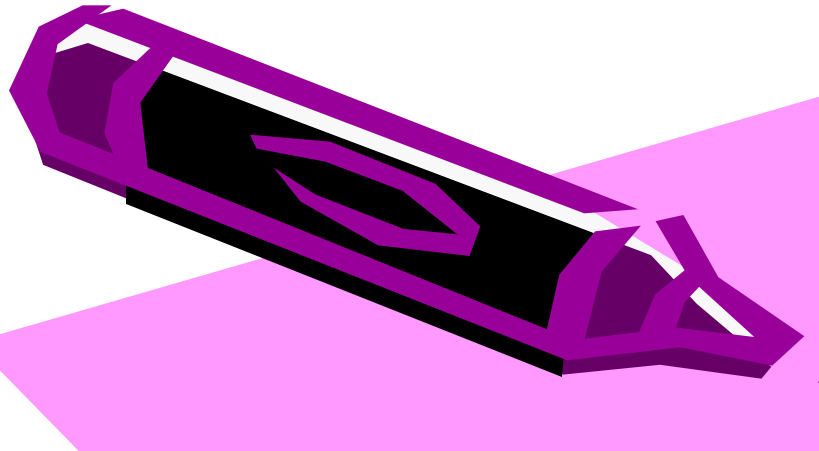


CENTRALNI NERVNI SISTEM

Angiografija
Perfuziona scintigrafija mozga
Radionuklidna cisternografija
PET mozga

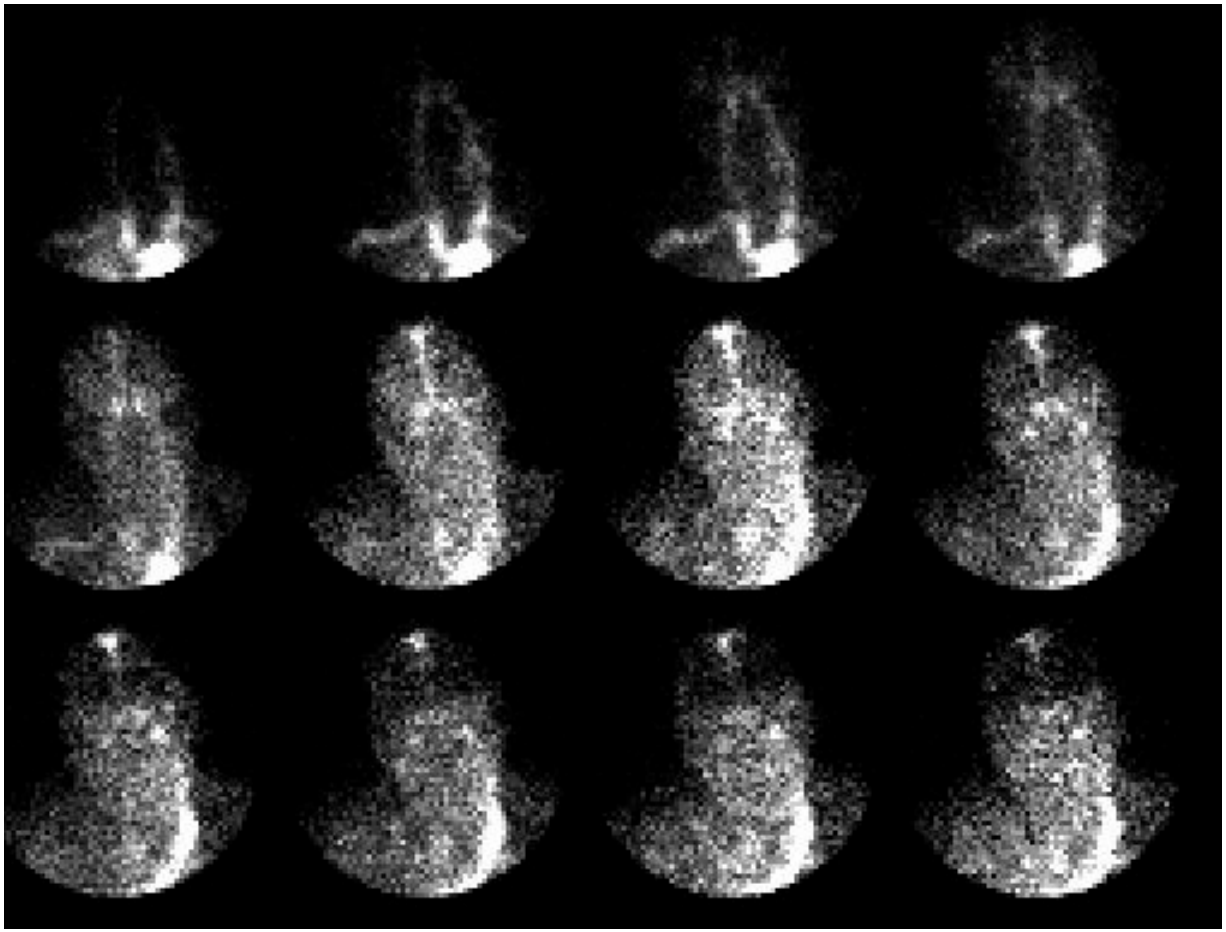


nuklearna angiografija

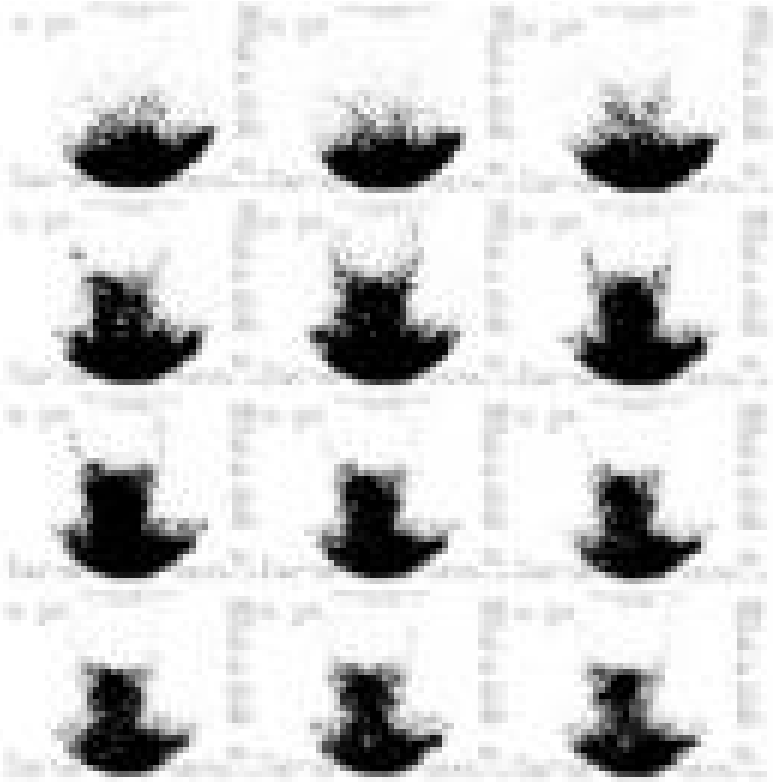
procena protoka krvi kroz k.s mozga

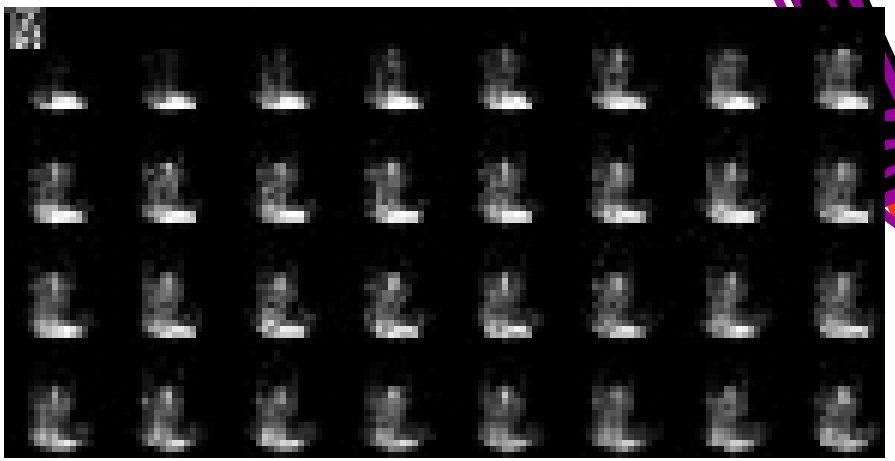
- $Tc^{99m}O_4$
- Tc^{99m} DTPA
- Tc glukoheptonat
- Hidrosolubilni i u fiziološkim uslovima ne prolaze hematoencefalnu barijeru

- 740MBq i.v. aplikacija u vidu bolusa (u zapremini < 1 ml)
- AP i PA projekcija
- Dinamska studija od 60 sličica po jedna u sekundi

