

Tc_99m
** Anterior Only

Frame/Time		Fit / Raw % Empty		Kcounts**
1	22.5	0	0	0.233
4	25.5	8	2	0.229
7	28.5	16	23	0.180
10	31.5	24	27	0.169
13	34.5	32	36	0.149
16	37.5	41	48	0.122
19	40.5	49	51	0.115
22	43.5	57	60	0.093
25	46.5	65	61	0.091
28	49.5	73	72	0.065

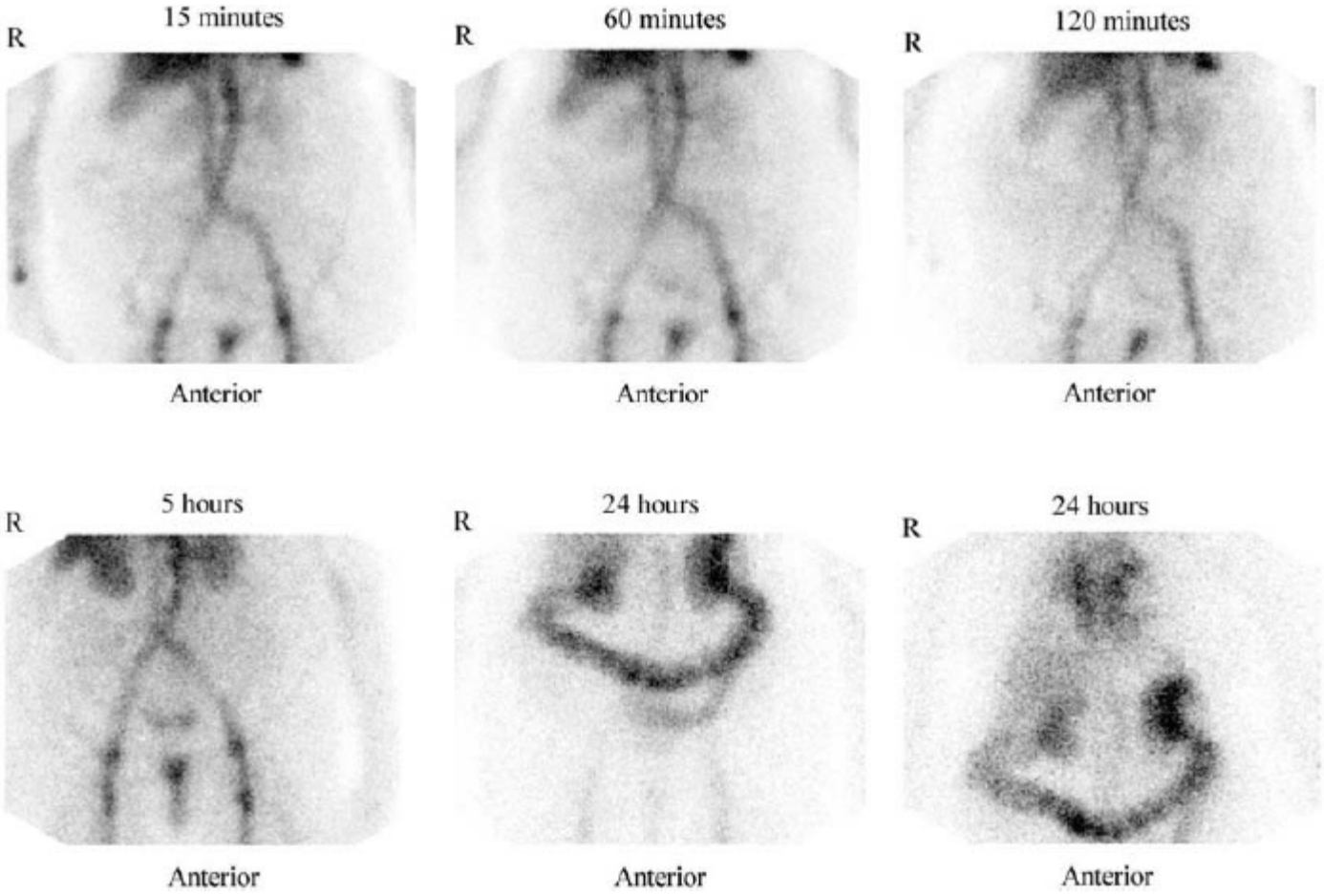
intestinumsko krvarenje

- mesto
- vrsta
- intenzitet krvarenja zbog

ulceracija, inflamacija, tumora

Radiofarmaci:

- Tc^{99m} S koloid
- Er-Tc^{99m}
- Tc pertehnetat
- dinamske(perfuzione) studije i odložene statike
- **fokusno nakupljanje radioaktivnosti**

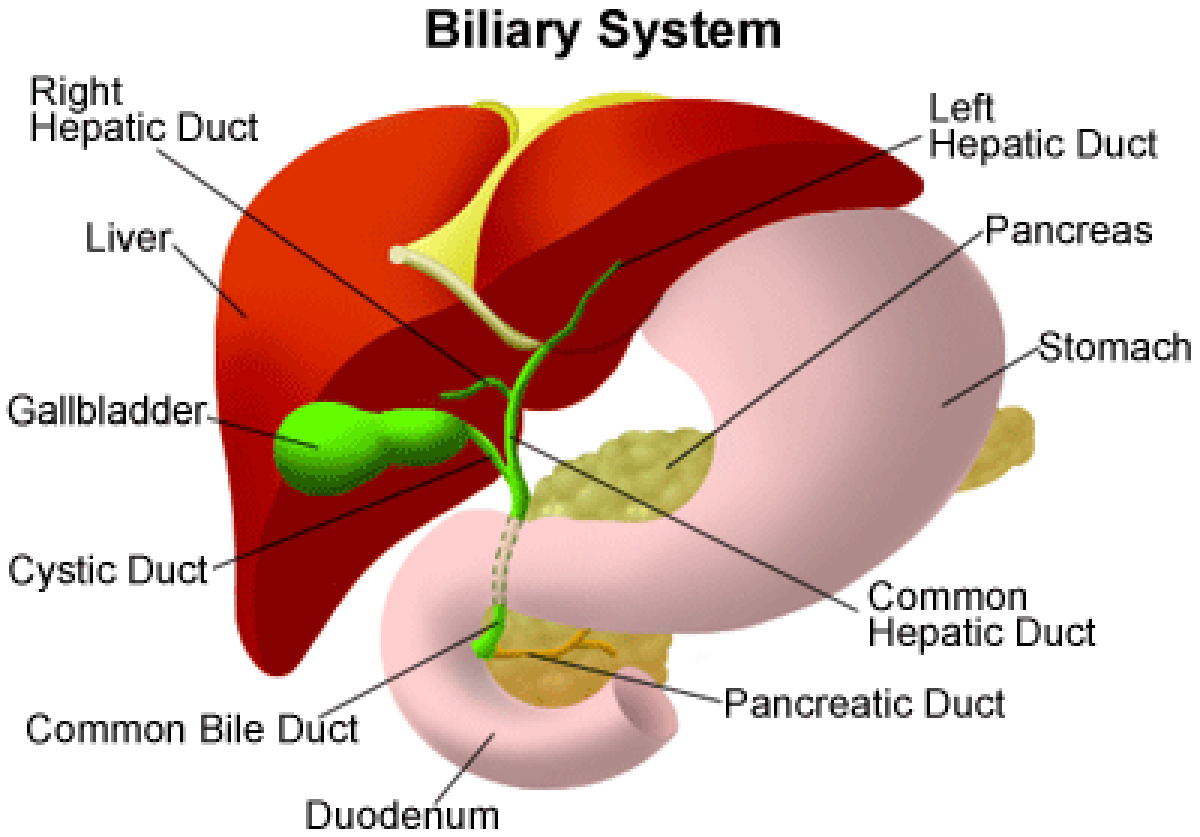


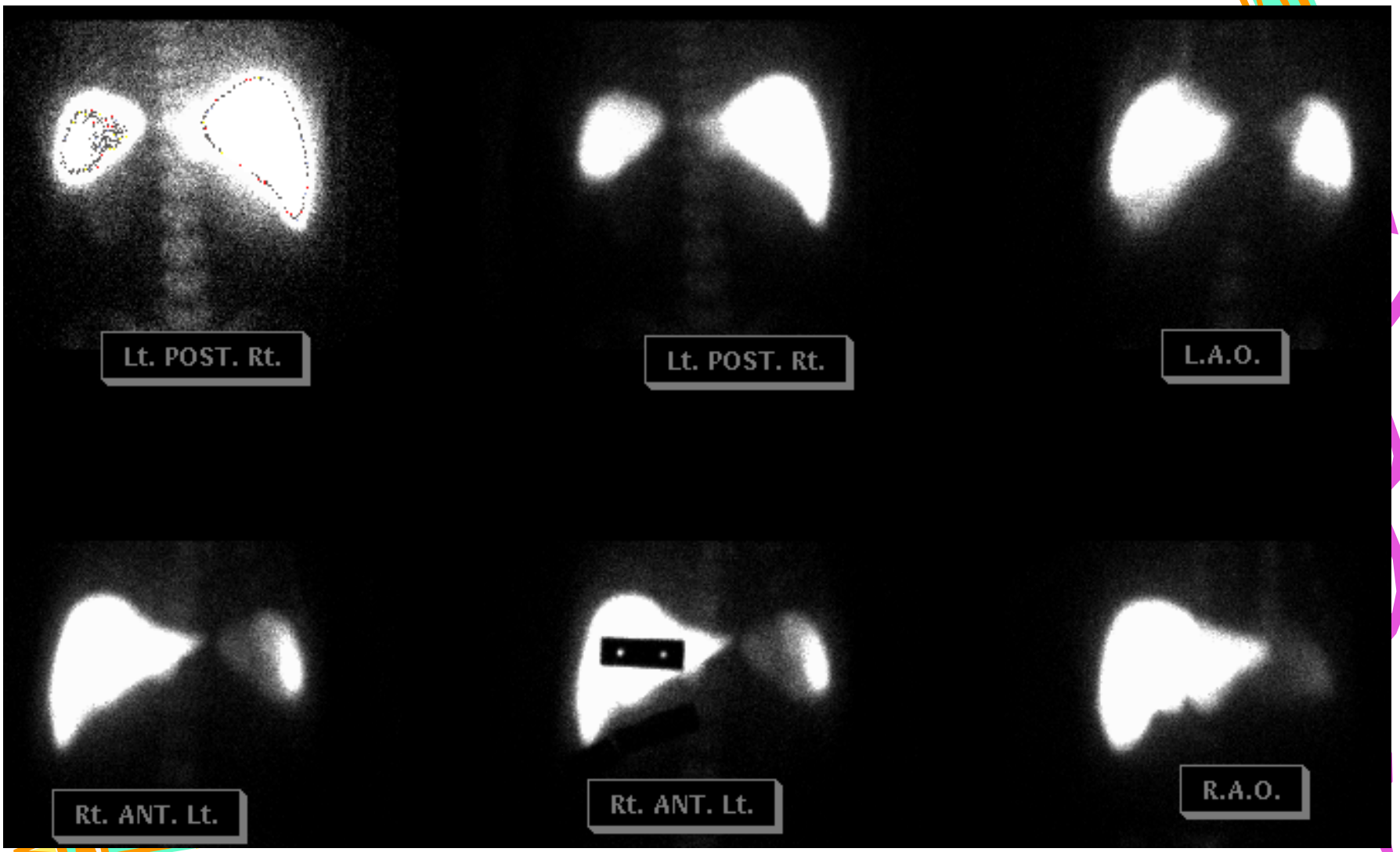
Tc99m obeleženi Er: intermitentno GIT krvarenje vidljivo u kolonu: moguće iz proksimalnih partija tankog creva ili cekuma