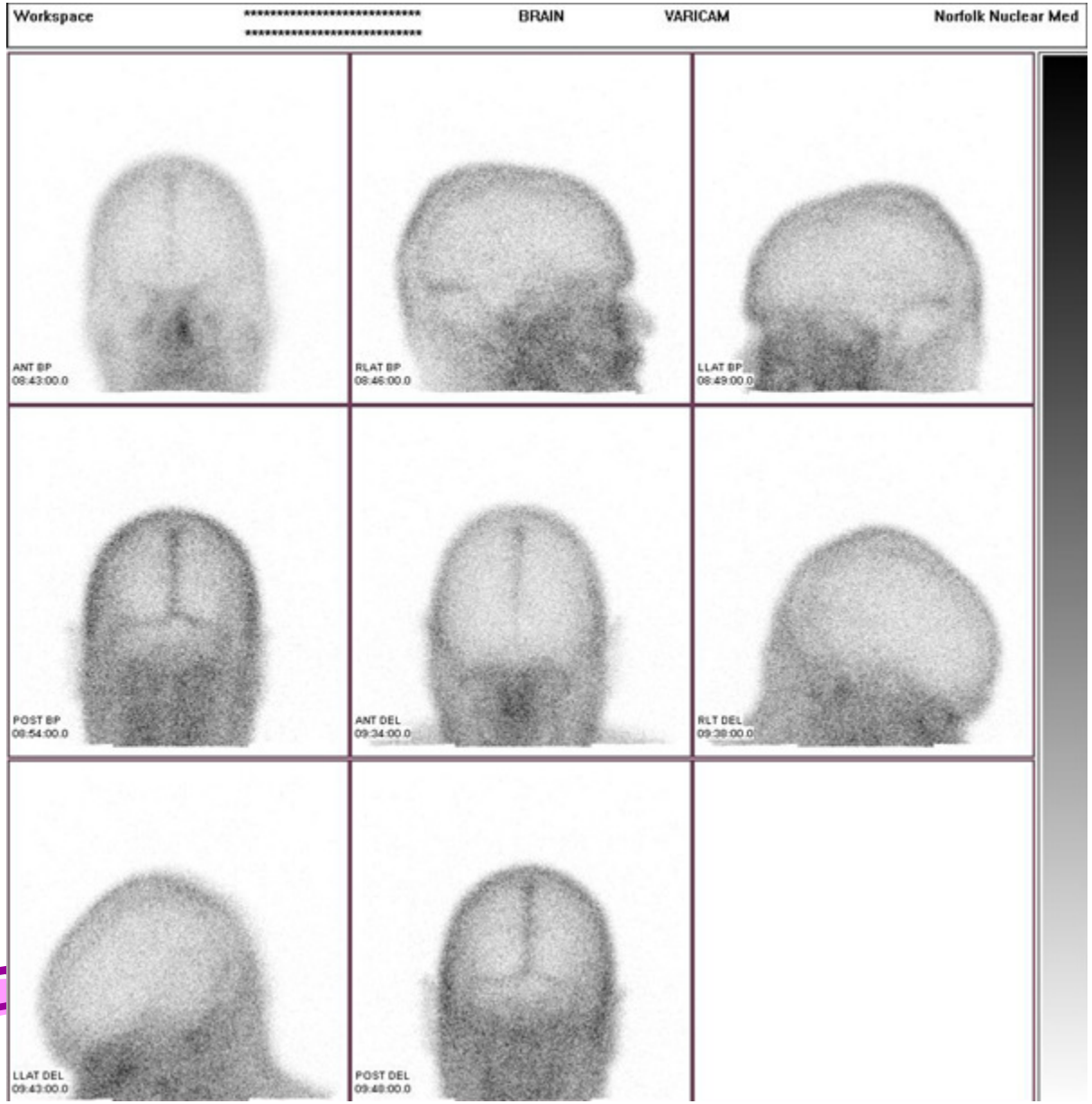


Normalan DTPA perfuzioni scintigram



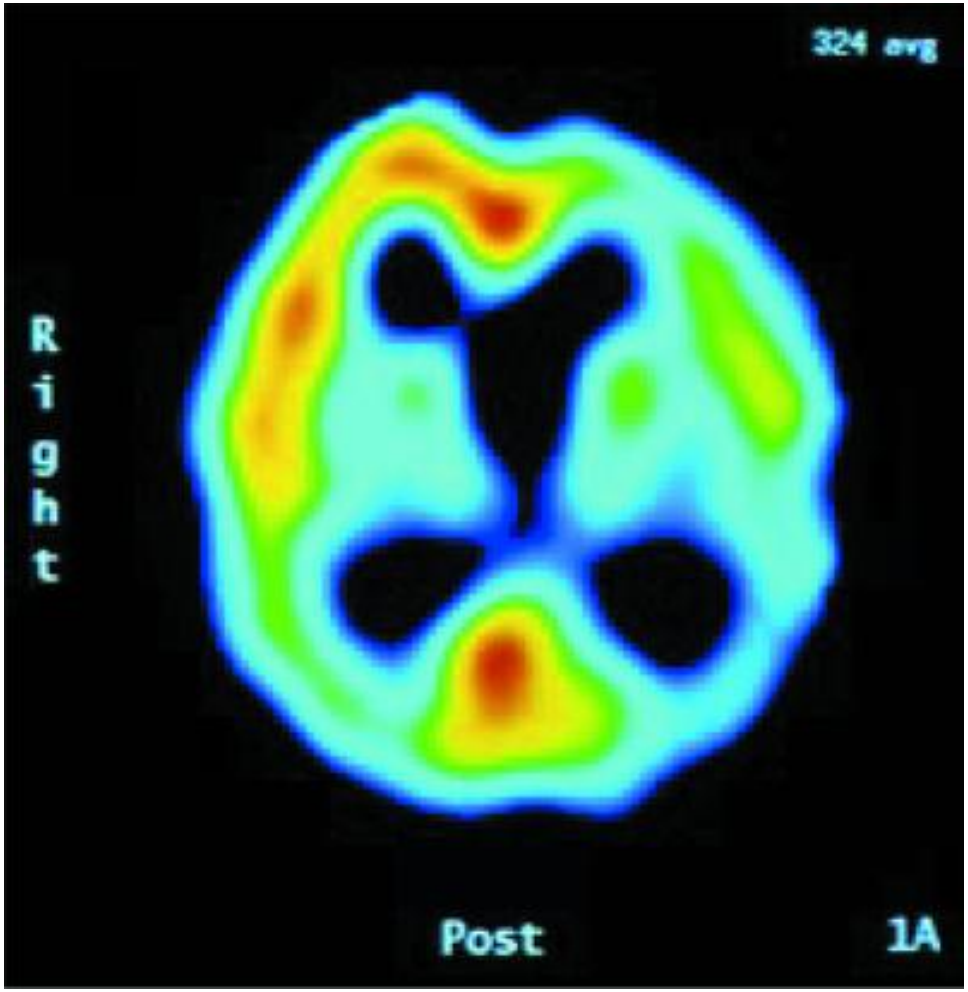




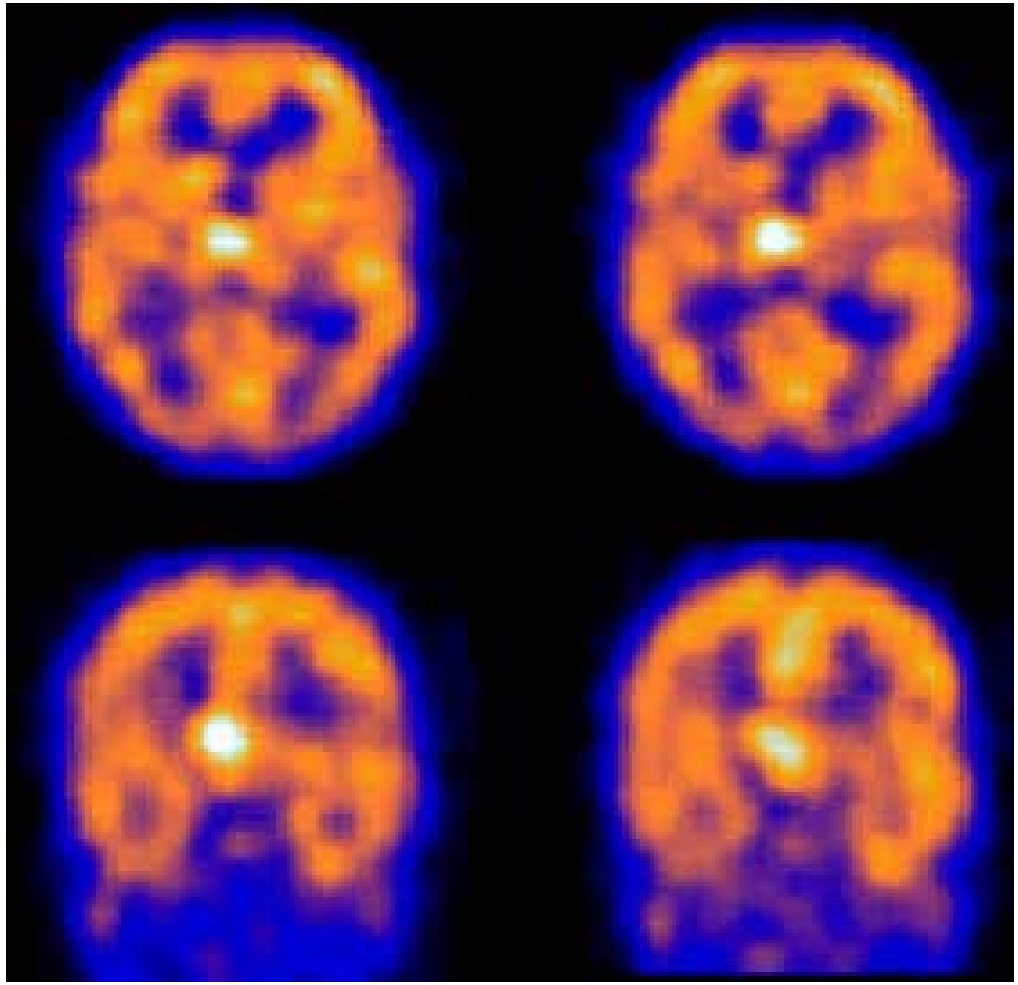

Workspace
BRAIN
VARICAM
Norfolk Nuclear Med
ANT BP
08:43:00.0
RLAT BP
08:46:00.0
LLAT BP
08:49:00.0
POST BP
08:54:00.0
ANT DEL
09:34:00.0
RLT DEL
09:38:00.0
LLAT DEL
09:43:00.0
POST DEL
09:48:00.0

Perfuziona scintigrafija mozga

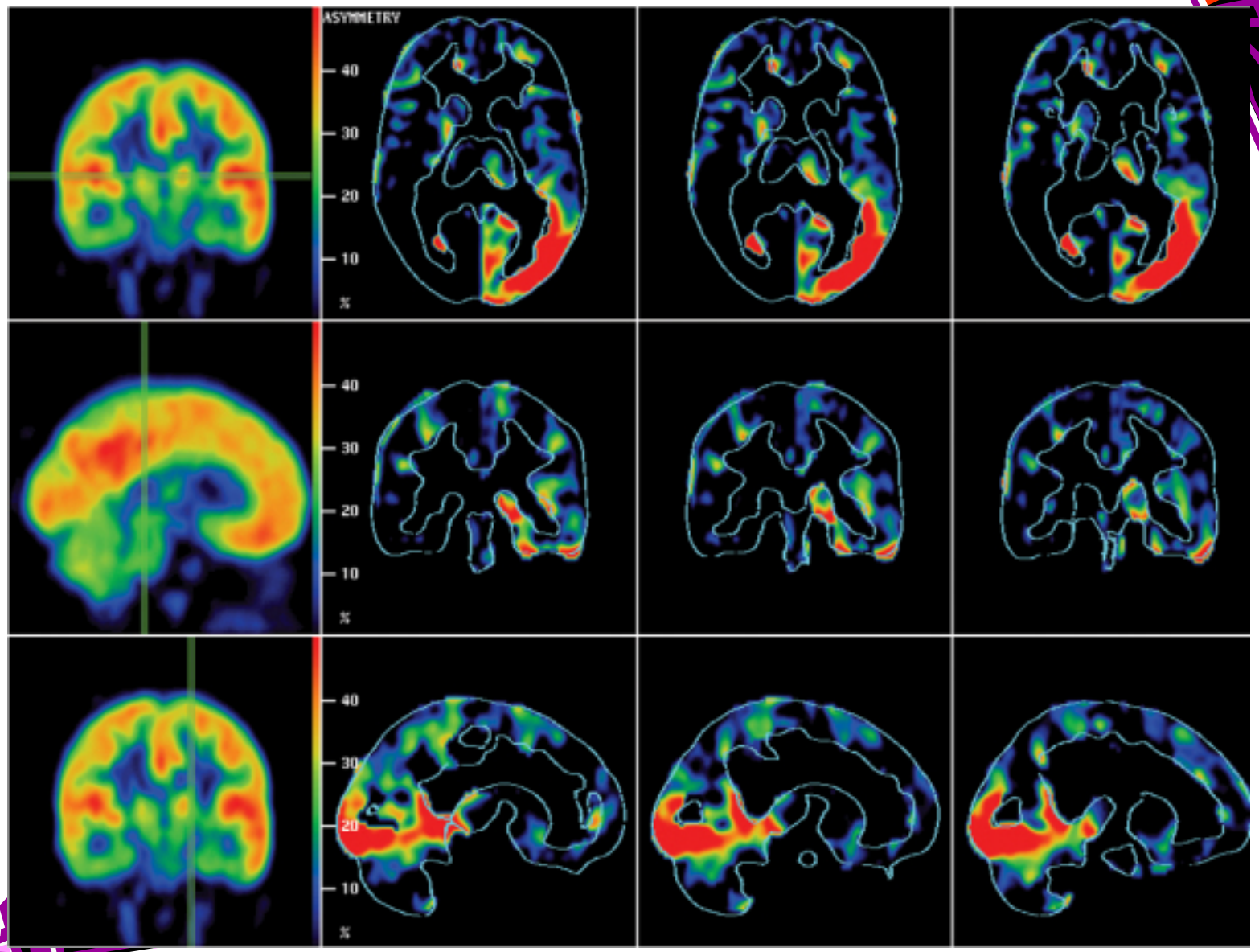
- Radiofarmaci su liposolubilna jedinjenja koja se intracelularno konvertuju u hidrosolubilna i prolongirano zadžavaju u moždanom tkivu
- J^{123} amfetamin
- Tc^{99m} HMPAO (heksametilpropilenaminooksim)
- Tc^{99m} etilendicisteinat EDC
- Snimanje se izvodi u bazalnim uslovima kada je pacijent potpuno relaksiran



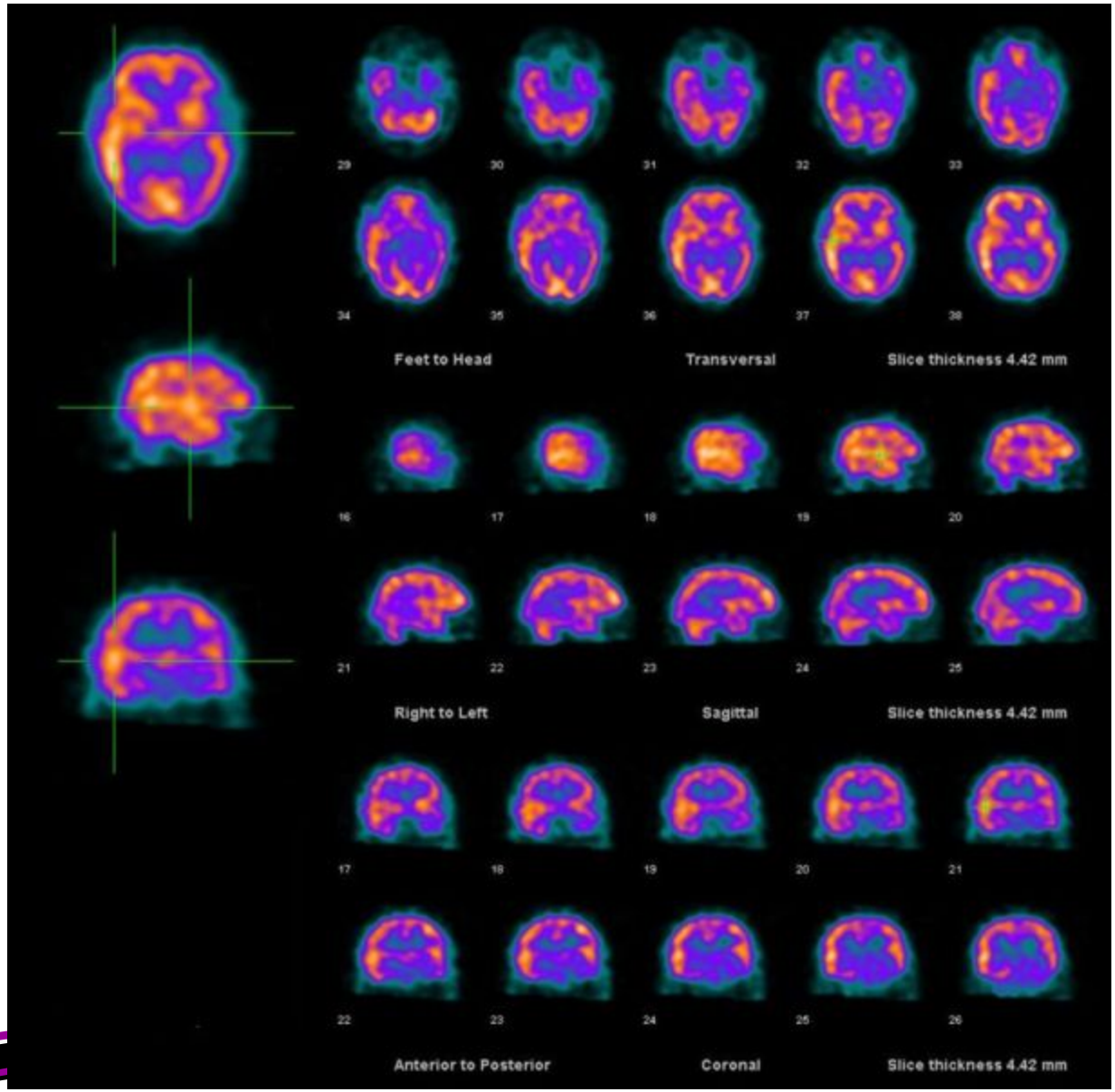
Hipoperfuzija levo temporalno



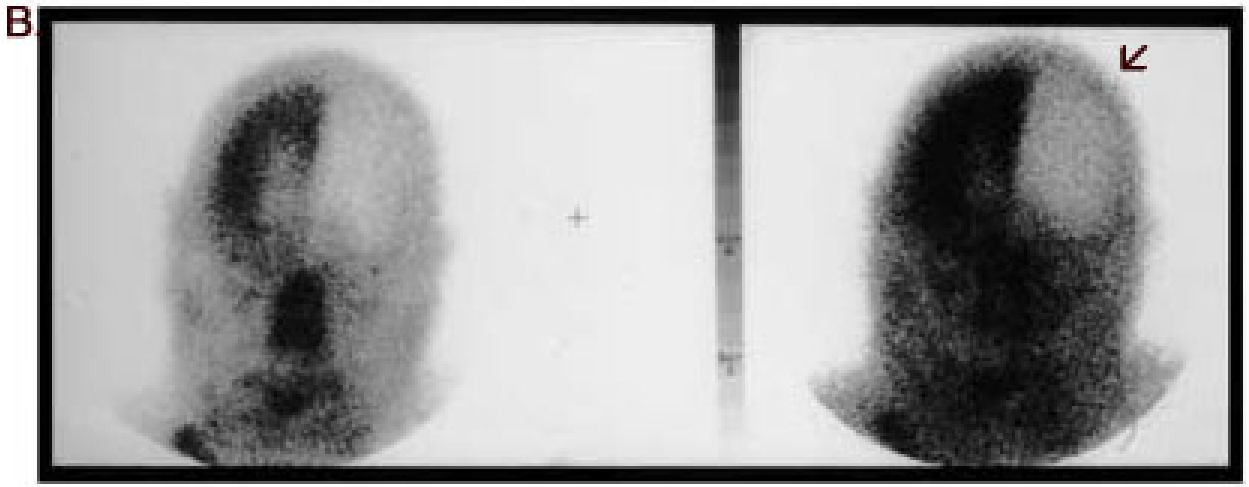
Levo hipoperfuzija



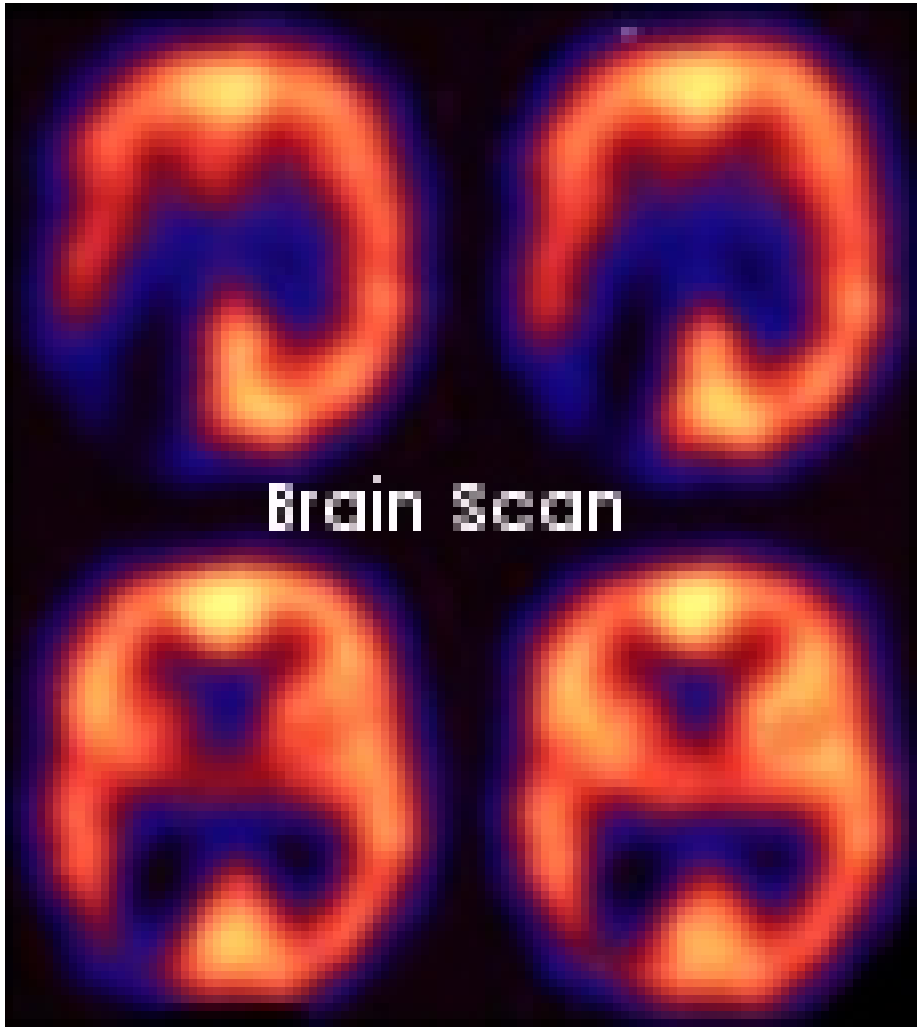
hipoperfuzija

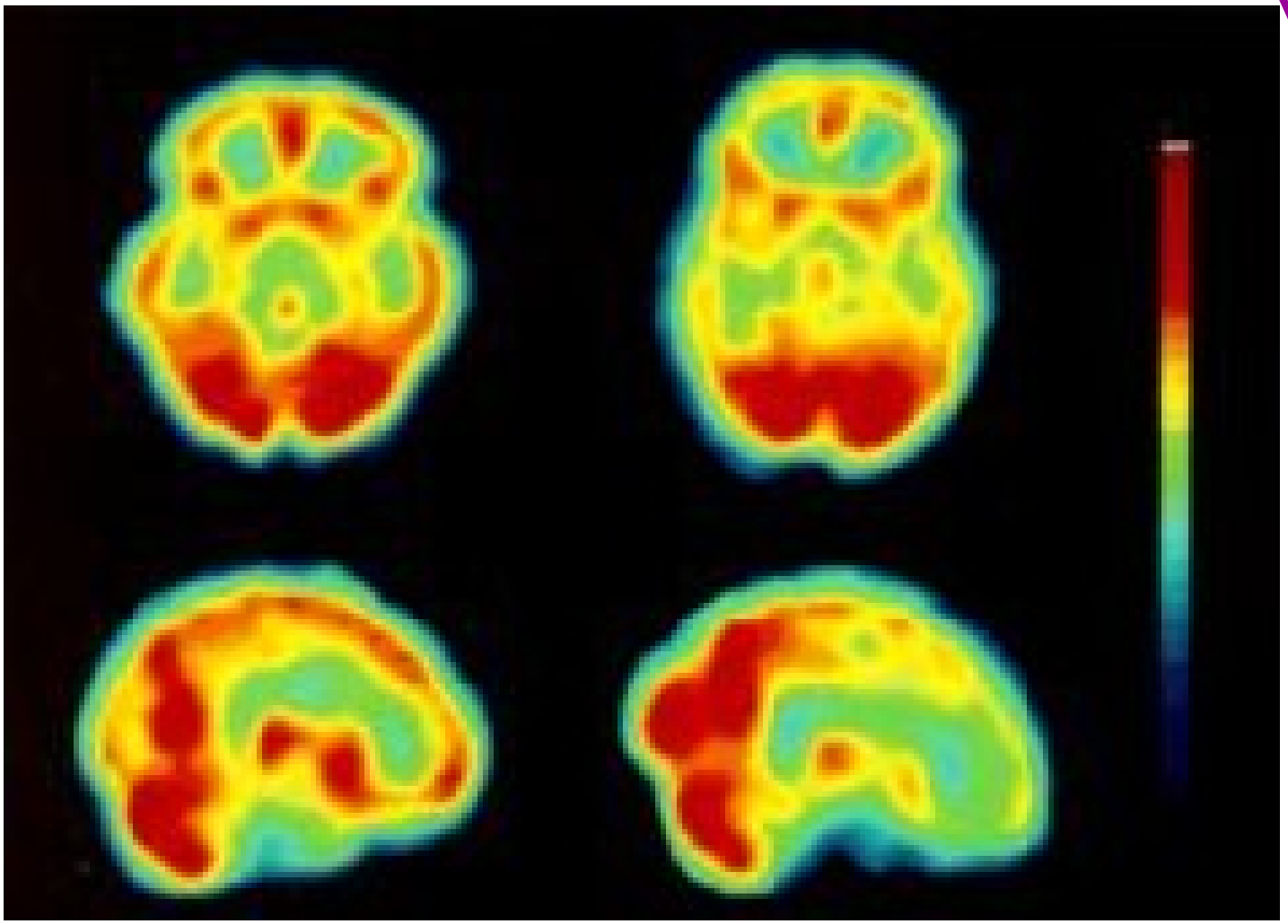

Feet to Head
Transversal
Slice thickness 4.42 mm
Right to Left
Sagittal
Slice thickness 4.42 mm
Anterior to Posterior
Coronal
Slice thickness 4.42 mm

SPECT mozga



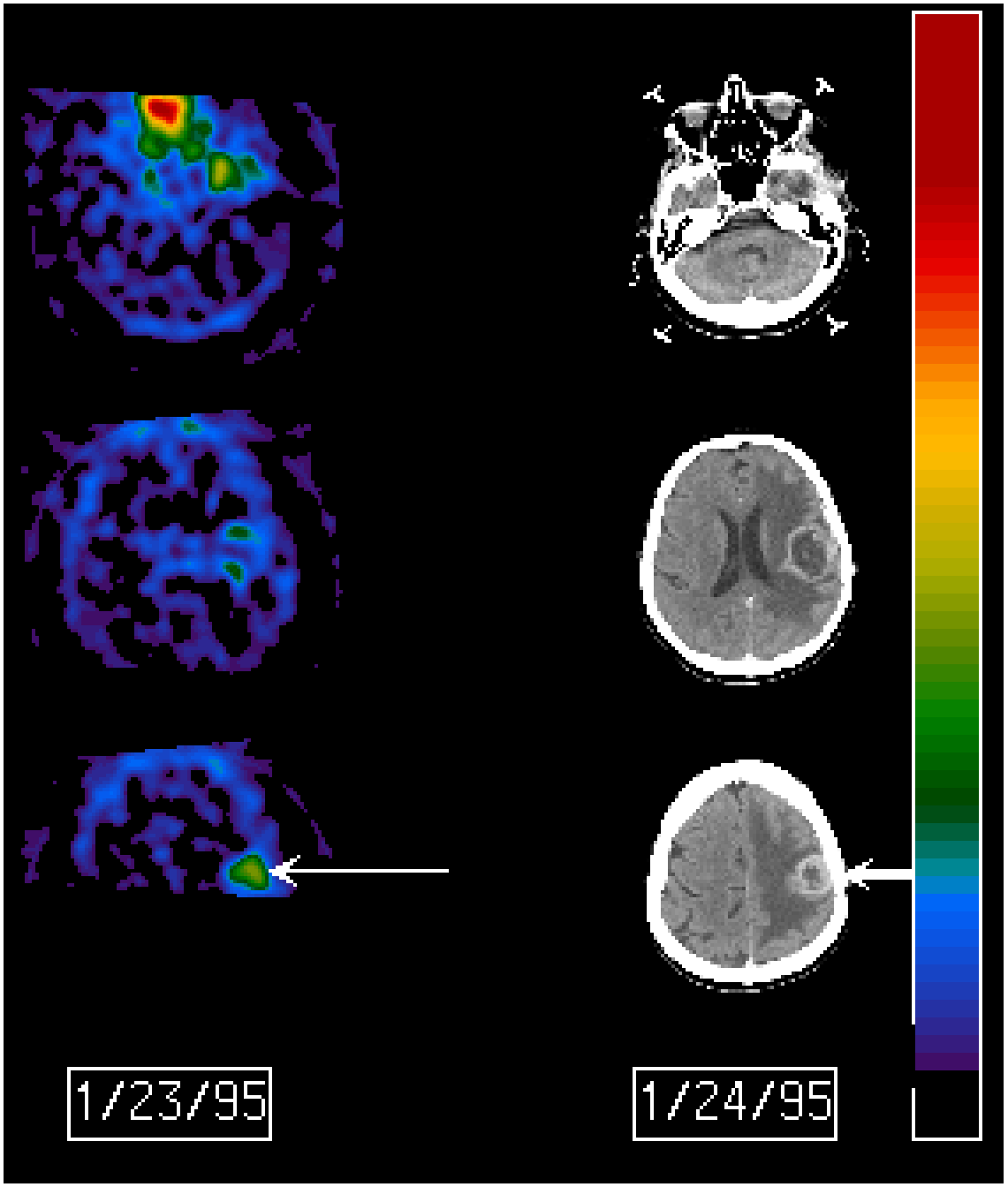
Izostanak metabolizma s leve strane


Brain Scan



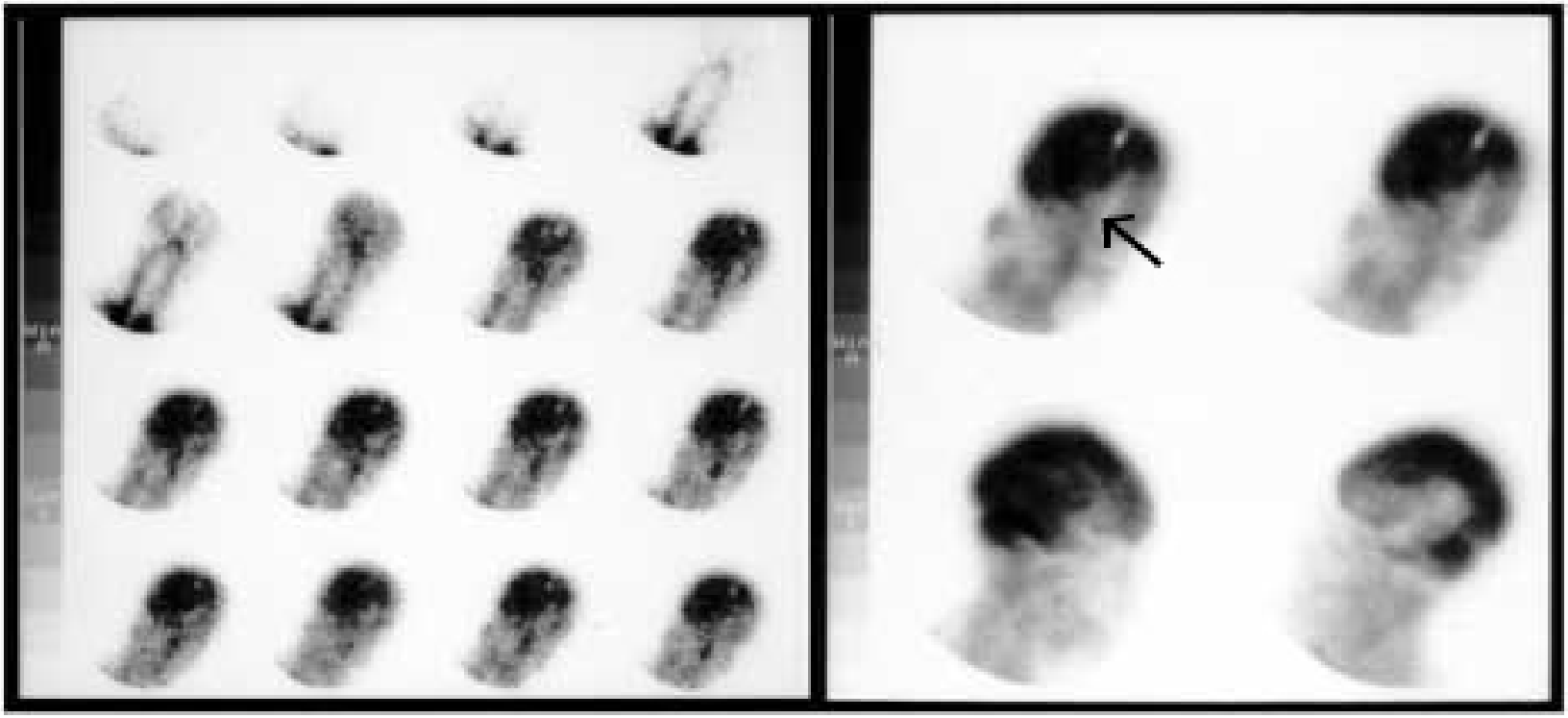
Perfuziona scntigrafija mozga

Tl scintigrafija

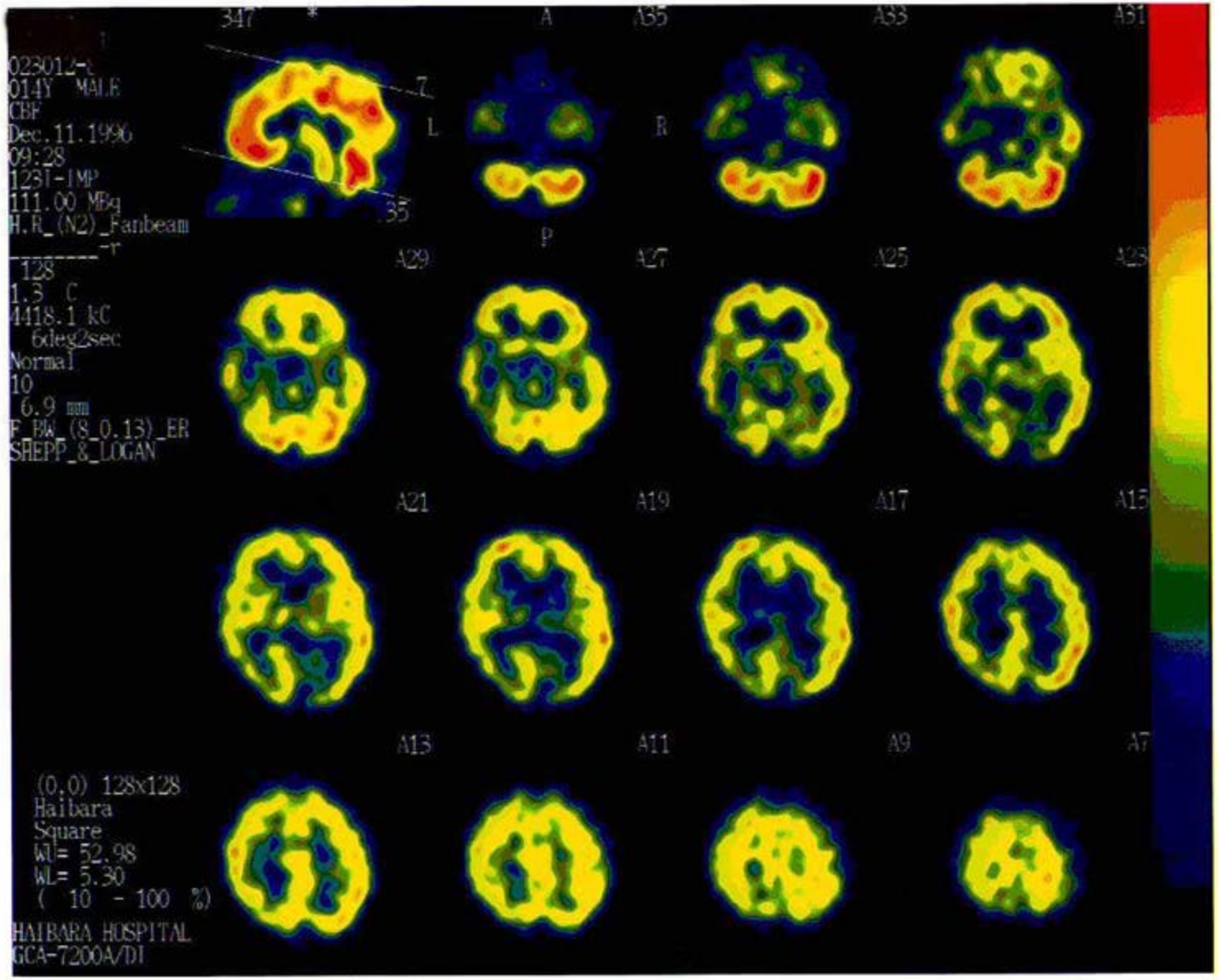


A.