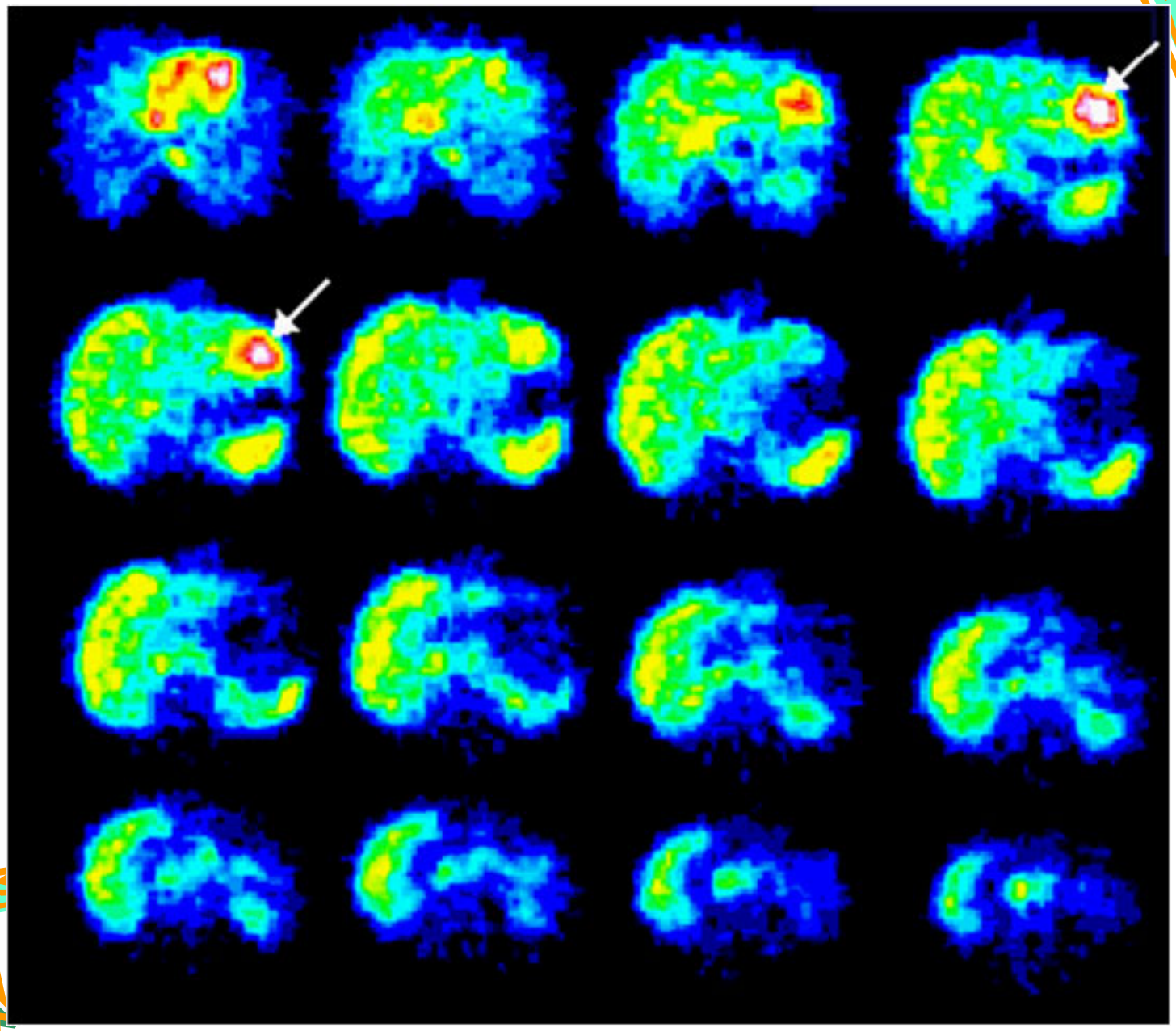
Jetra i slezina

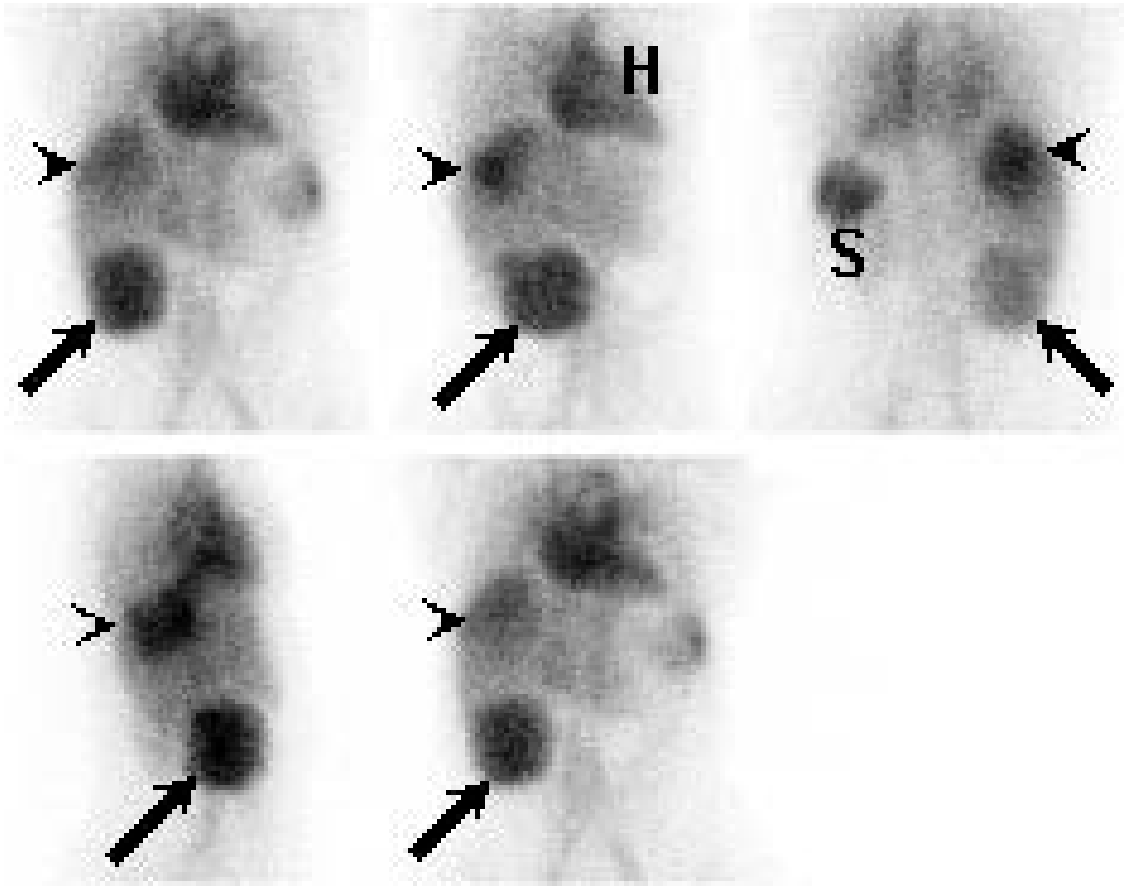
- Tc 99m S koloid
- Tc 99m Sn koloid (RES)
- Tc 99m Er(krvni pool)
- Tc 99m HIDA (derivati iminodisirćetne kiseline)

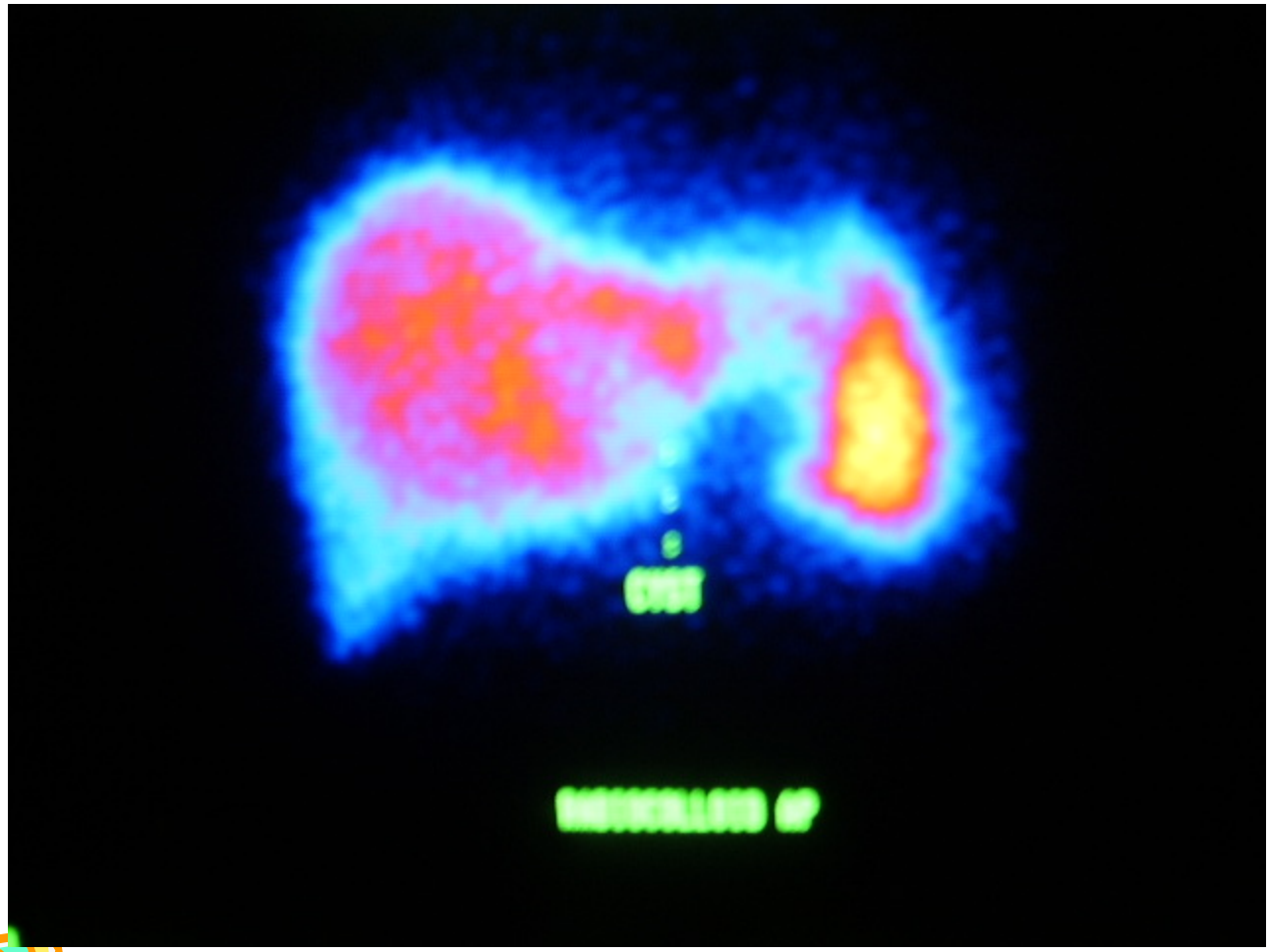
- ***Indikacije za sc***
- akututni holecistitis
- Diff dg icterusa
- Tu bilijarnog sistema
- Kongenitalne anomalije
- Postoperativno praćenje bill. sistema
- Veličina,oblik položaj slezine u hematološkim, infektivnim bolestima, vaskularnoj hipertenziji, kod neoplazmi cističnih promena, aplazije, akcesorne slezine
- Cista hematom,hemangiom jetre