B.



EDC fotopenična zona

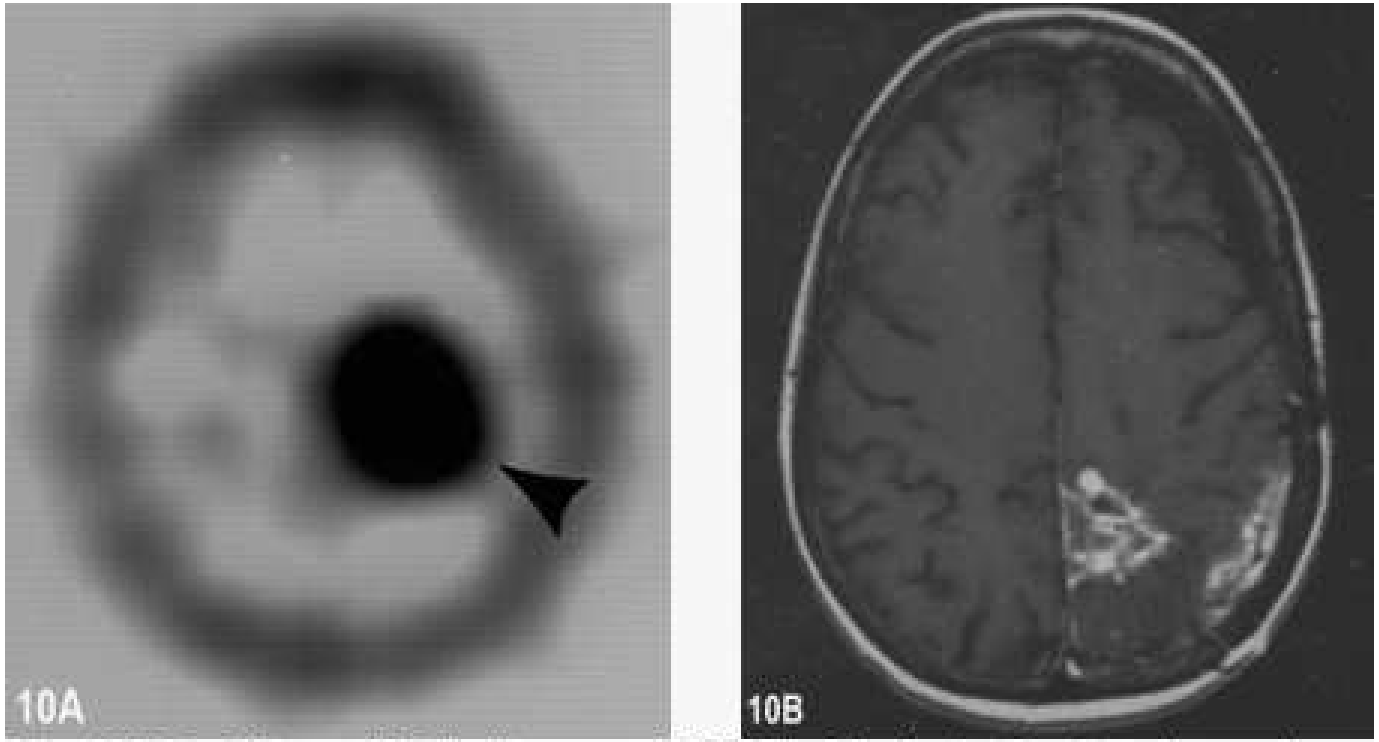


J 123 metilamfetamin

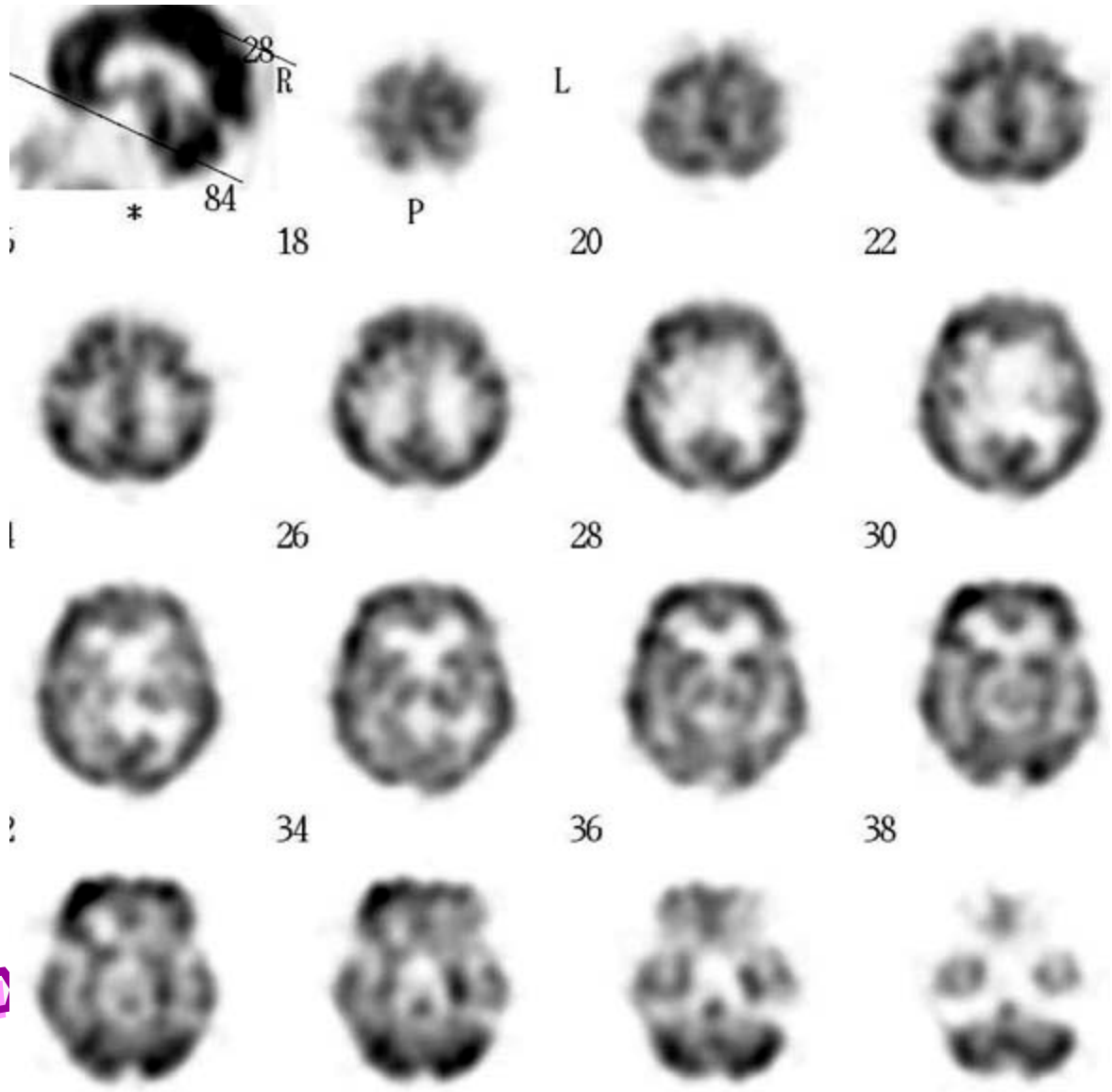
A.

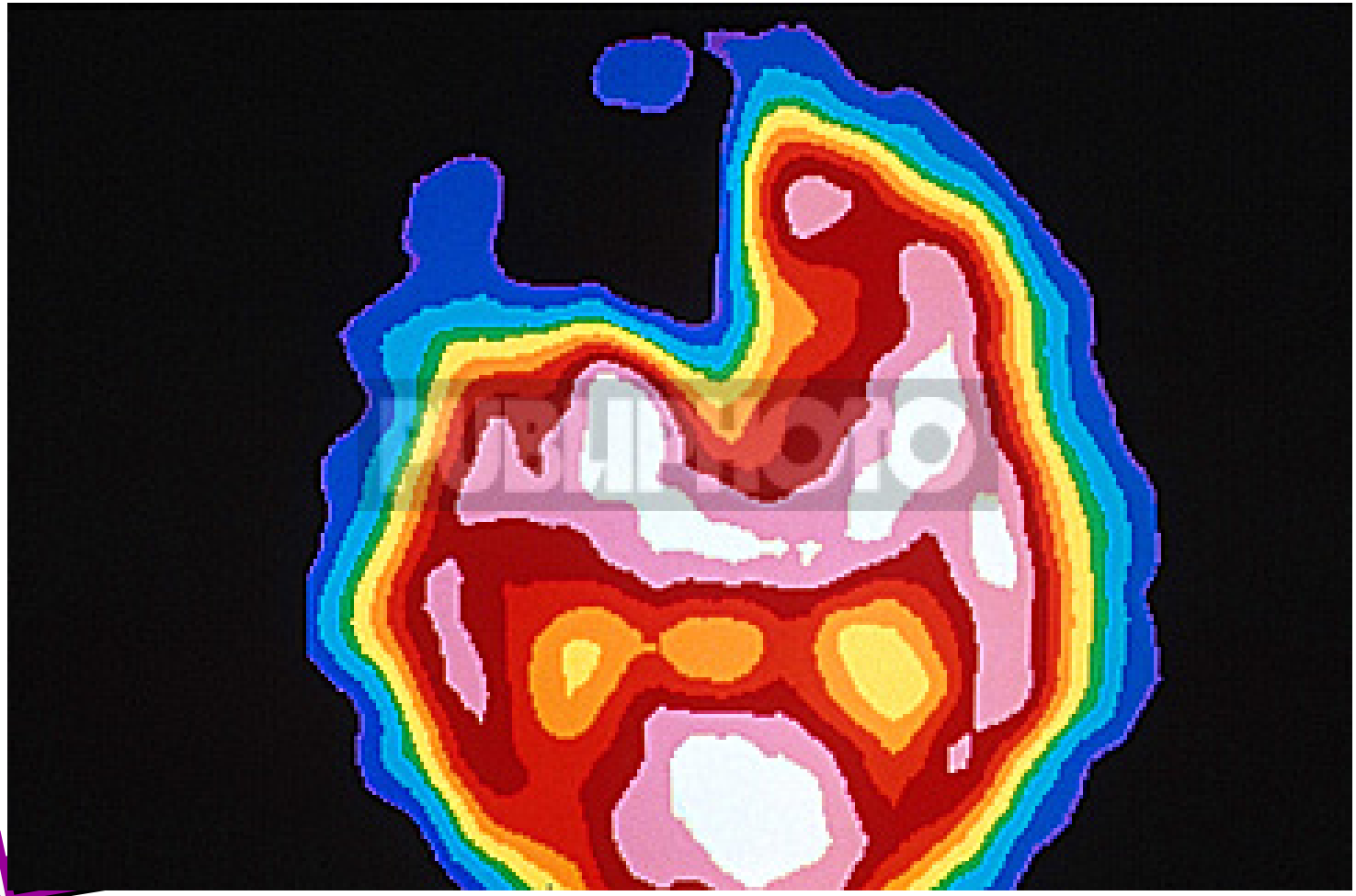


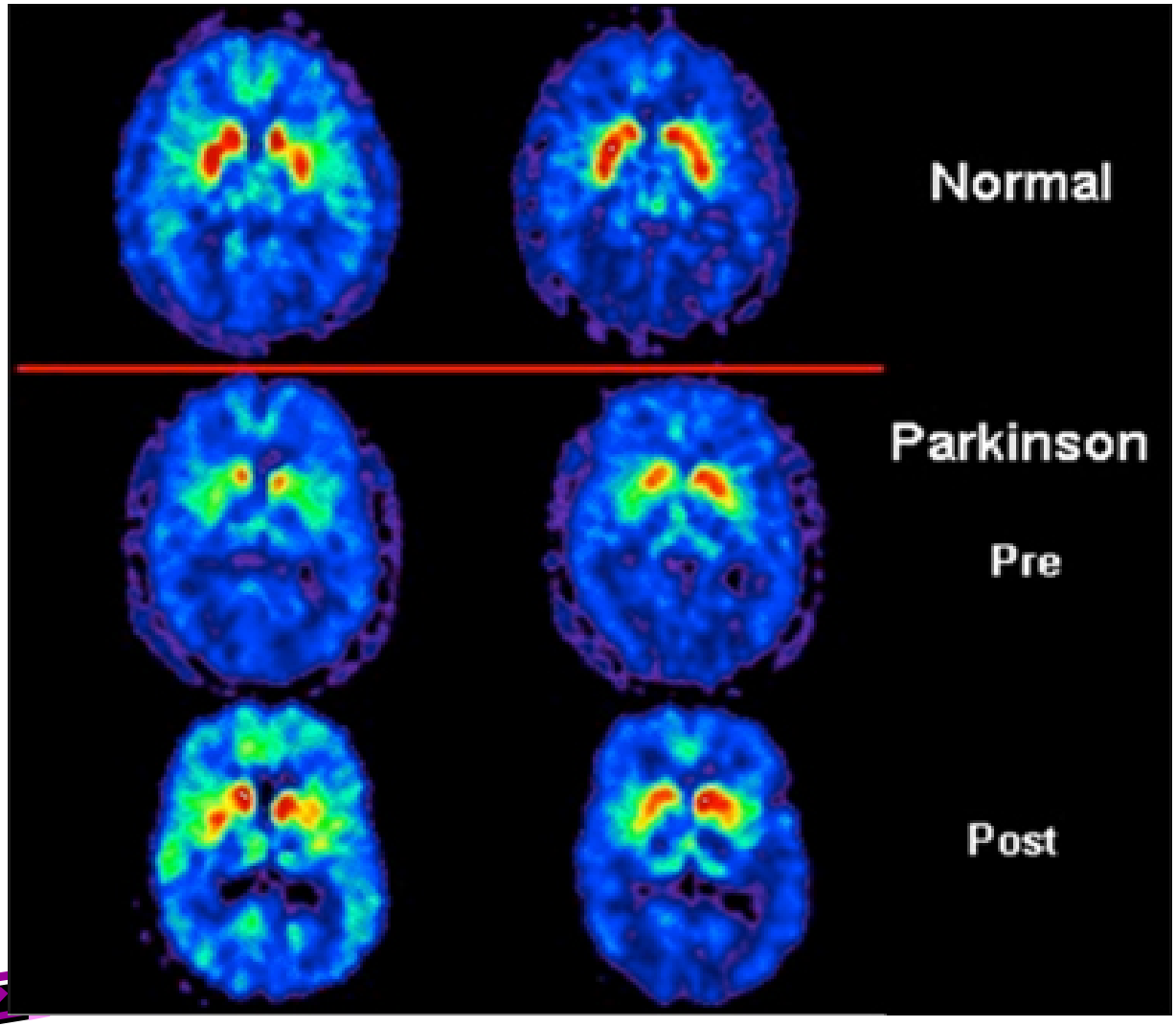
EDC perfuzija samo s desne strane

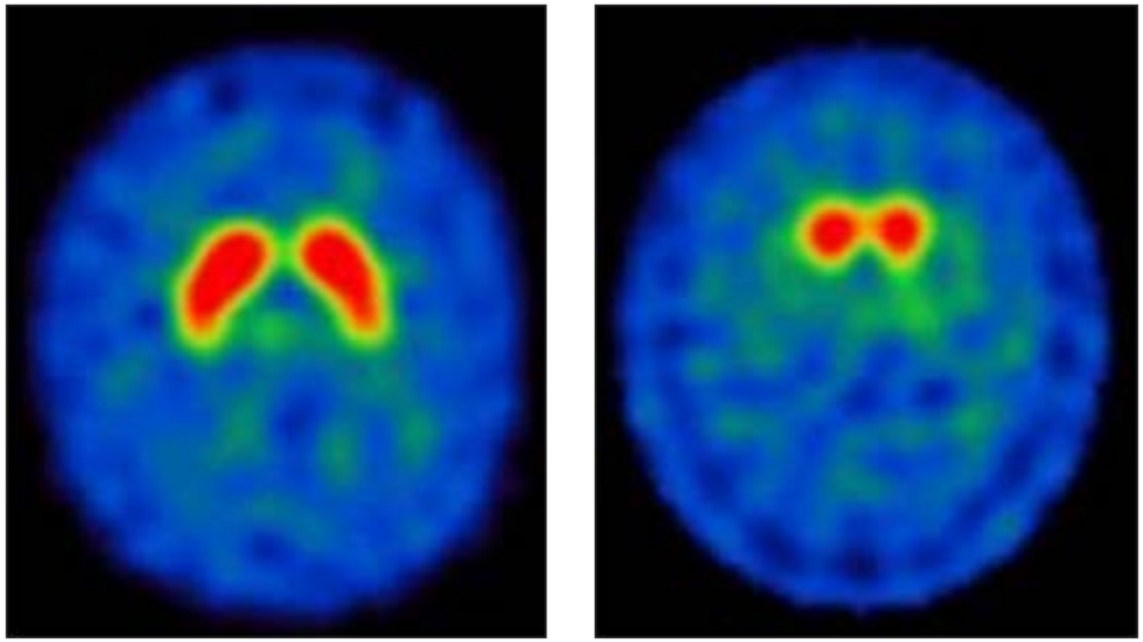


Figs 10A-B. - Glioma. (A) Thallium scan (SPECT) of the brain showing abnormal uptake in left posterior parietal lobe (arrowhead) relative to scalp and contralateral brain, which is consistent with recurrent tumor. (B) Gadolinium-enhanced T1-weighted axial MRI shows abnormal contrast enhancement, which is nonspecific.