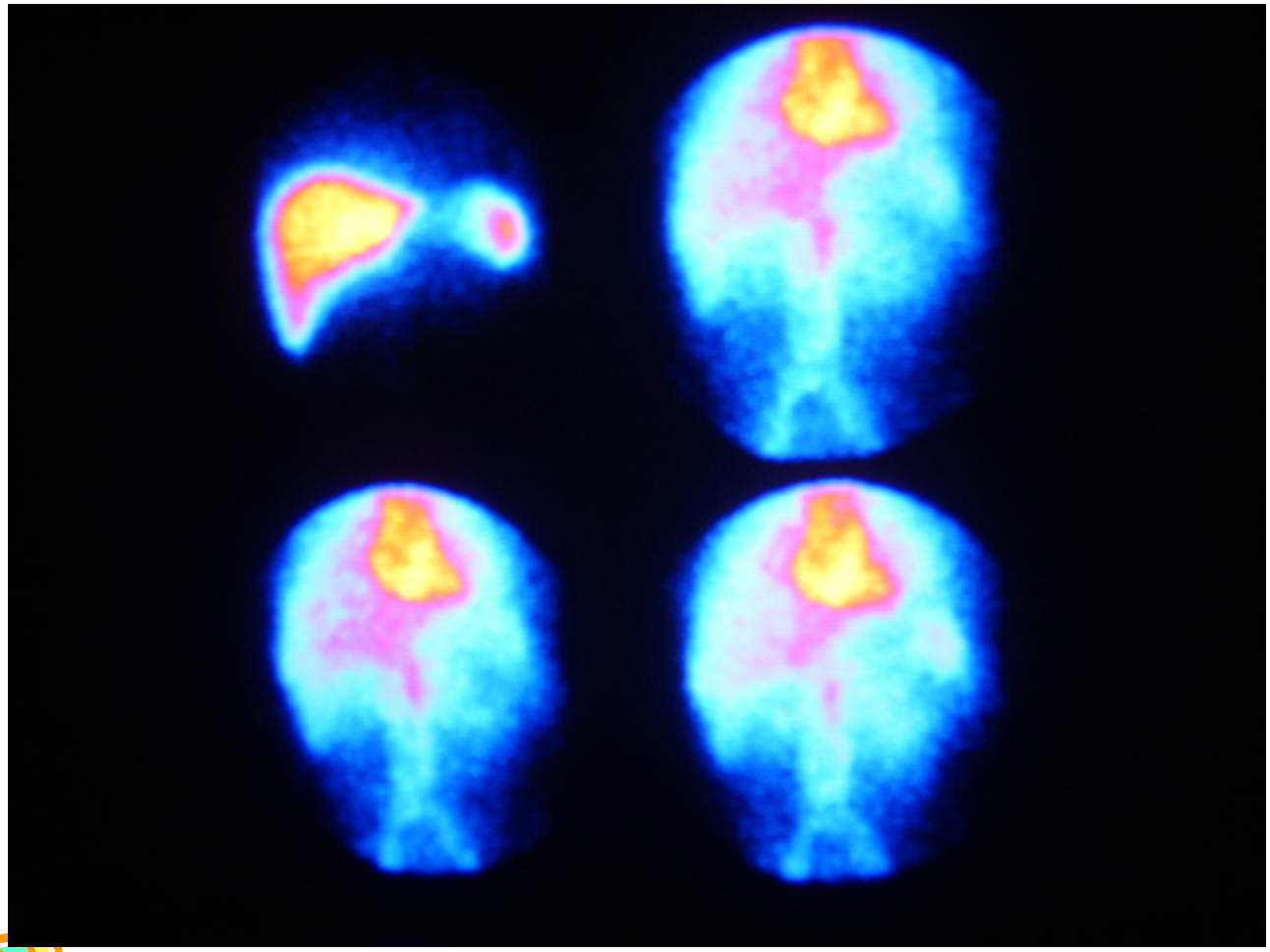

Biliary System
Right Hepatic Duct
Left Hepatic Duct
Liver
Pancreas
Stomach
Gallbladder
Cystic Duct
Common Hepatic Duct
Pancreatic Duct
Common Bile Duct
Duodenum

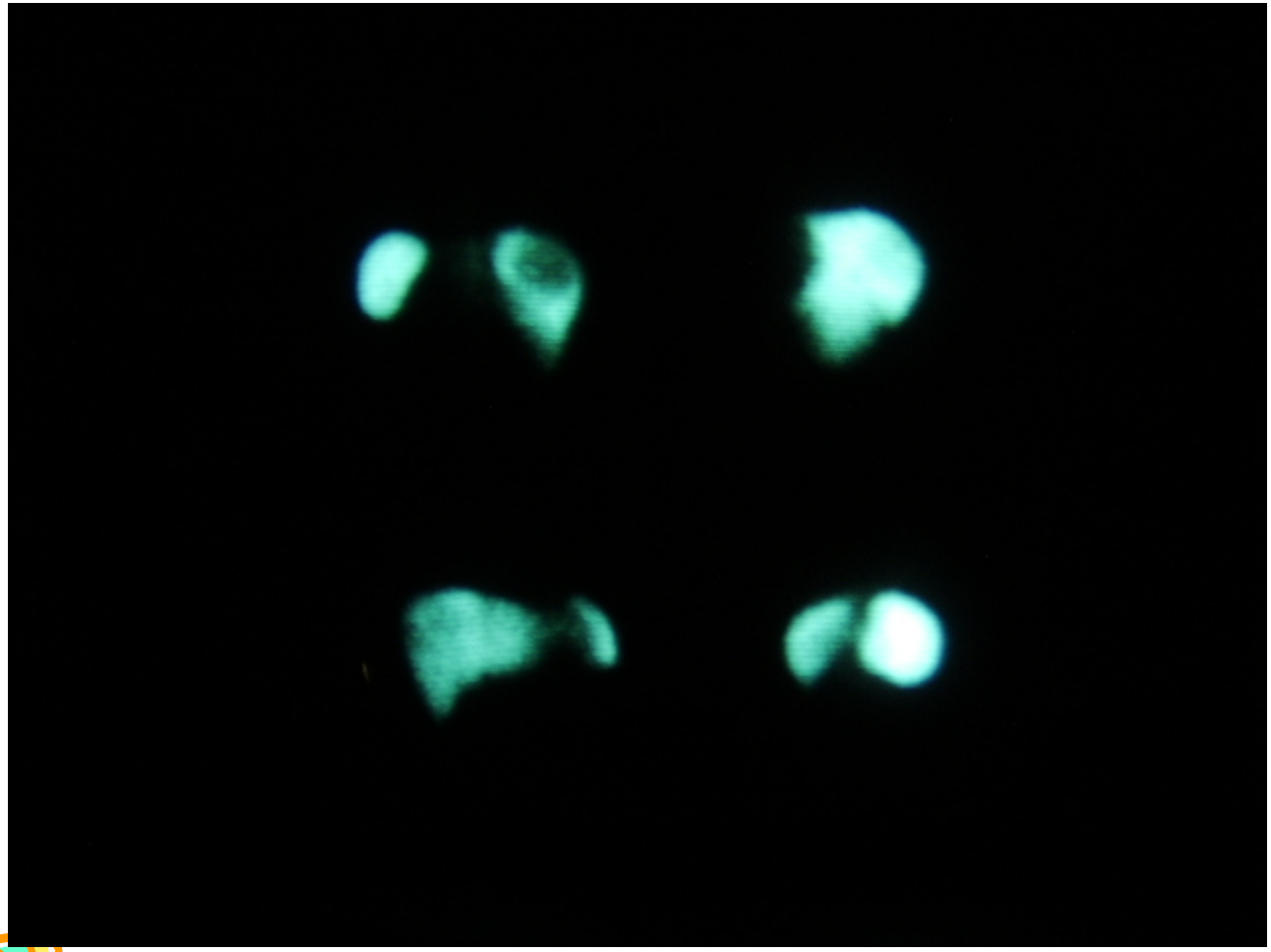

Lt. POST. Rt.
Lt. POST. Rt.
L.A.O.
Rt. ANT. Lt.
Rt. ANT. Lt.
R.A.O.

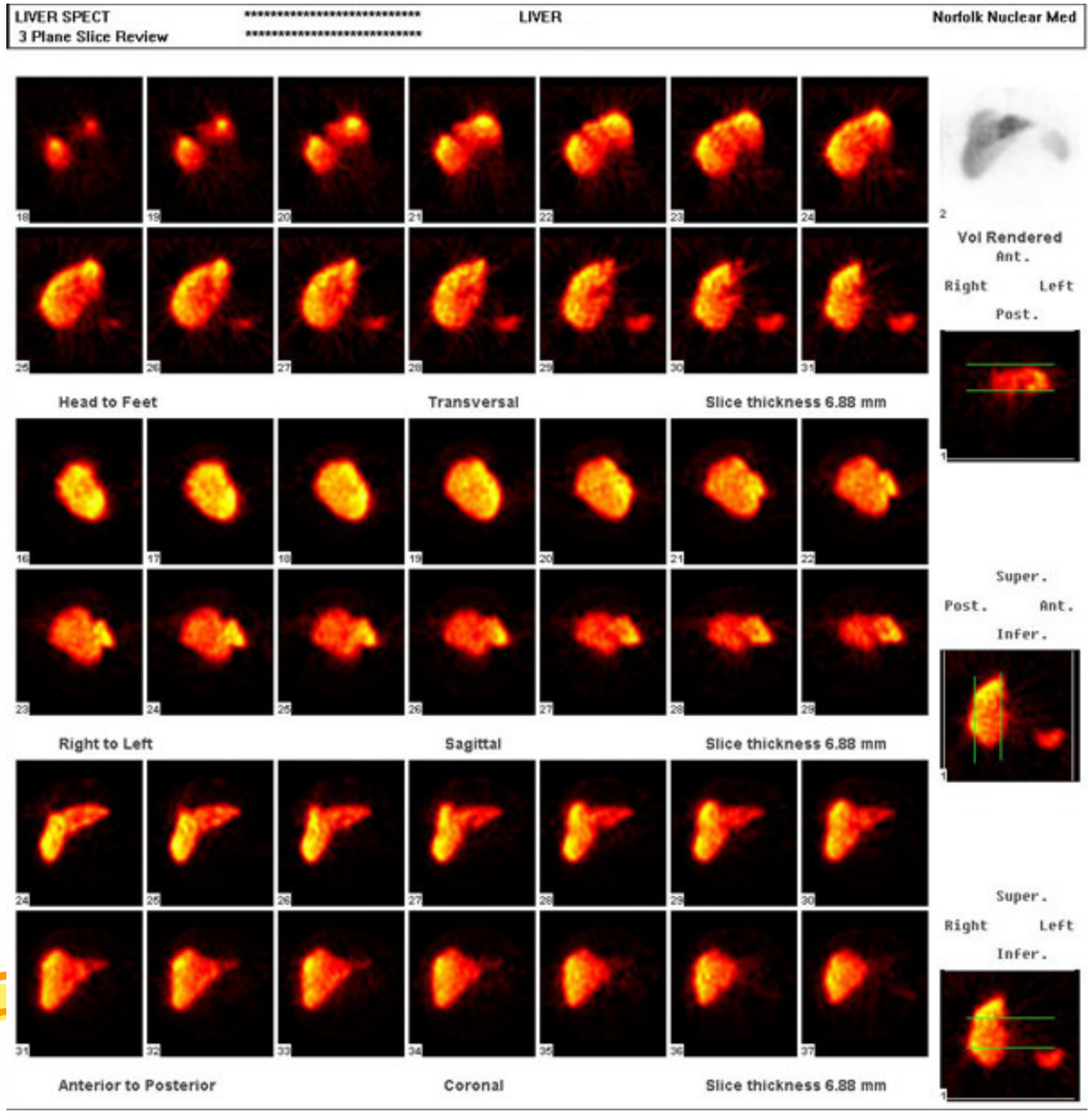


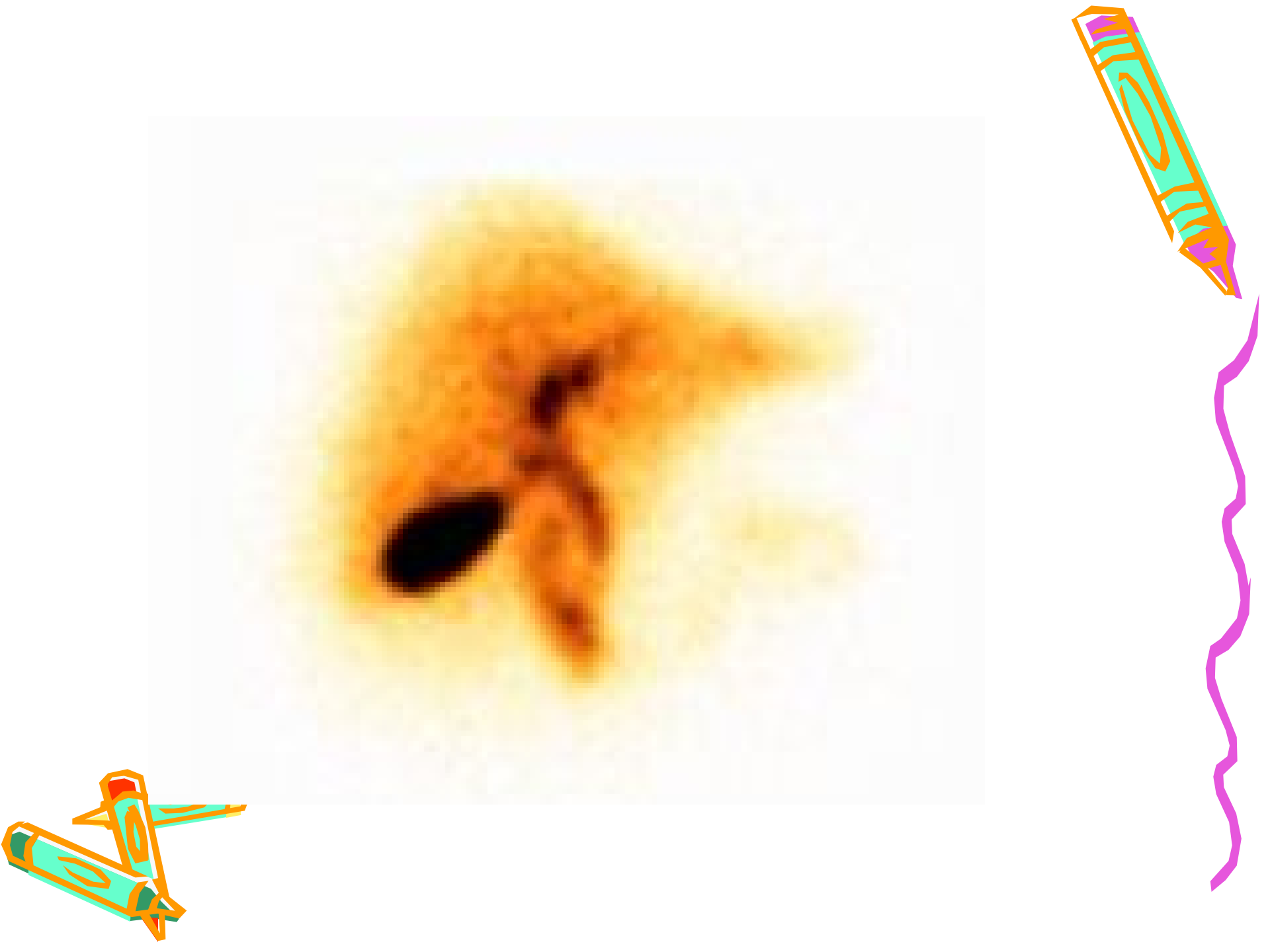

H
S

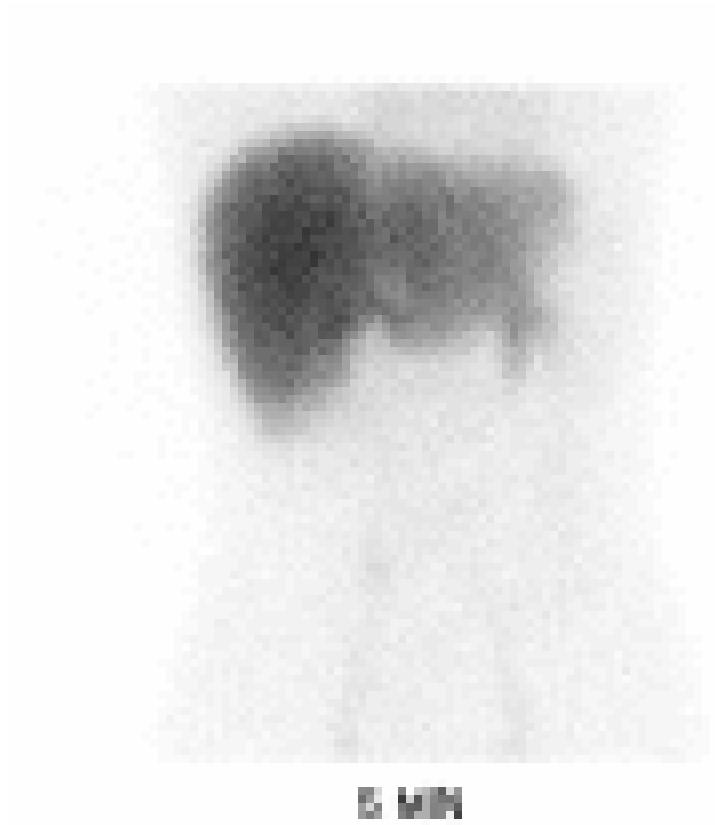




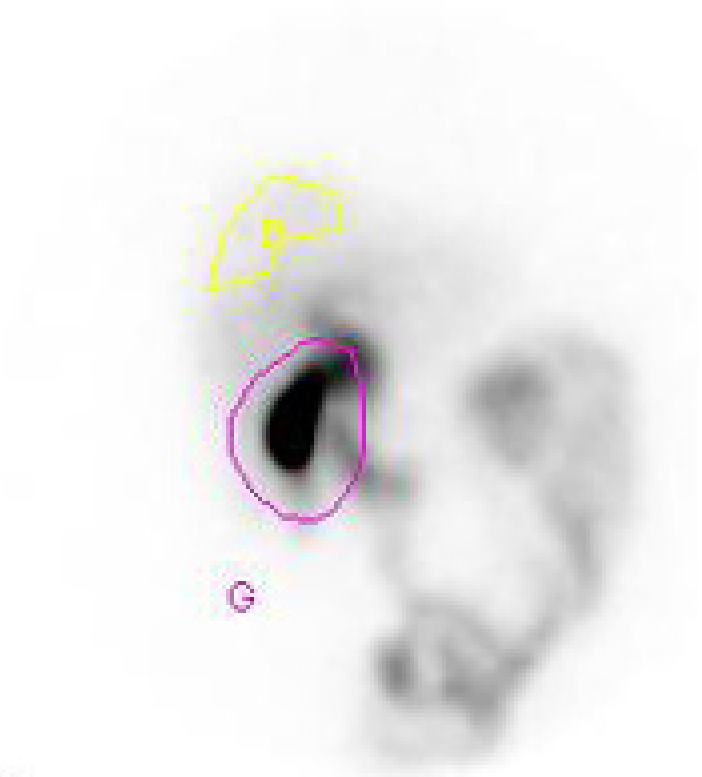



LIVER SPECT
3 Plane Slice Review
****
****
LIVER
Norfolk Nuclear Med
Head to Feet
Transversal
Slice thickness 6.88 mm
Right to Left
Sagittal
Slice thickness 6.88 mm
Anterior to Posterior
Coronal
Slice thickness 6.88 mm
Vol Rendered
Ant.
Right
Left
Post.
Super.
Post.
Ant.
Infer.
Super.
Right
Left
Infer.