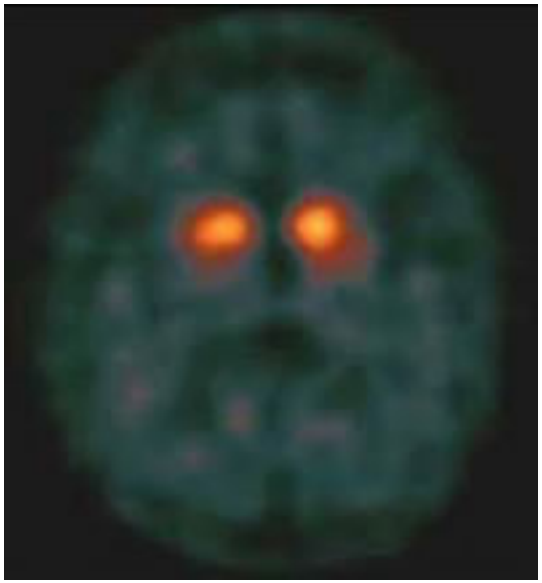

28
R
84
*
P
L
18
20
22
26
28
30
34
36
38



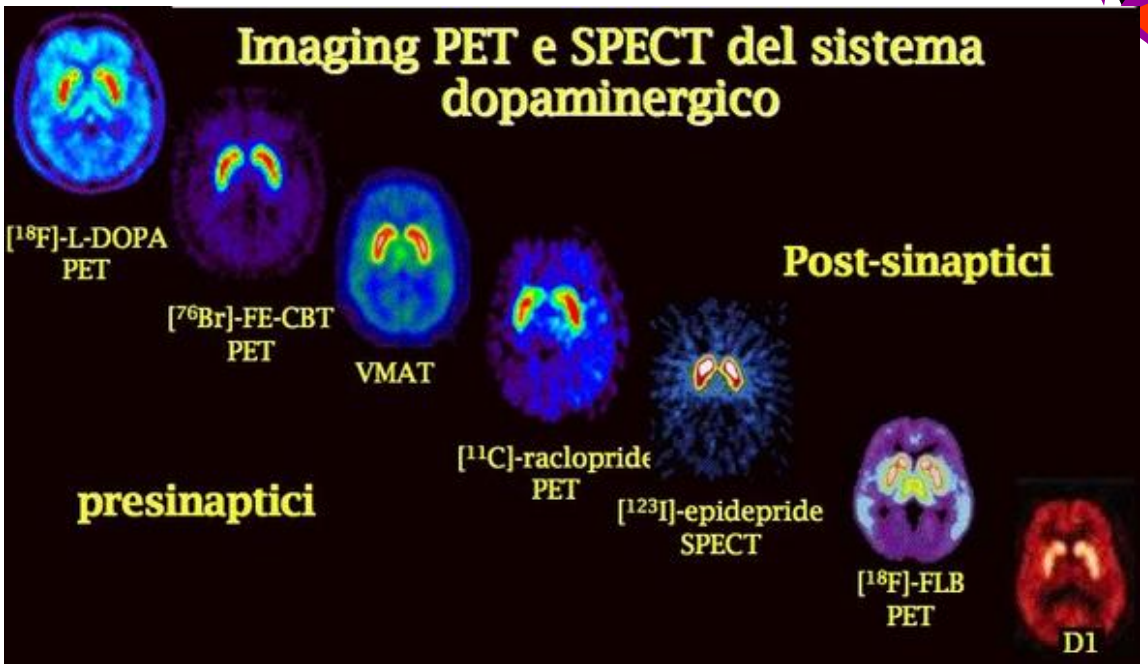

Normal
Parkinson
Pre
Post



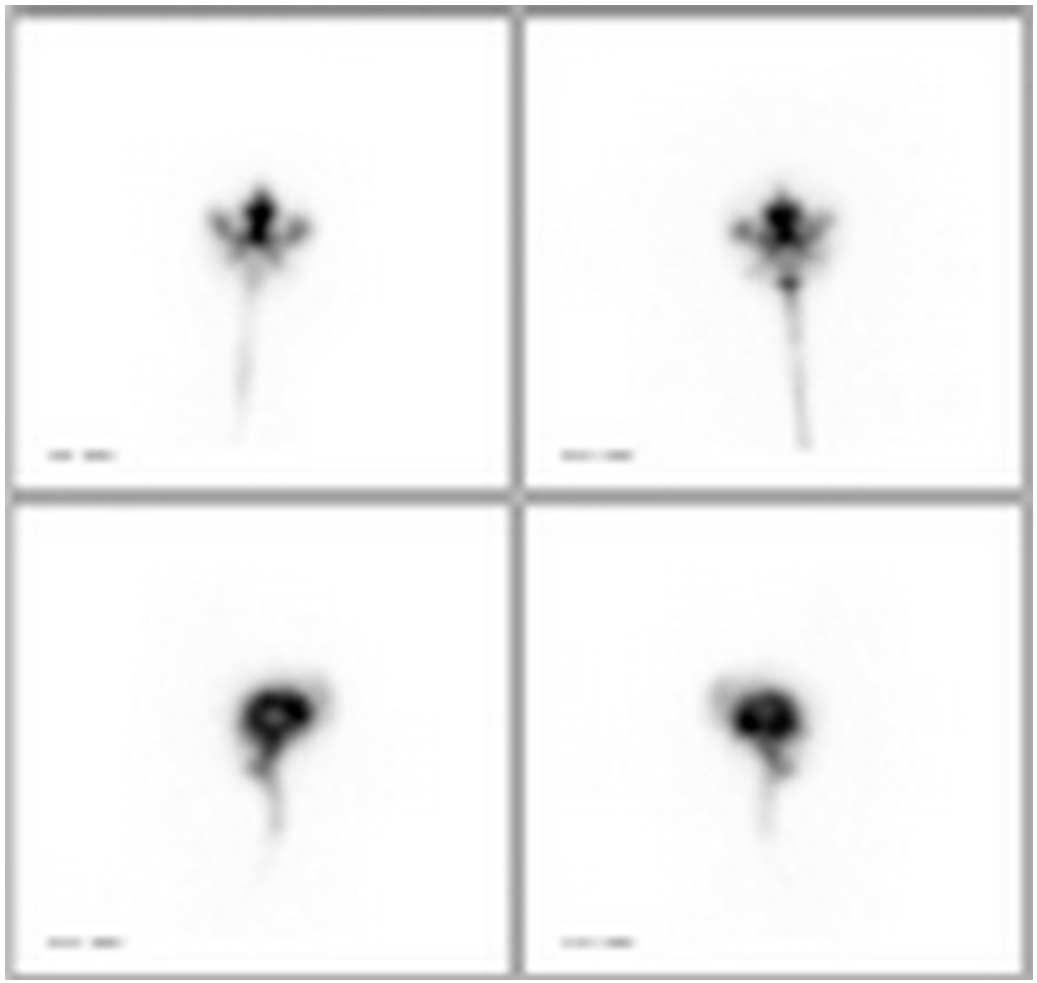
DaTSCAN

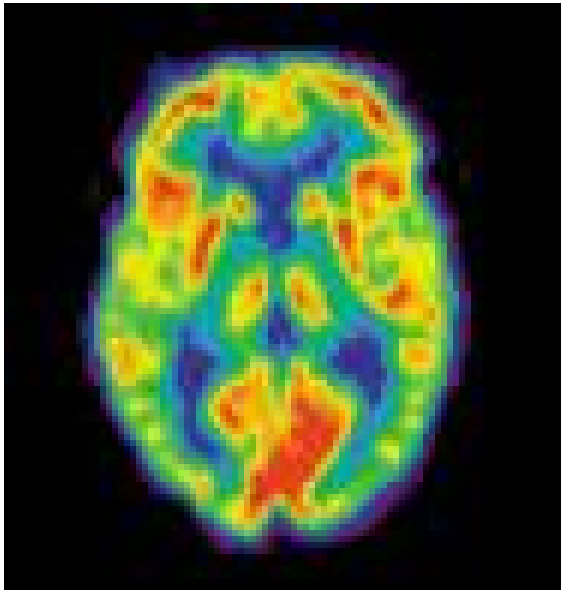


PATOLOŠKI DaTSCAN



cisternografija





← normalan PET sken

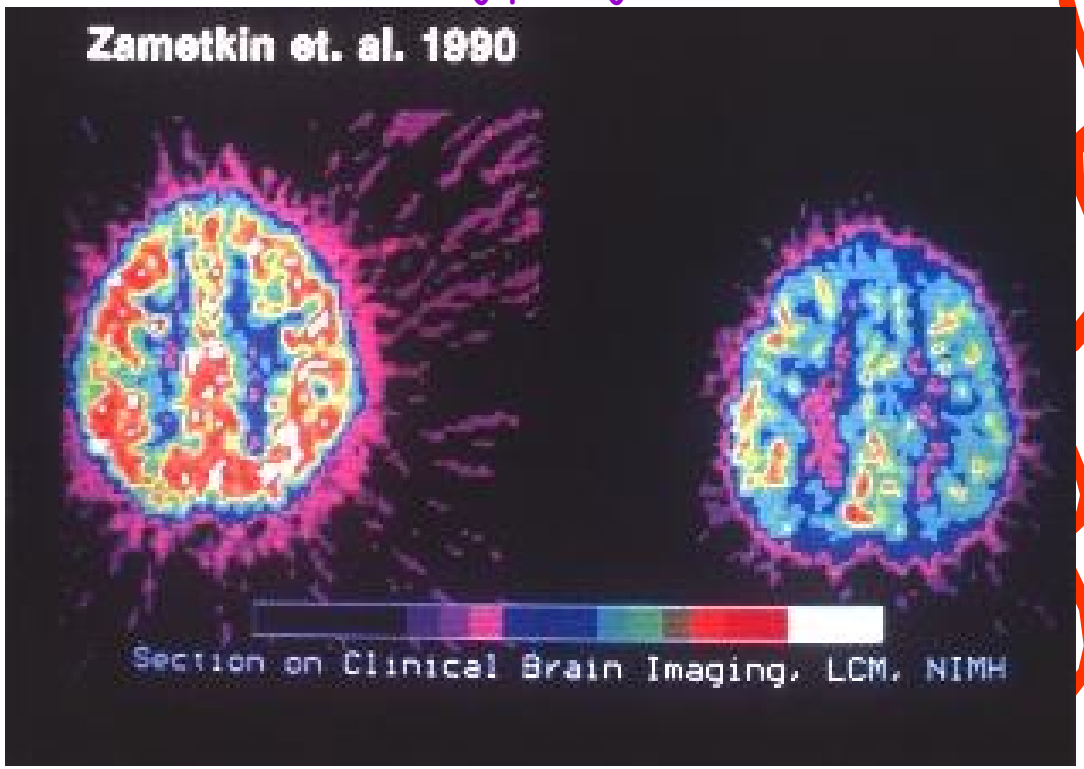
FDG

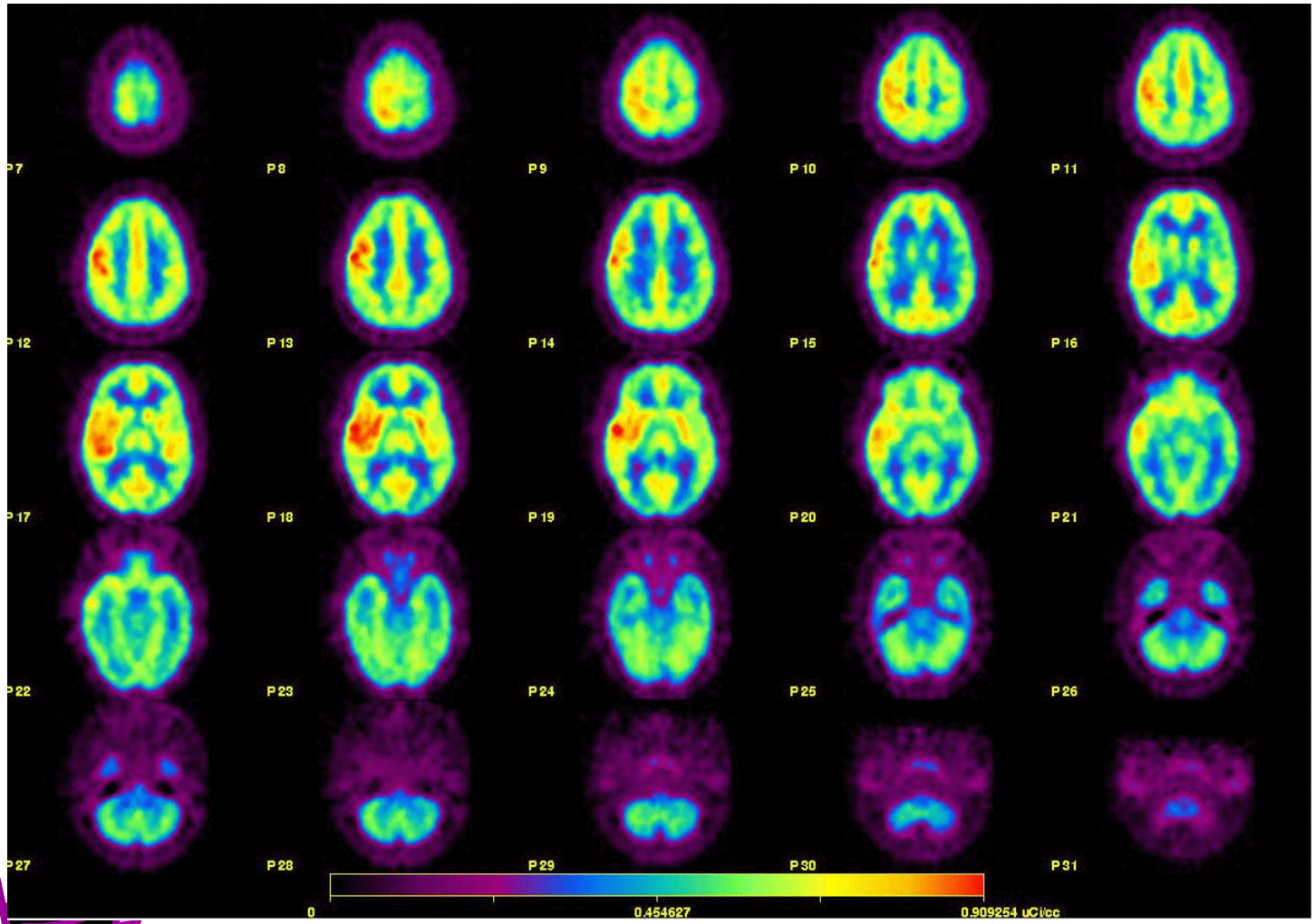
CO_2 (O^{15})

C11 metionin

Poremećaj pažnje



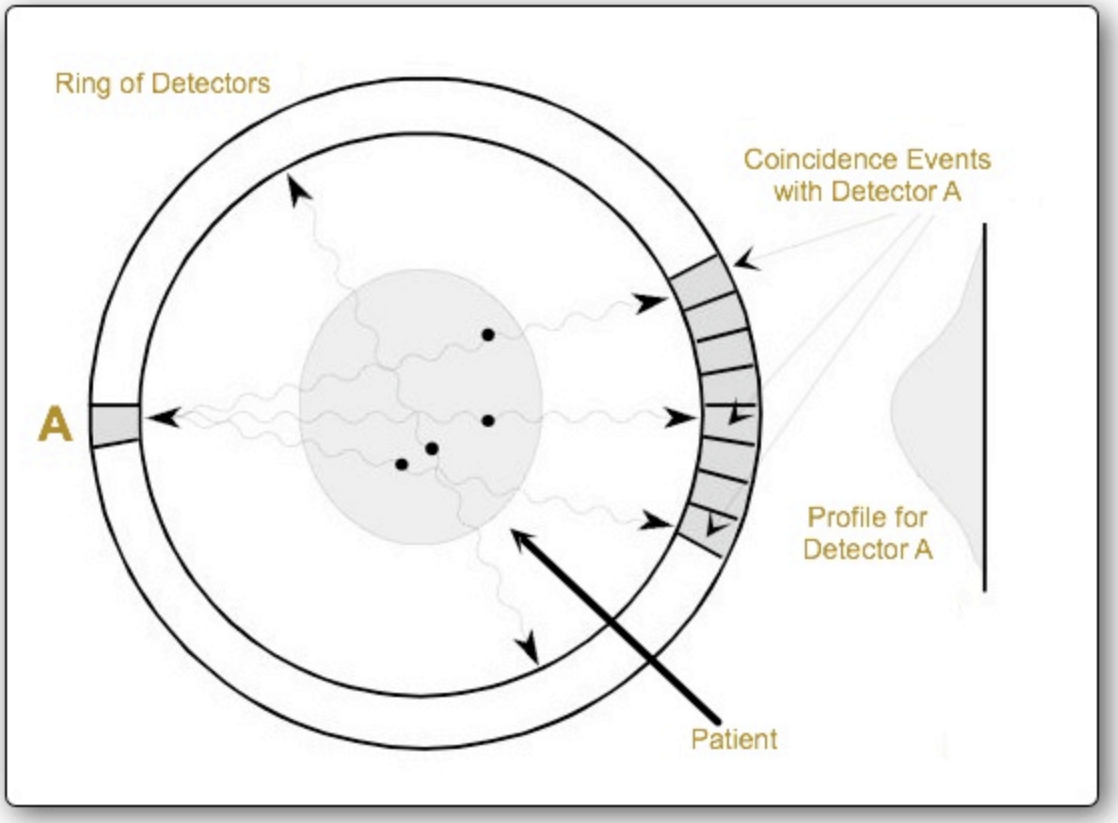


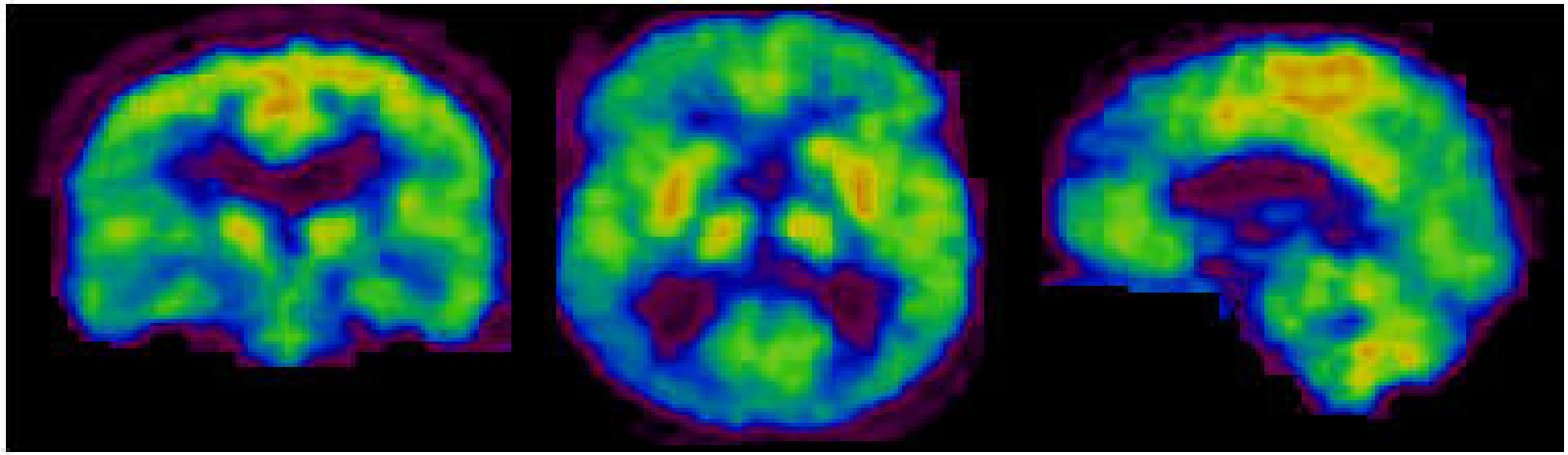


PET u ictusu napada

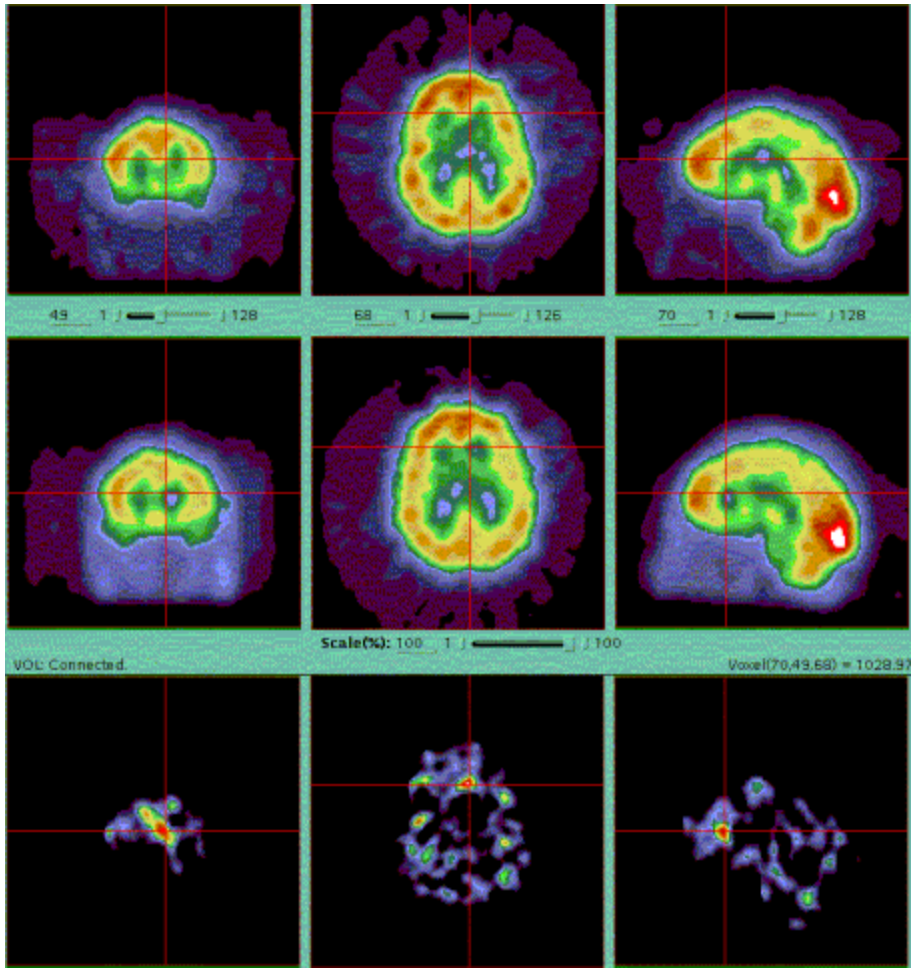


HMPAO


Ring of Detectors
Coincidence Events
with Detector A
A
Profile for
Detector A
Patient