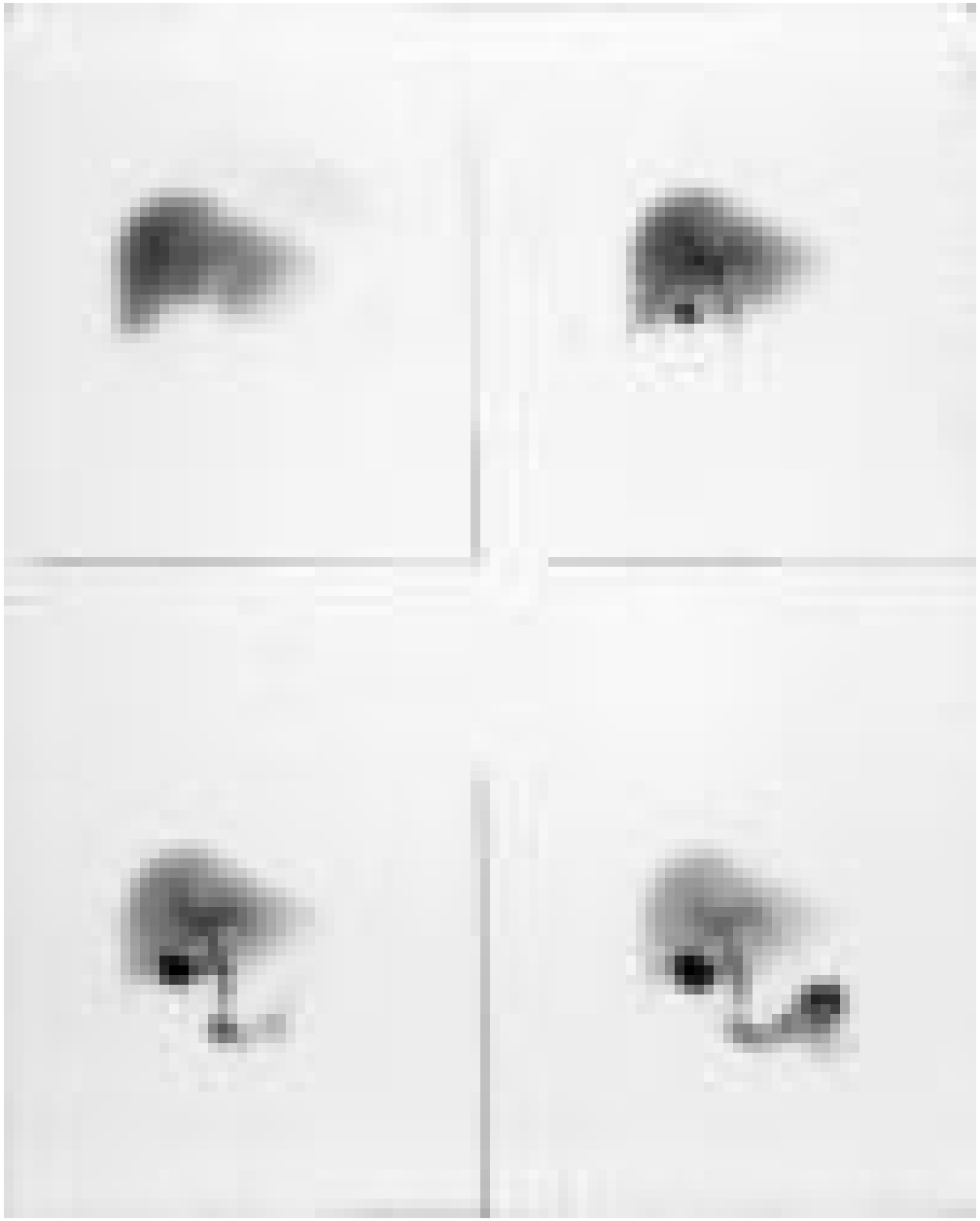


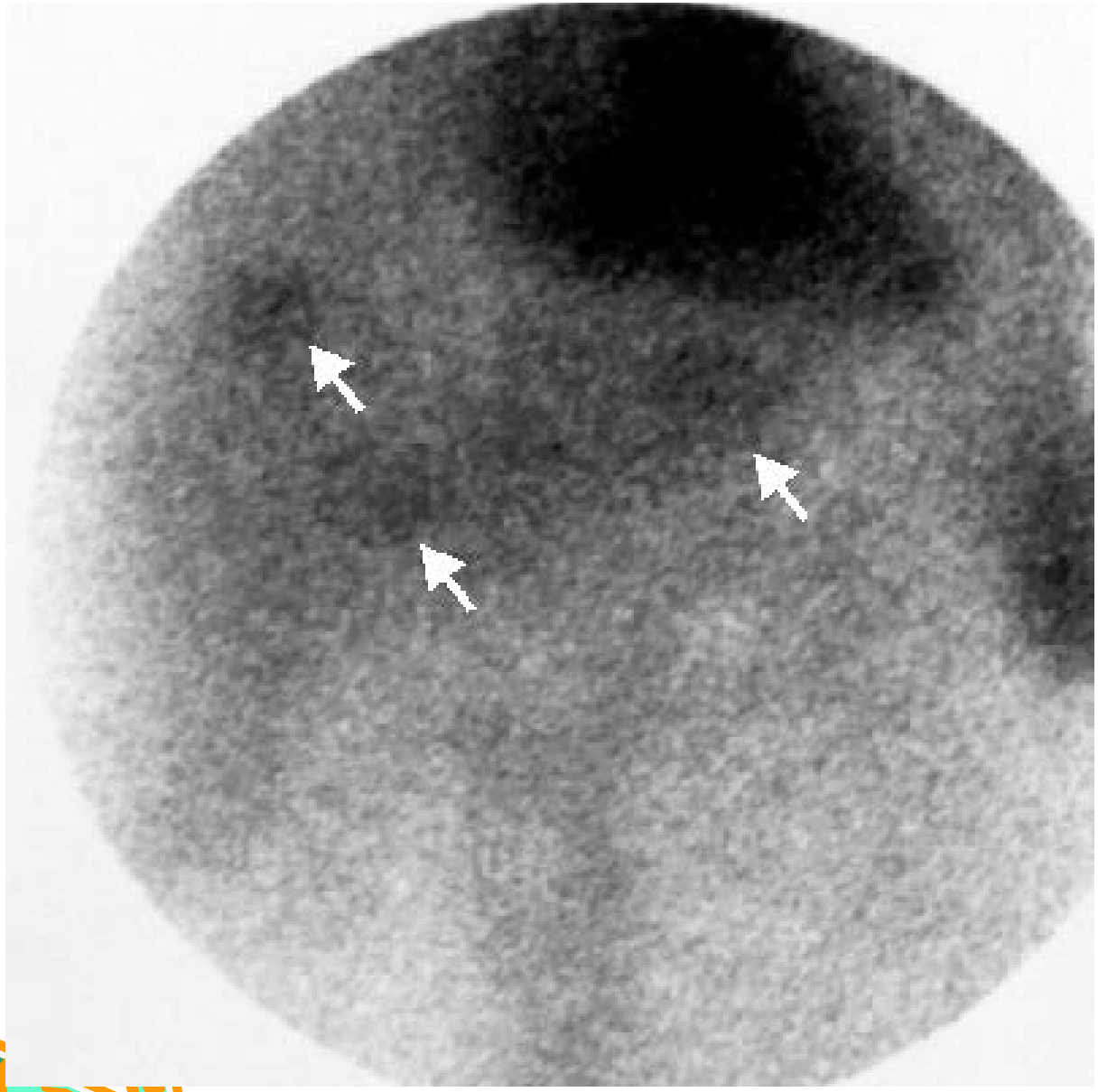


EF (@15 min)= 52 %



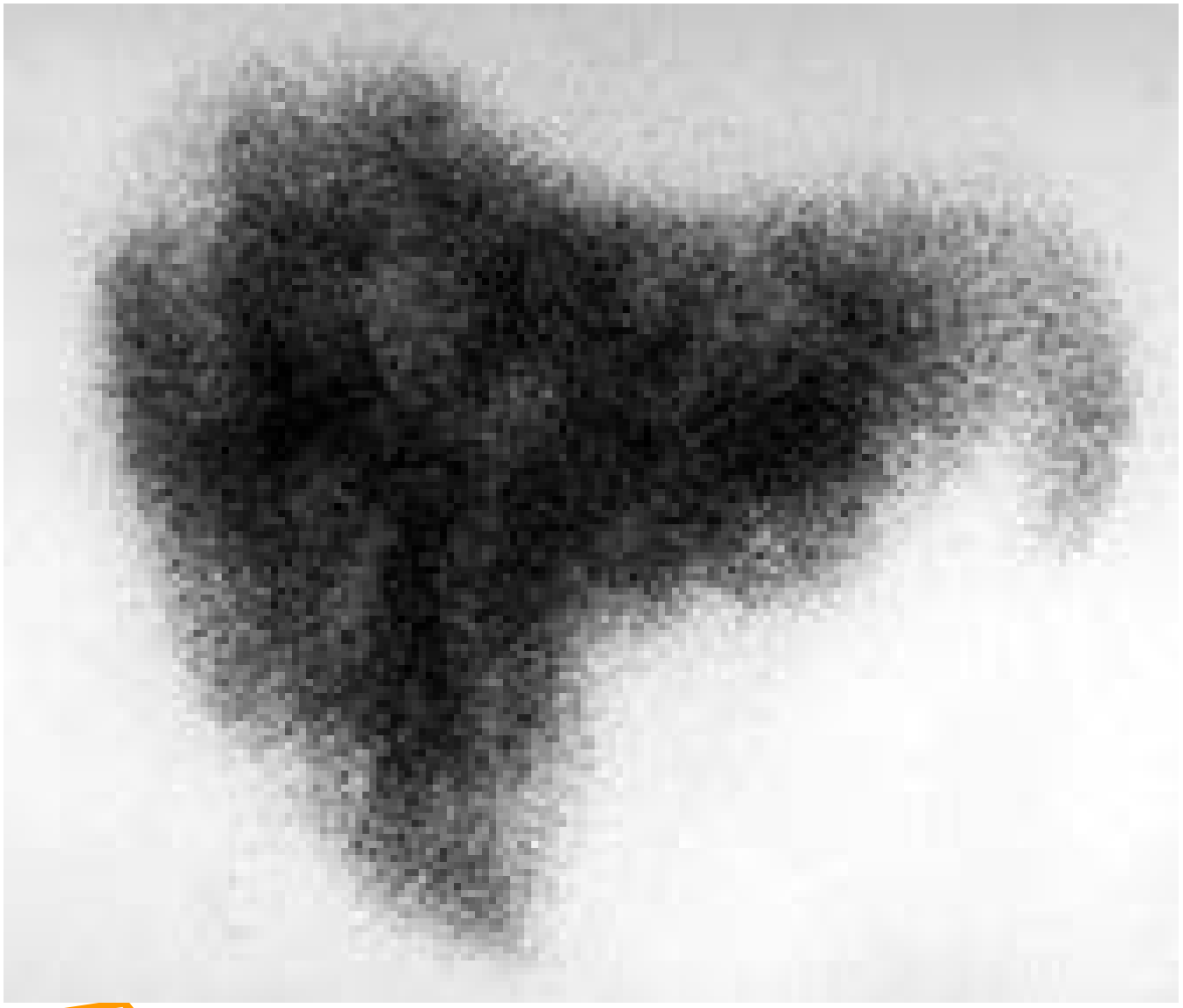
HIDA
RefImageT1



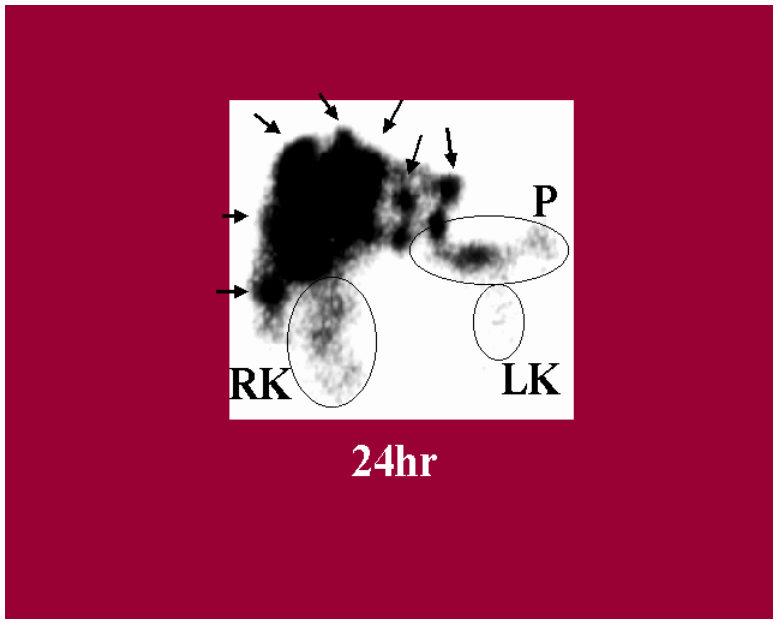


Blood pool Er Tc 99m
U jetri

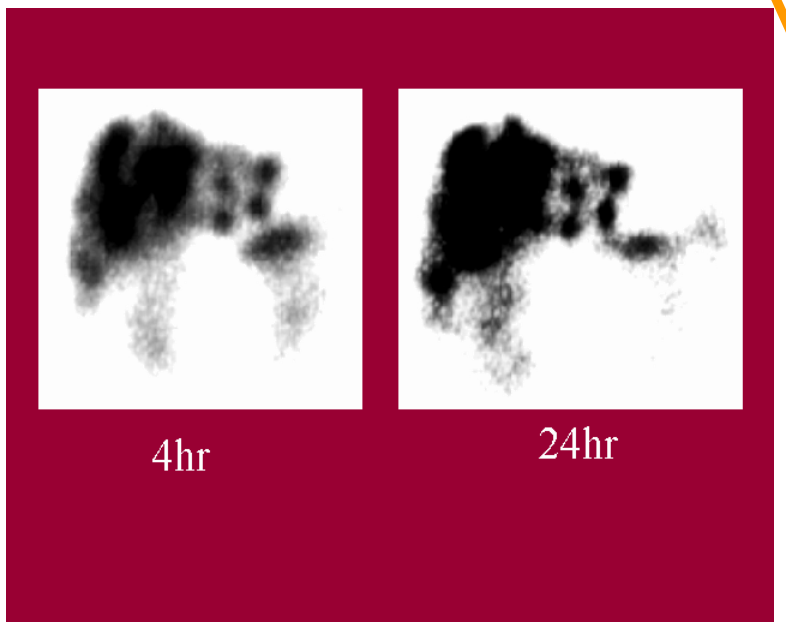




Metastaze medulskog Ca u jetri(hladna polja)



In 111 glukagonom



In113 octreotid

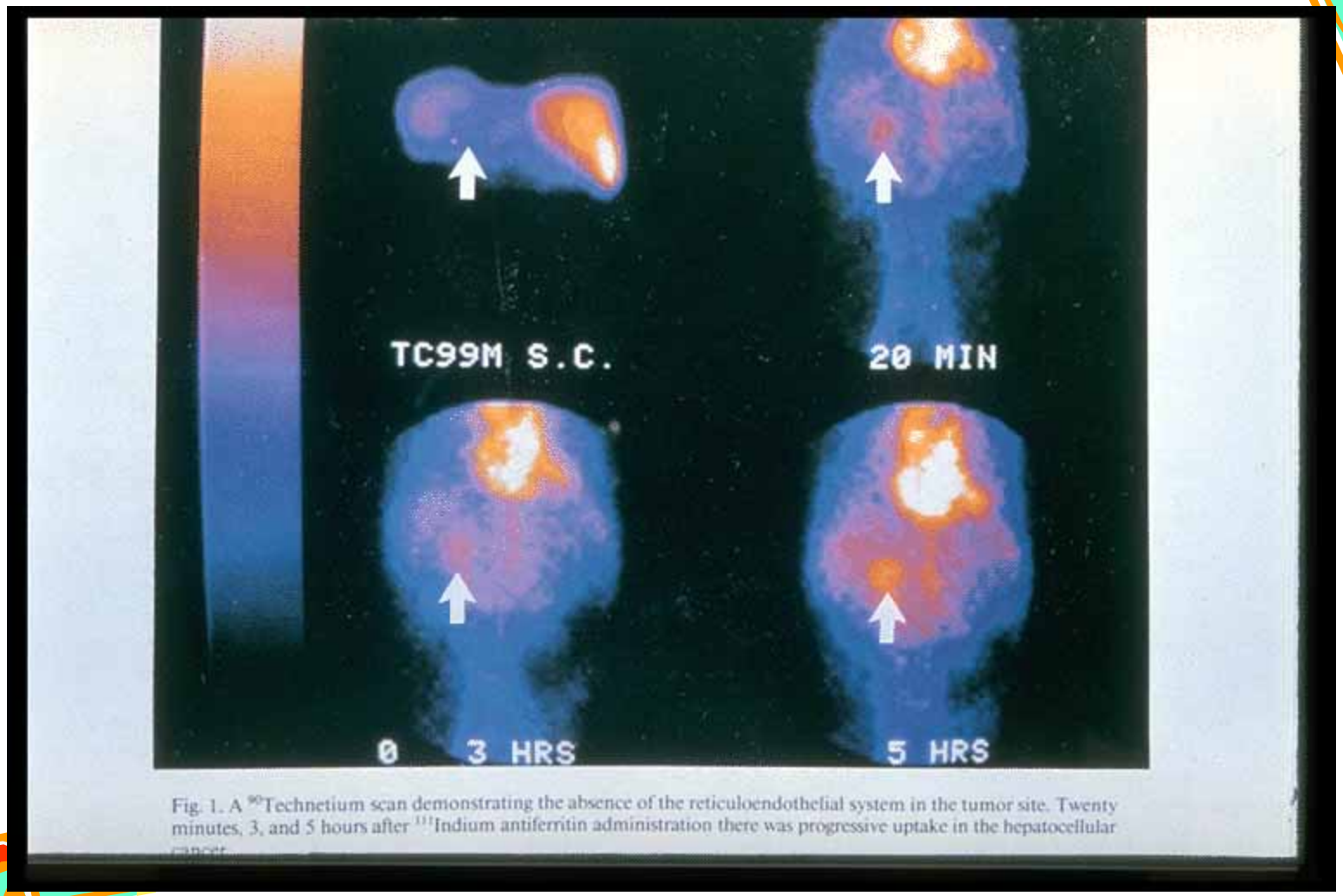
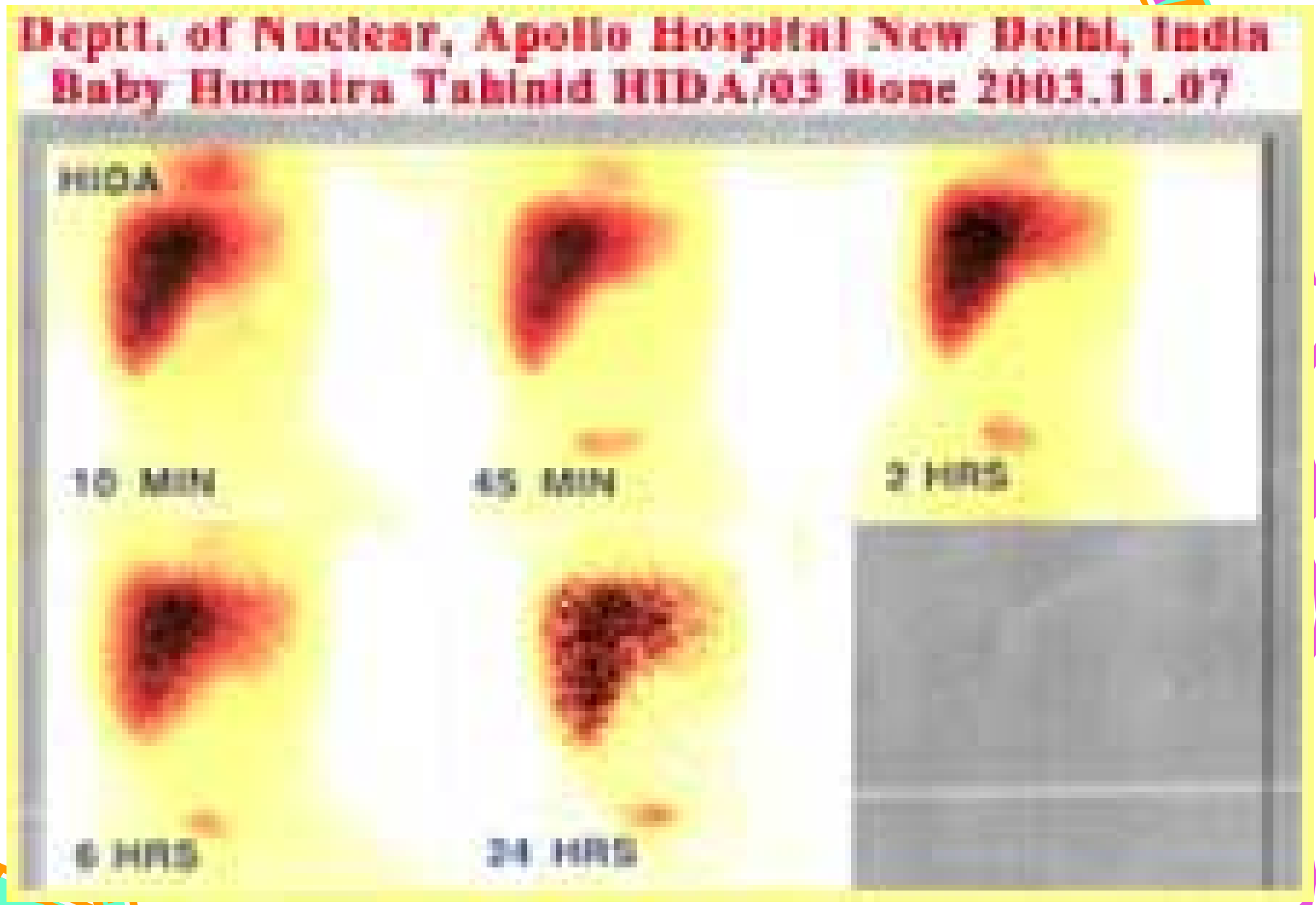
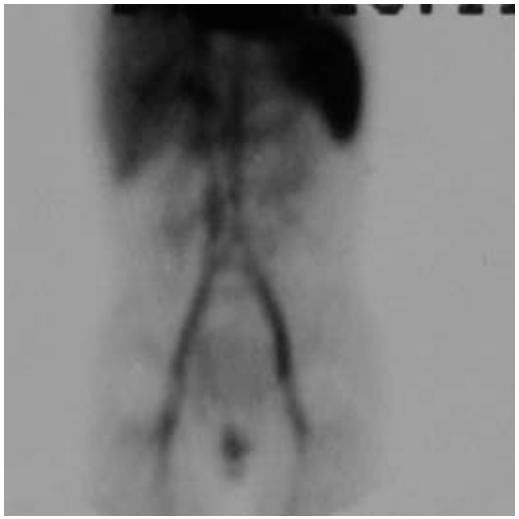


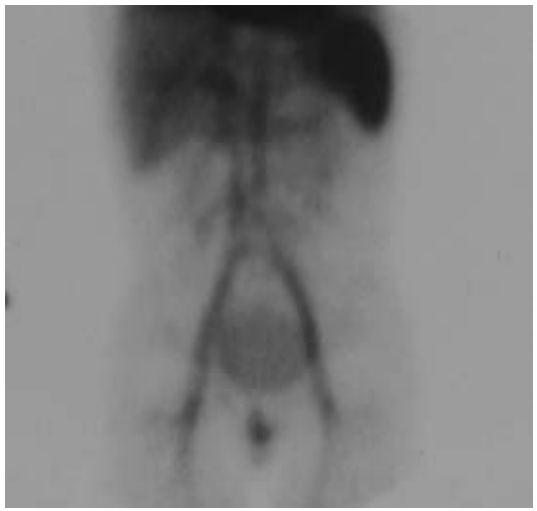
Fig. 1. A ^{99}Technetium scan demonstrating the absence of the reticuloendothelial system in the tumor site. Twenty minutes, 3, and 5 hours after ^{111}Indium antiferritin administration there was progressive uptake in the hepatocellular cancer.