PET : SMANJENO NAKUPLAJNJE U KORTEKSU



LOBARNA IKTALNA HIPERPERFUZIJA

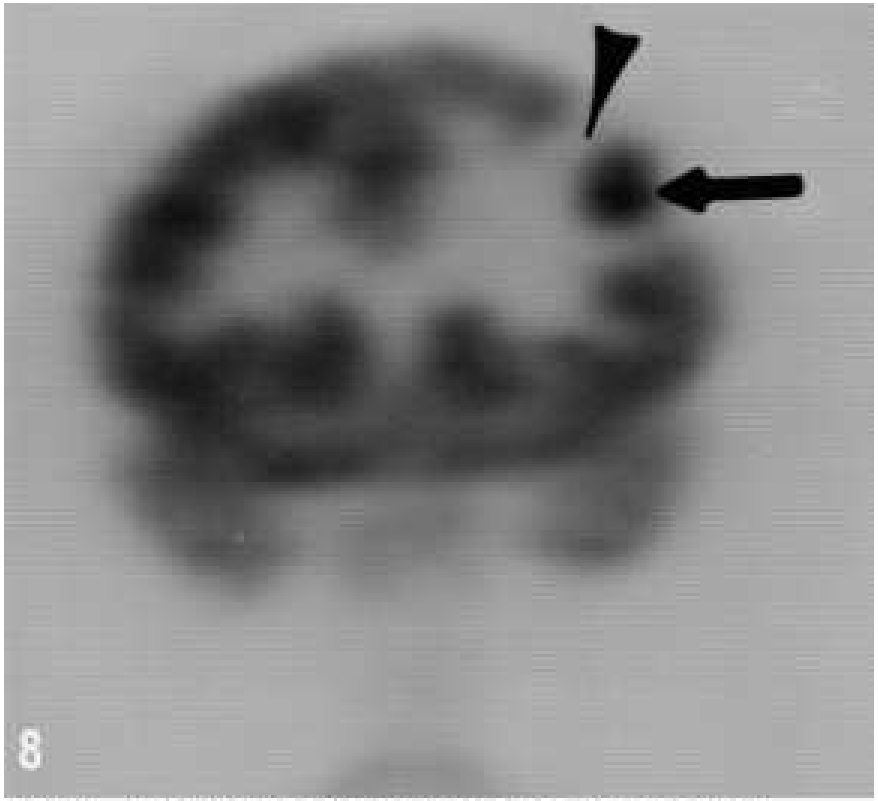
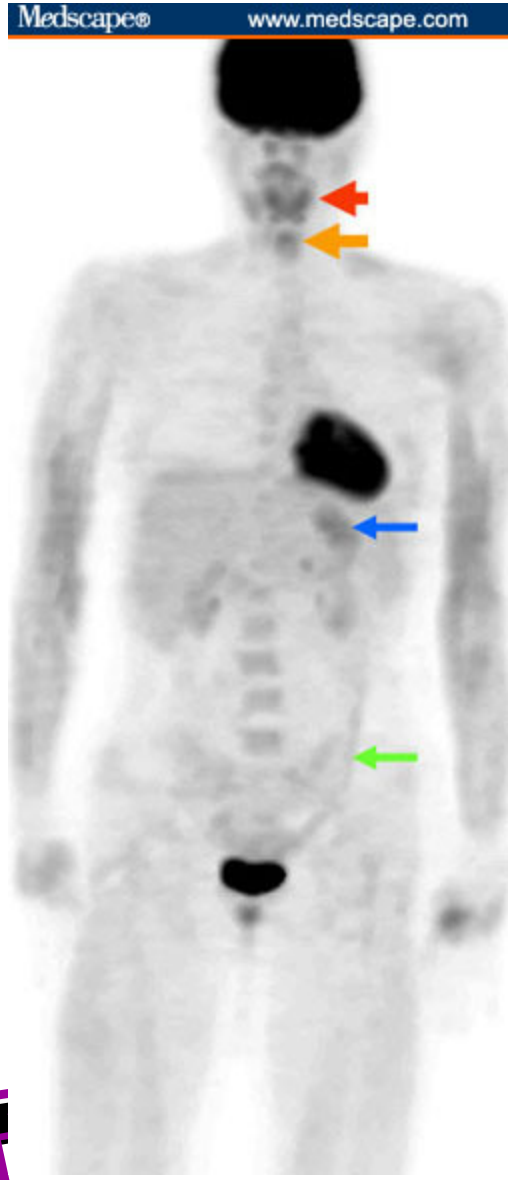
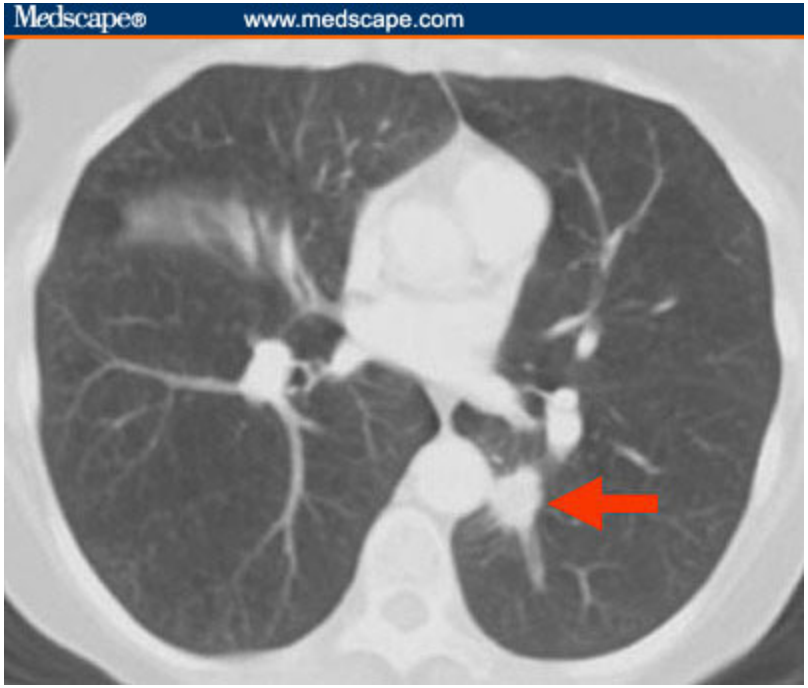
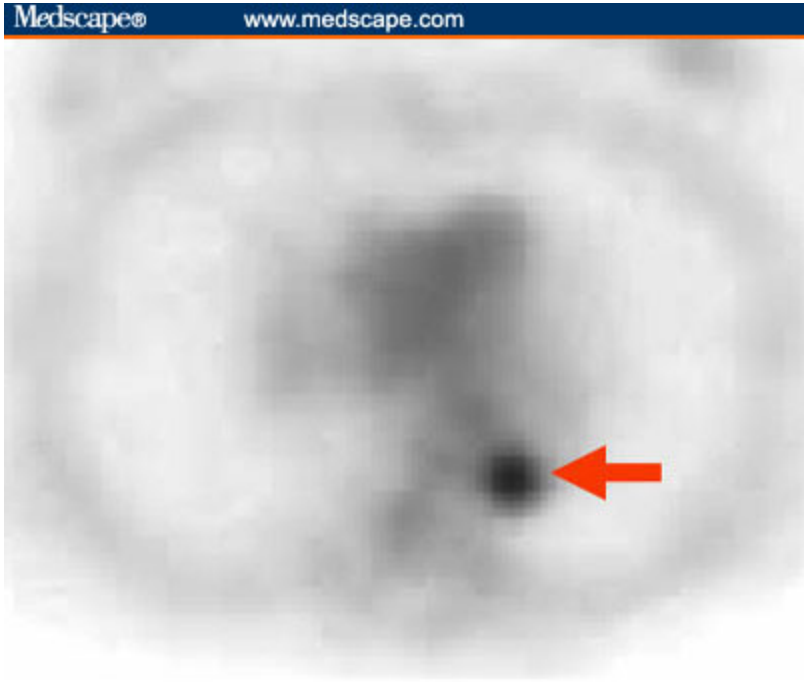


Fig 8. - Positron emission tomography showing melanoma metastasis to brain. Coronal PET scan of the brain shows increased uptake of FDG in the right frontal lobe (arrow) at site of recurrent metastatic melanoma. The cold defect (arrowhead) is at the location of previously treated metastasis. (Courtesy of Edwin Glass, MD, St. John's Hospital, Santa Monica, California.)