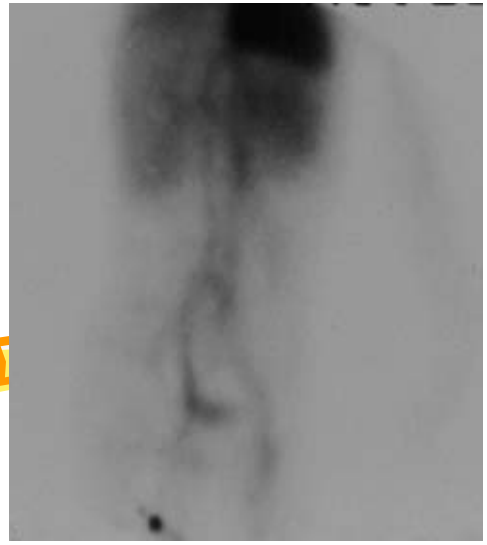


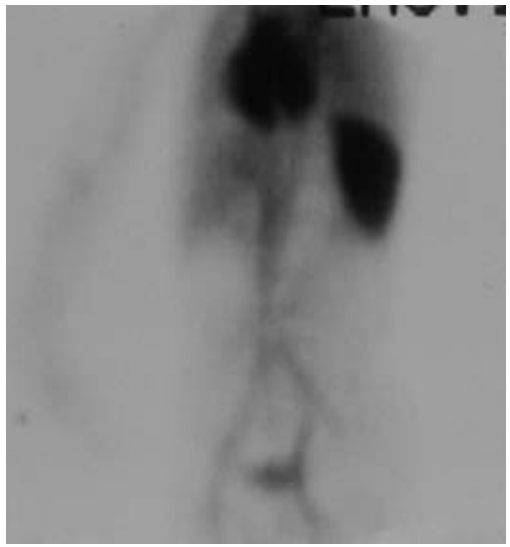
BILIJARNA ATREZIJA

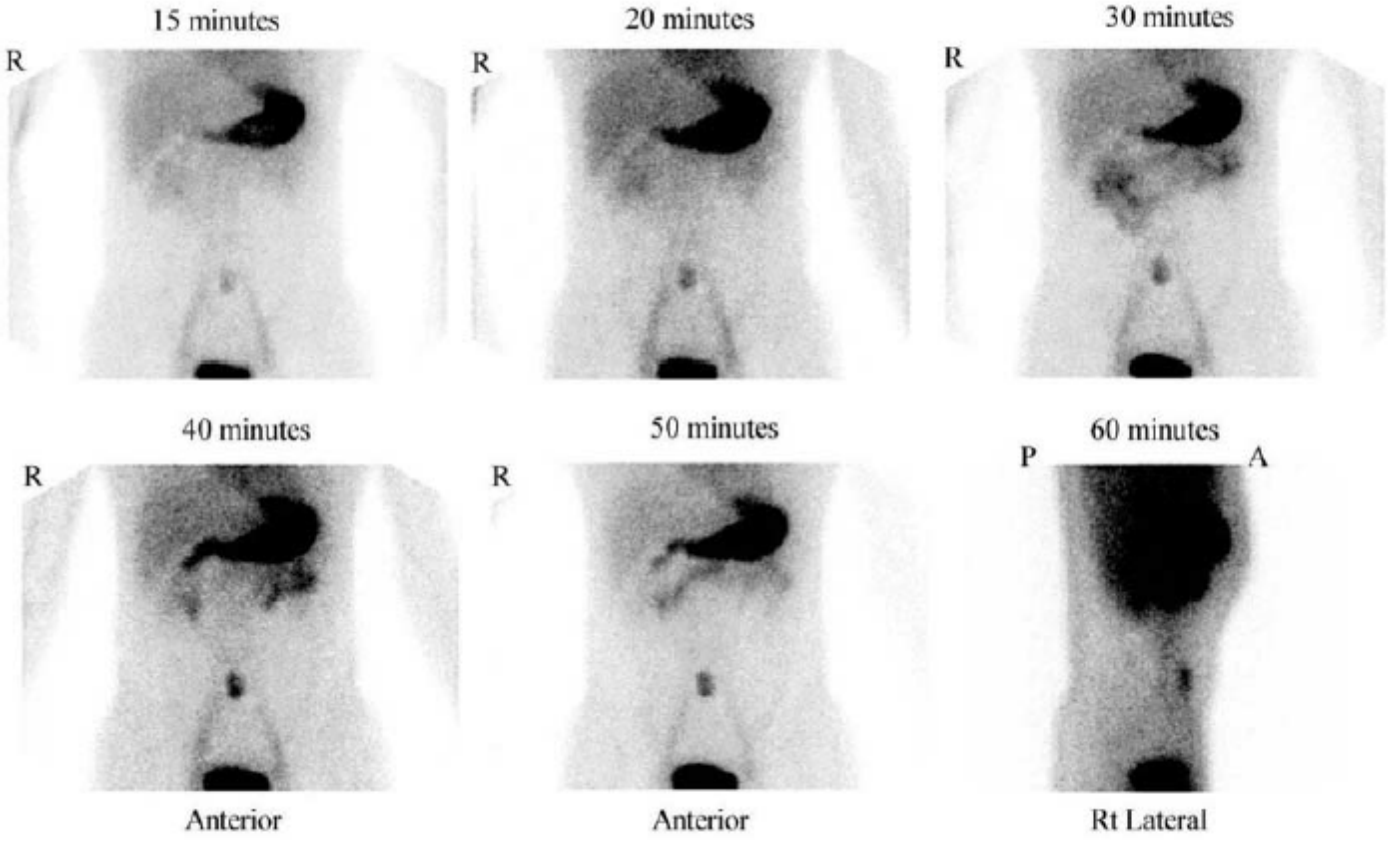
Mekelov divertikulum



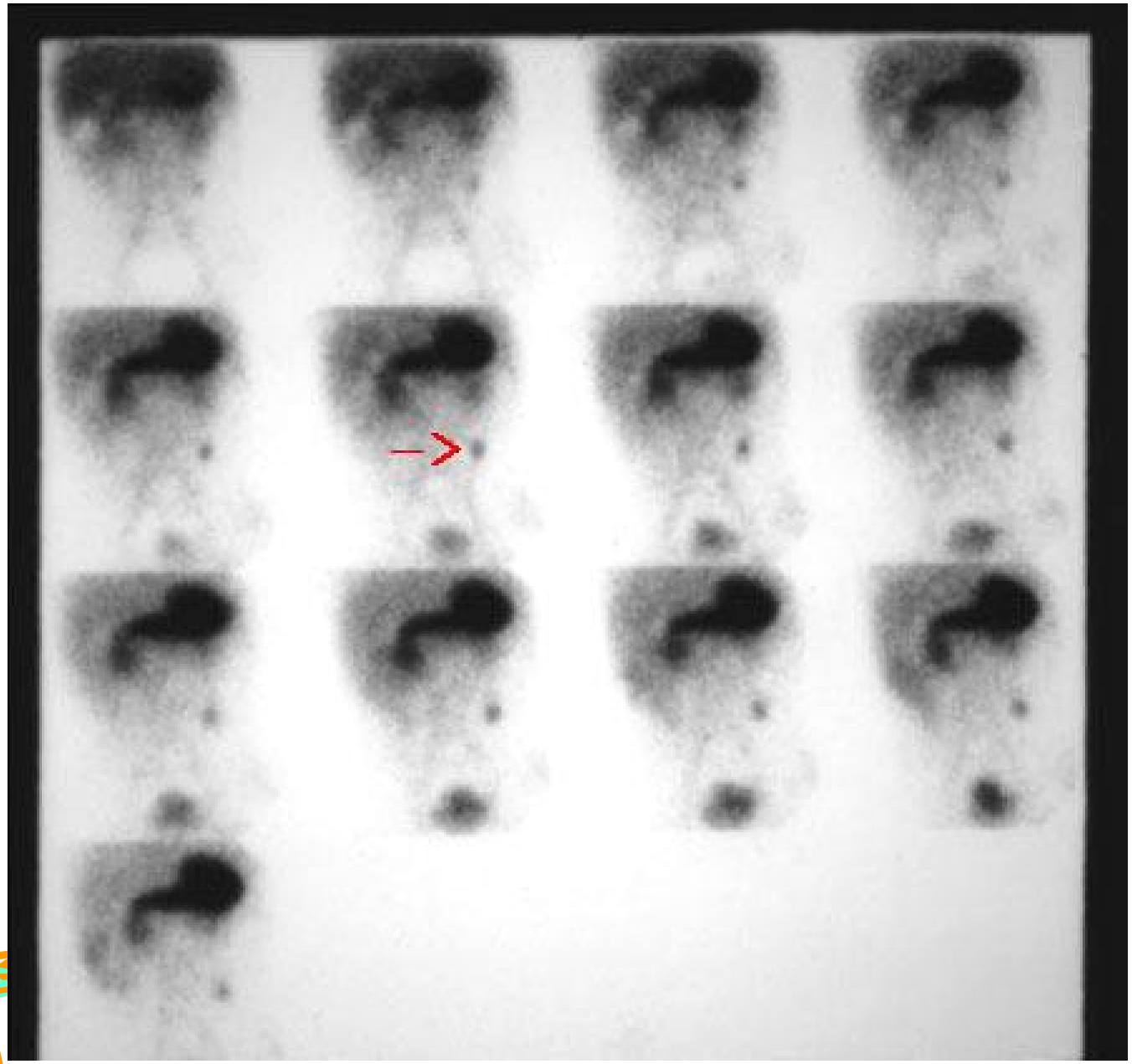


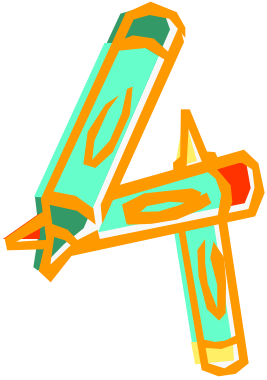


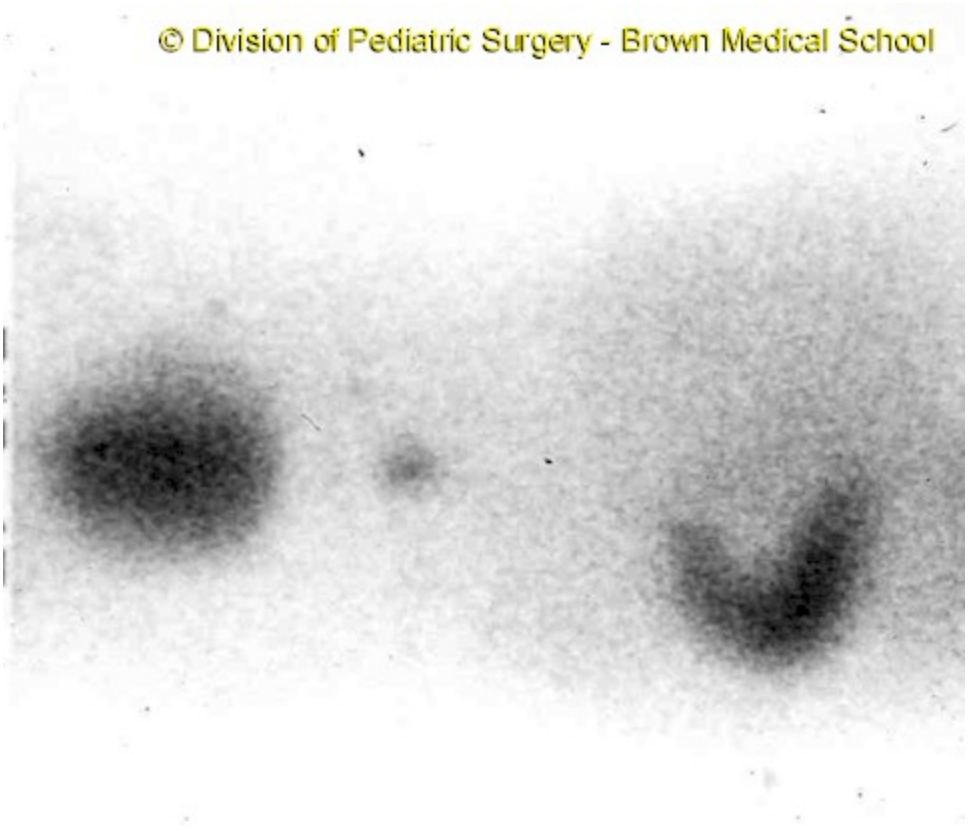


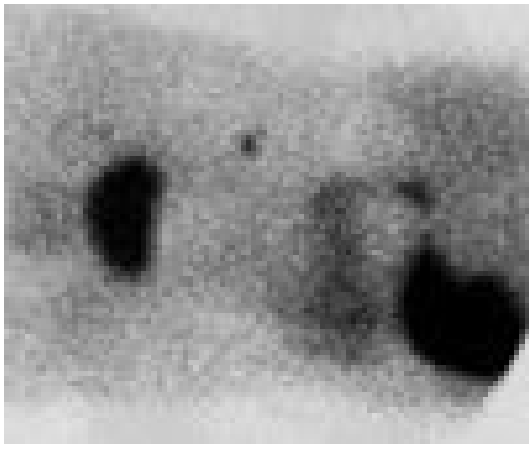


Mekelov divertikulum u račvi aorte: intezitet aktivnosti se pojavljuje zajedno sa želucem i pojačava se tokom vremena