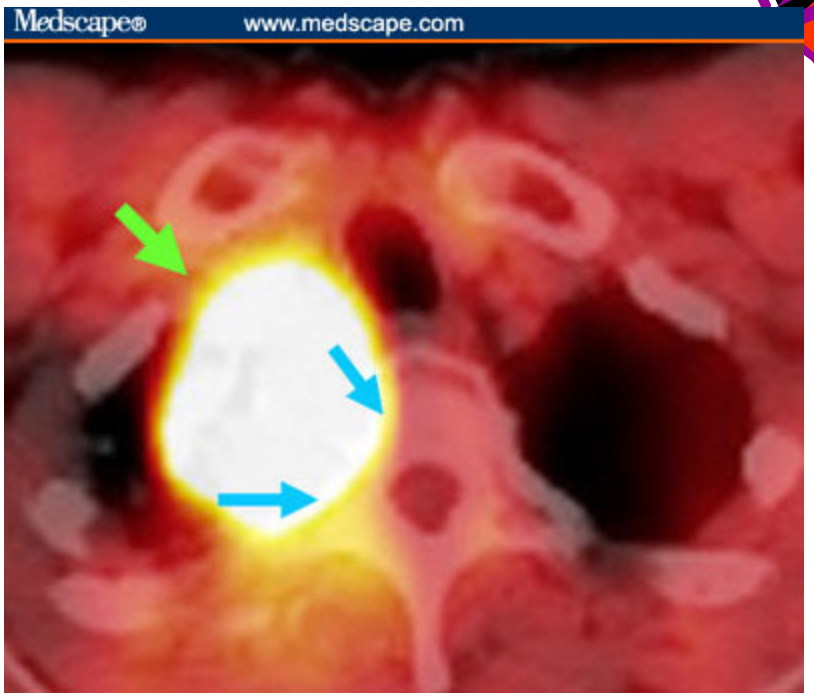

Medscape®
www.medscape.com

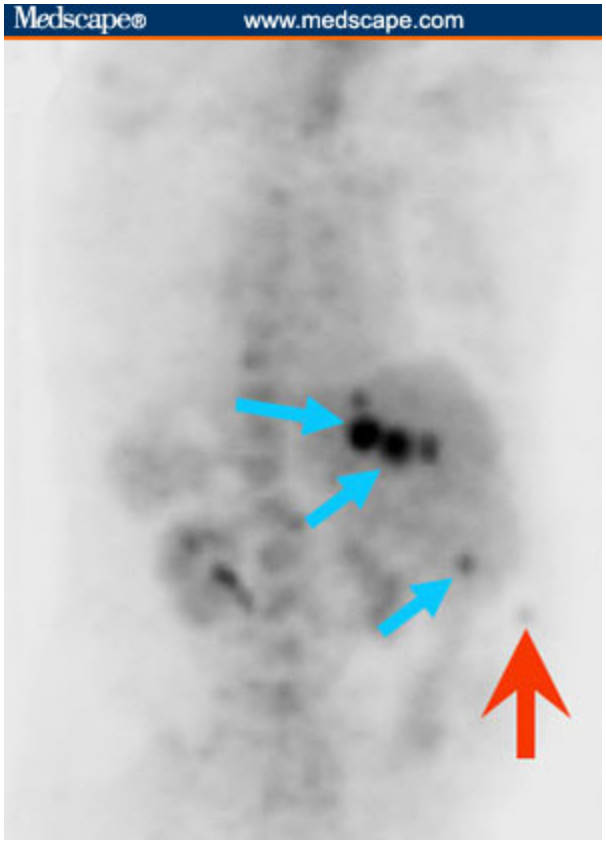

Medscape®
www.medscape.com

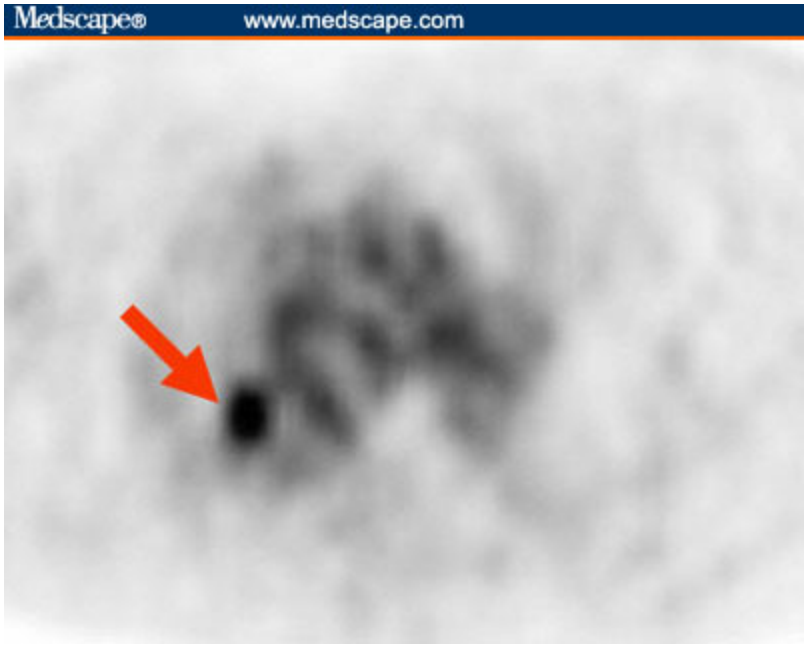

Medscape®
www.medscape.com

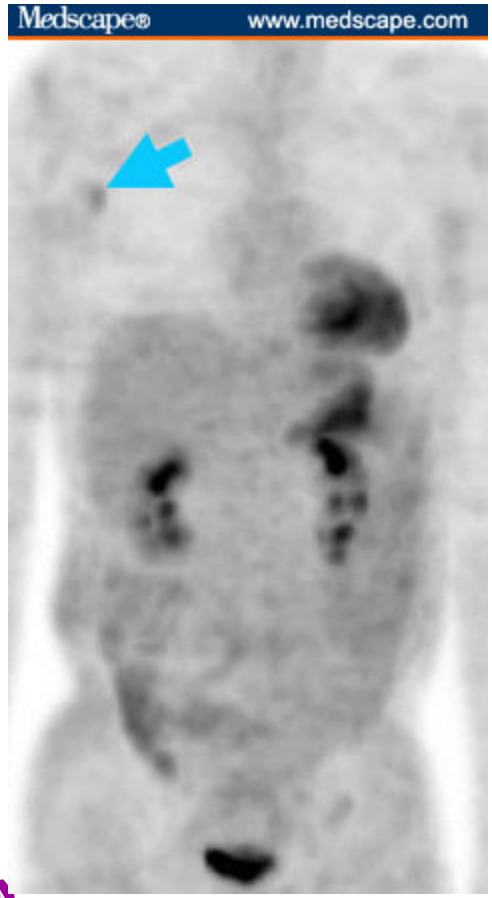

Medscape®
www.medscape.com

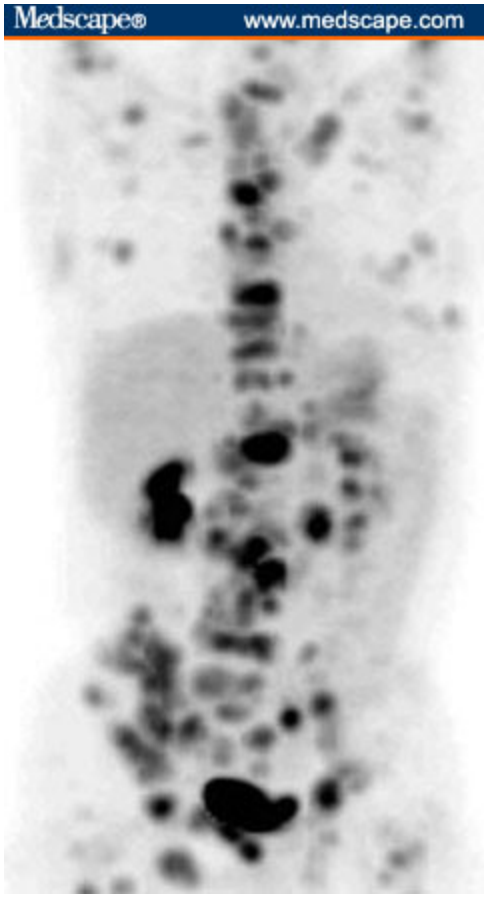

Medscape®
www.medscape.com


Medscape®
www.medscape.com

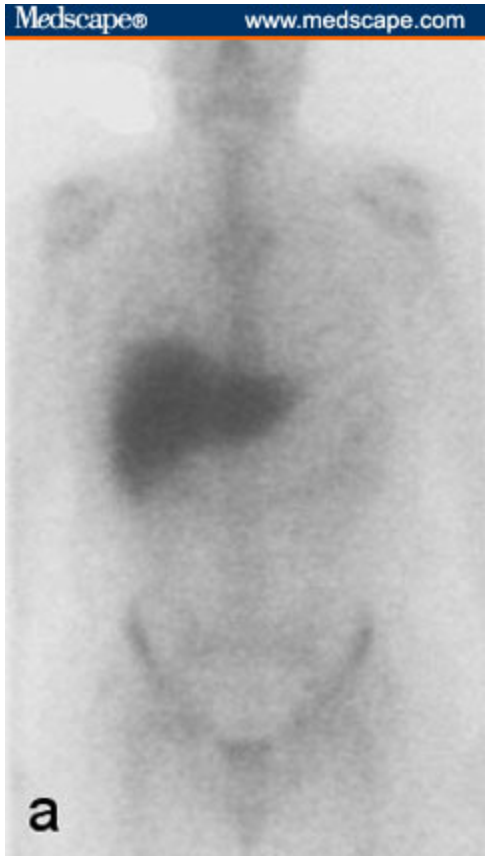

Medscape®
www.medscape.com


Medscape®
www.medscape.com

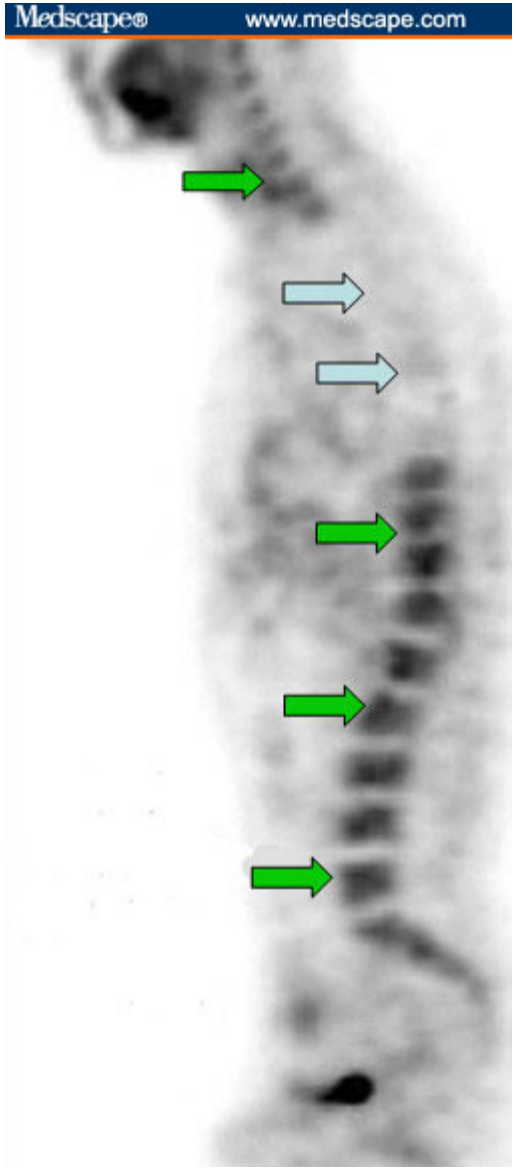

Medscape®
www.medscape.com

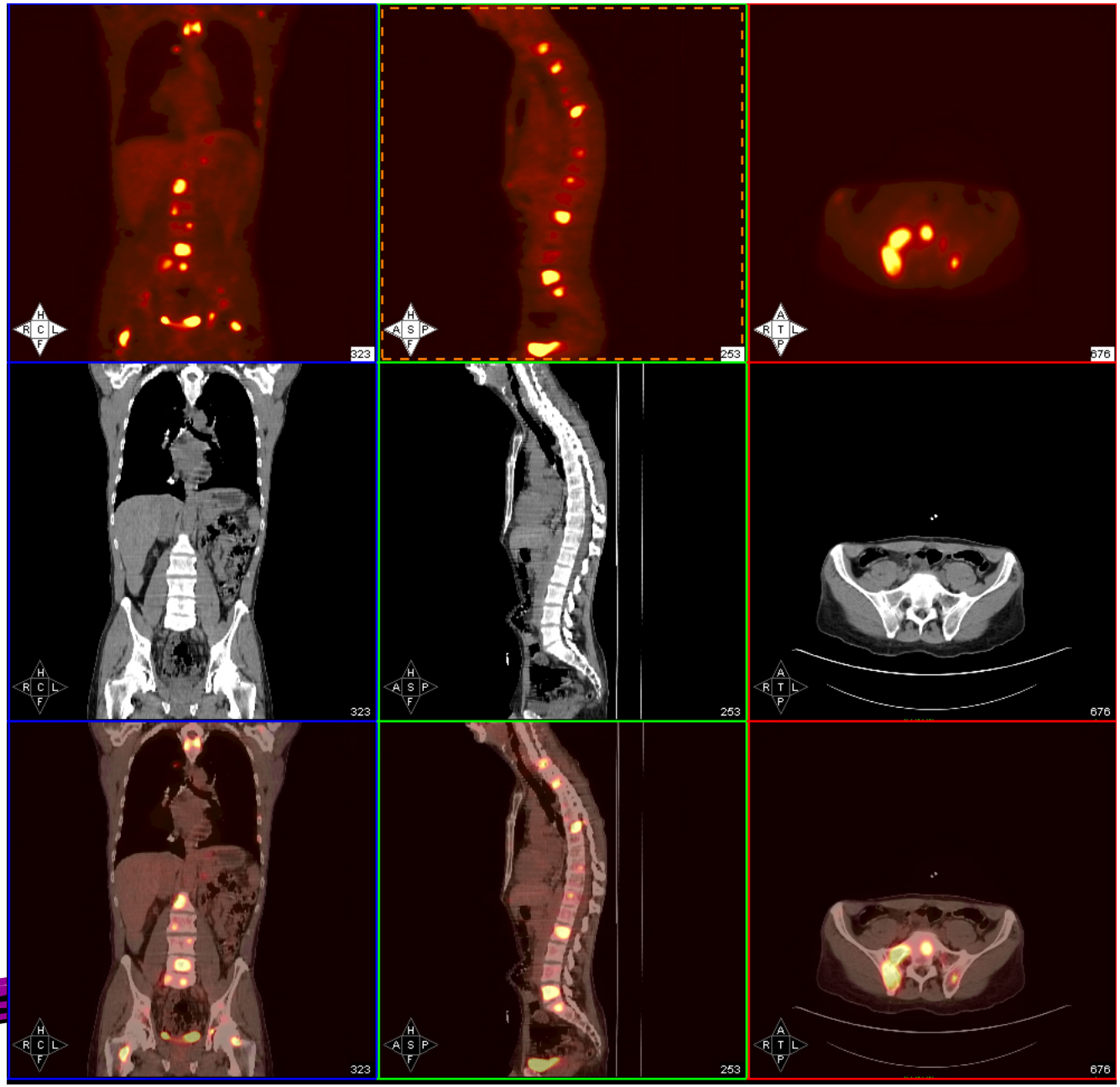

Medscape®
www.medscape.com


Medscape®
www.medscape.com
b

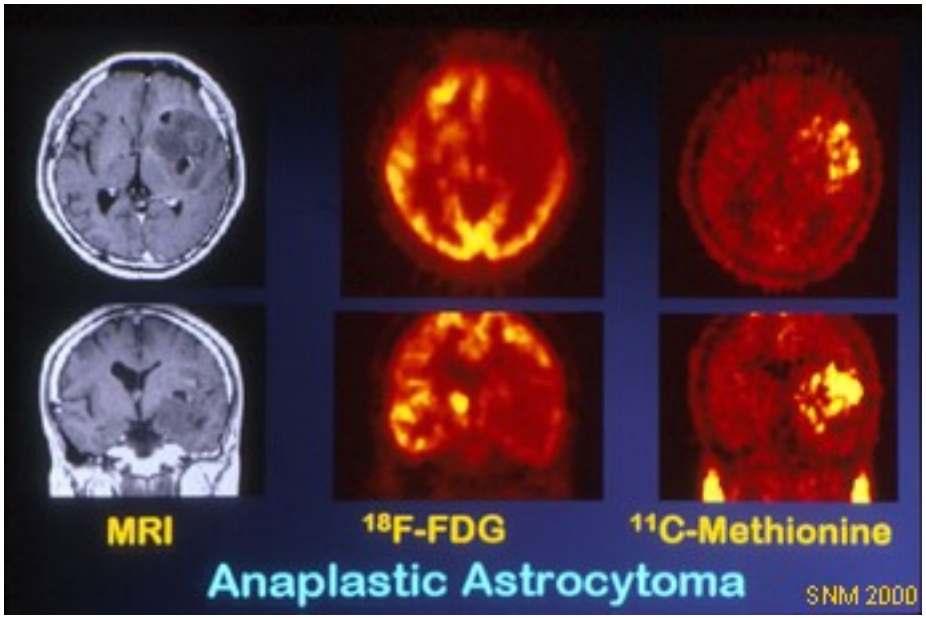

Medscape®
www.medscape.com
a

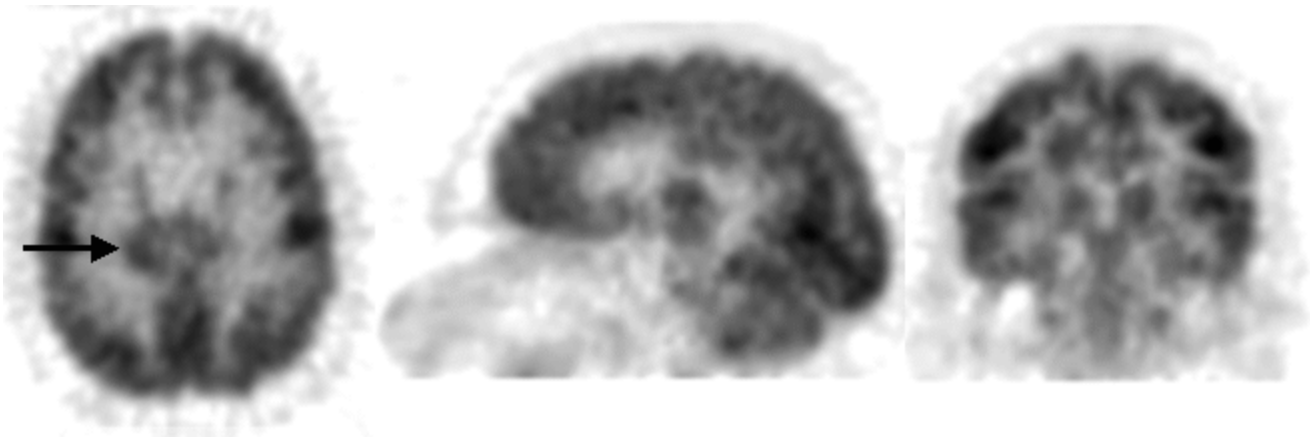

Medscape®
www.medscape.com
c


Medscape®
www.medscape.com

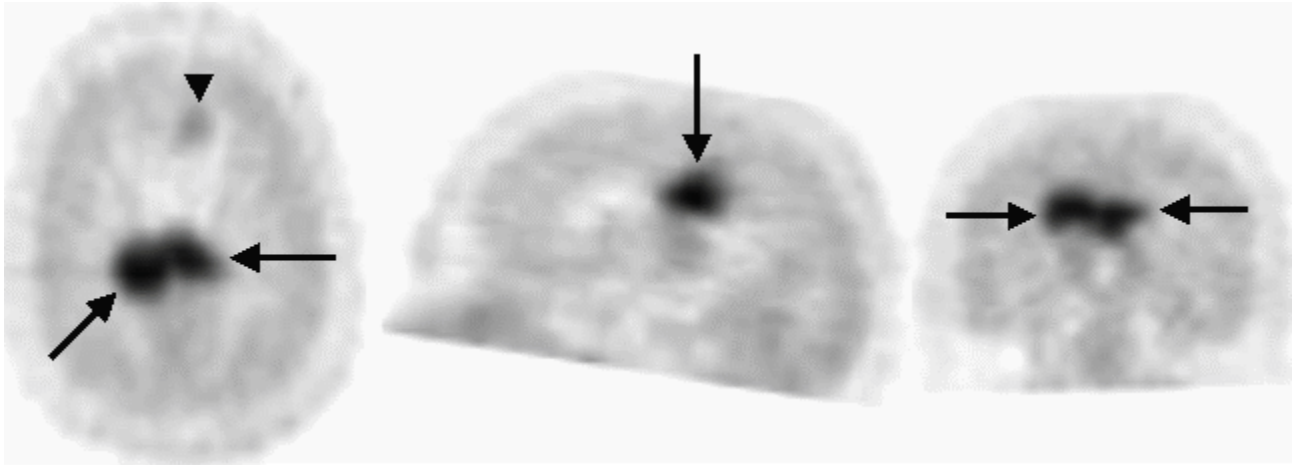


CA MAMMAE

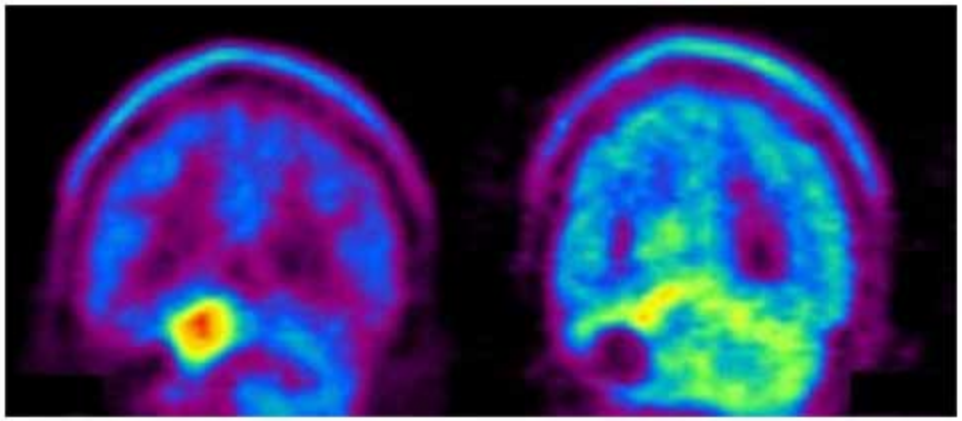

MRI
18F-FDG
11C-Methionine
Anaplastic Astrocytoma
SNM 2000



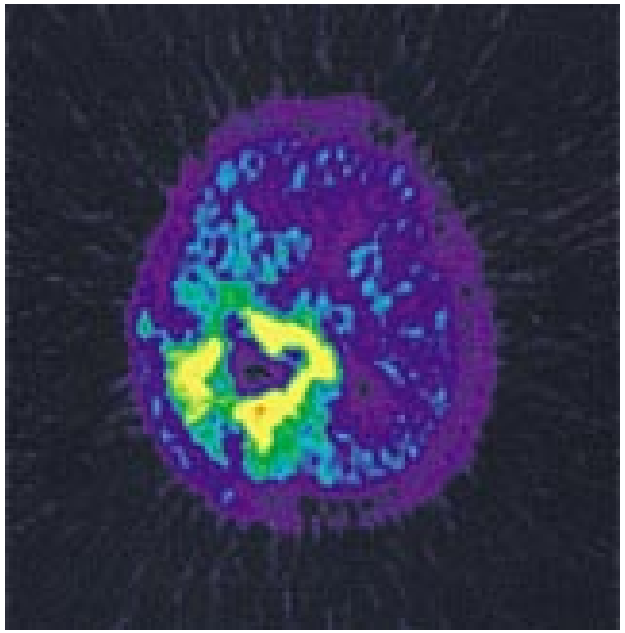
C11 METIONIN

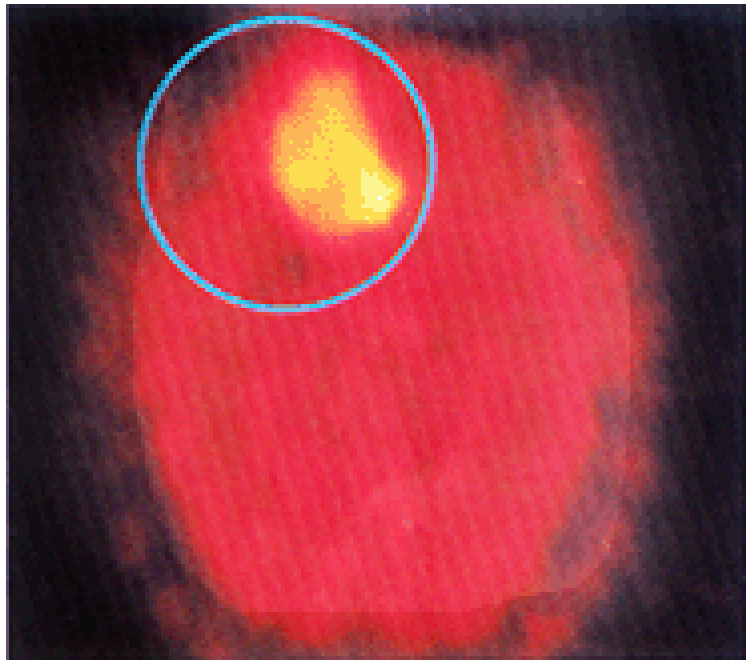


C11 METIONIN



Astrocitom C11 METIONIN





PET C 11 metionin