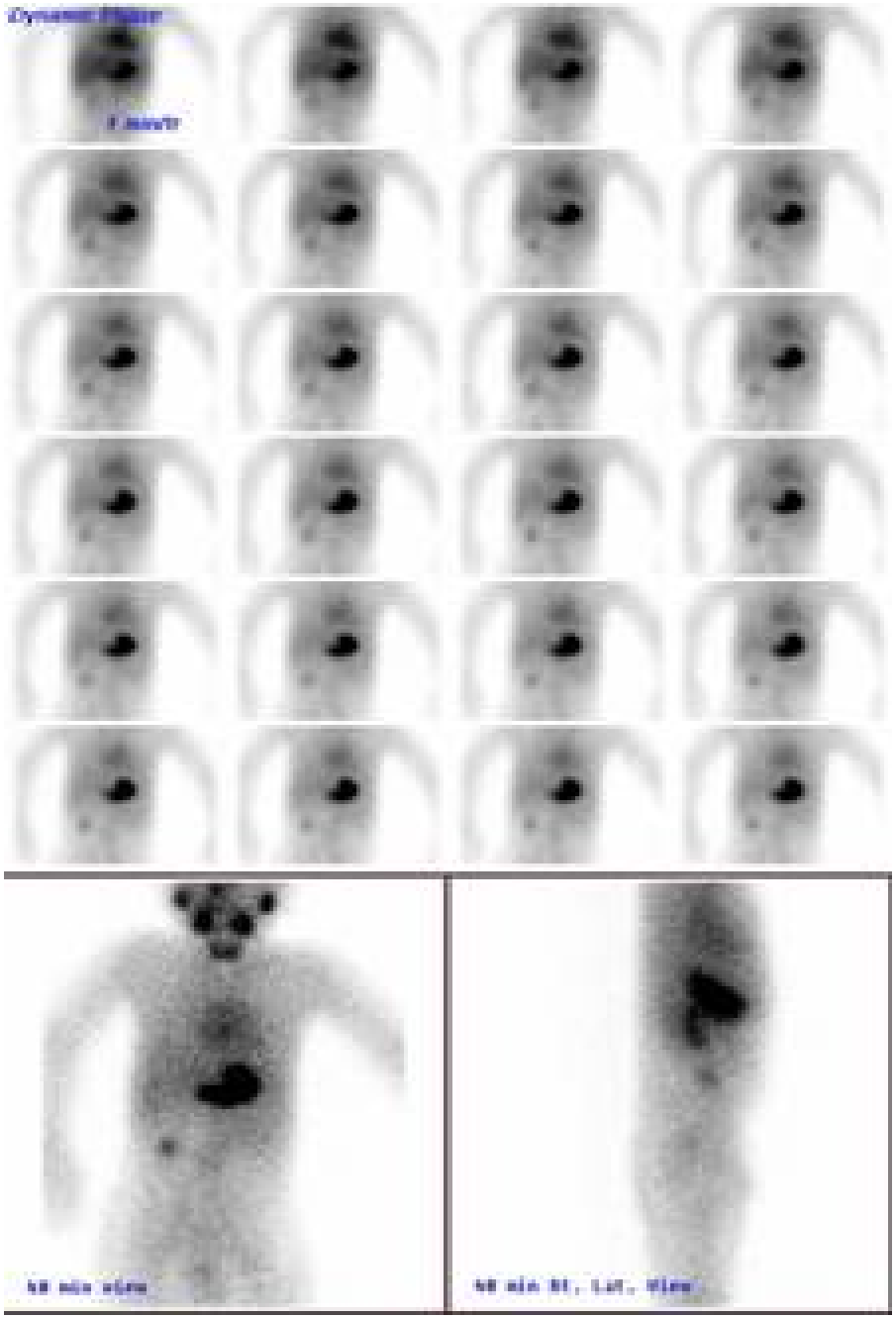




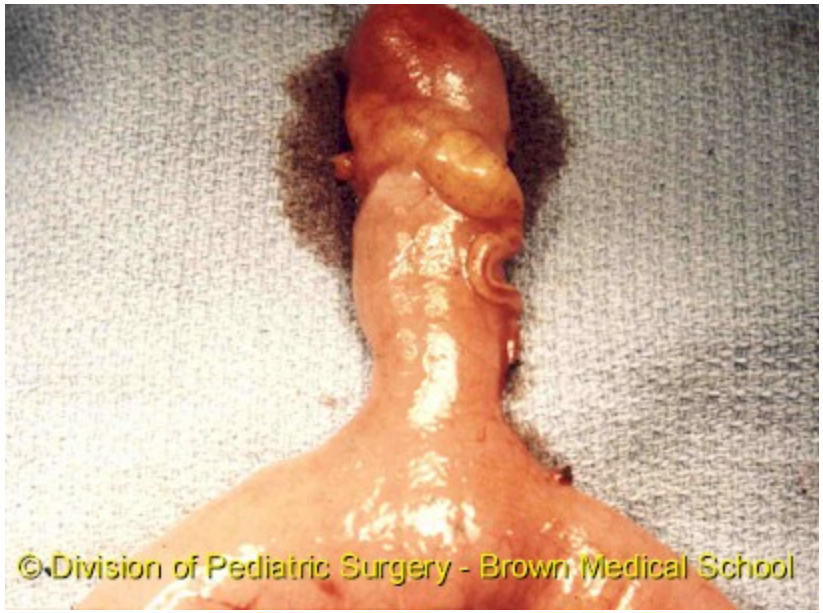

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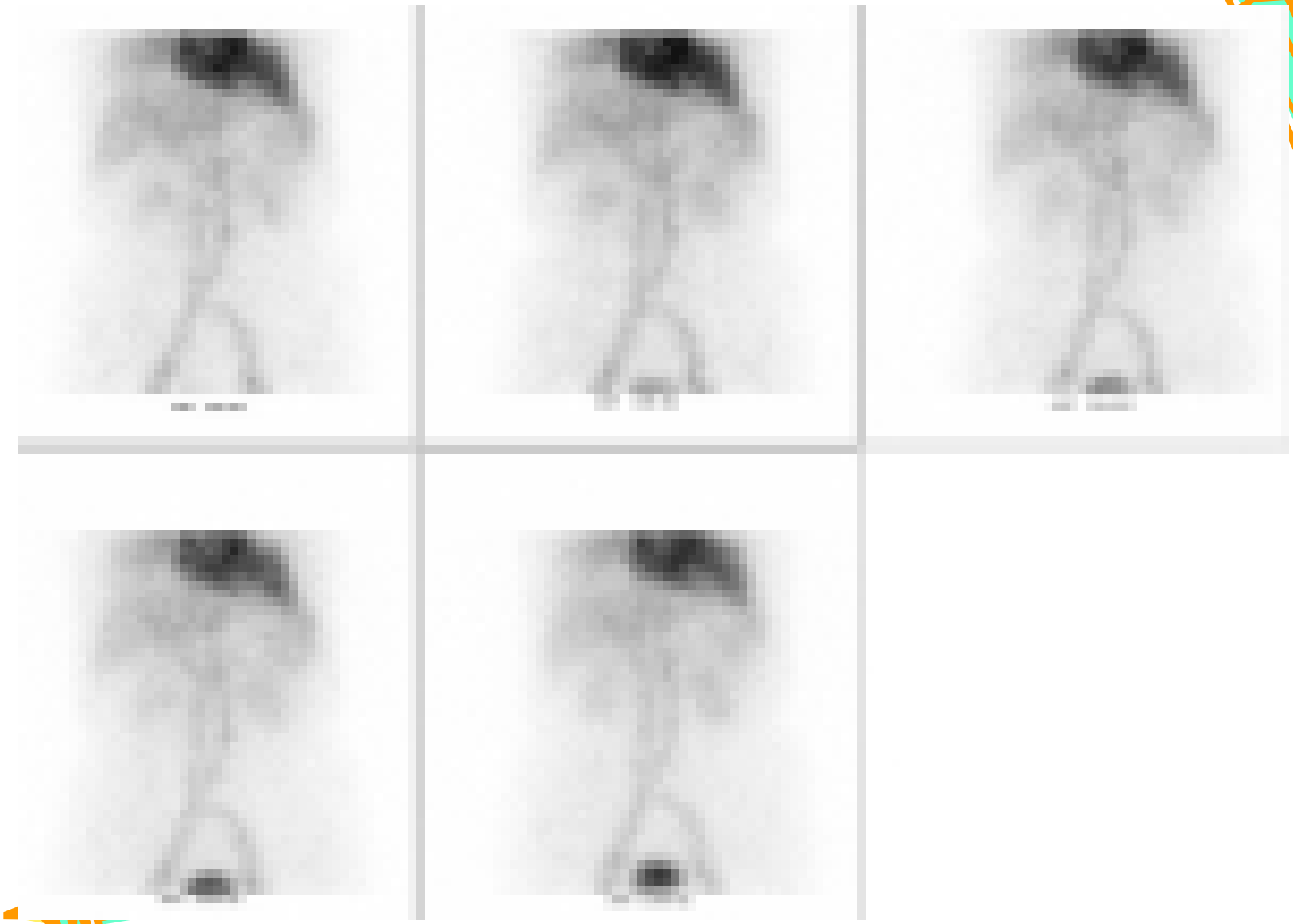


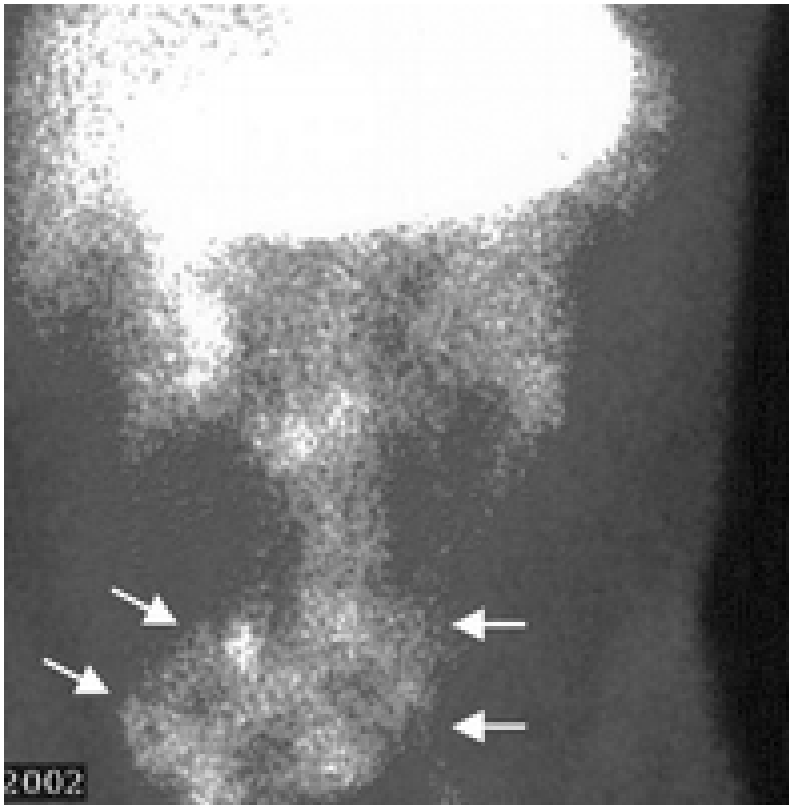





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