

Detectarea imunohistochimica a hormonilor si markeri de proliferare in diferite tipuri de tumori hipofizare

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Introducere

- Adenoamele hipofizare sunt tumori epiteliale benigne:
 - » Secretante -> monohormonale;
-> plurihormonale;
 - » Nesecretante –mute clinic.

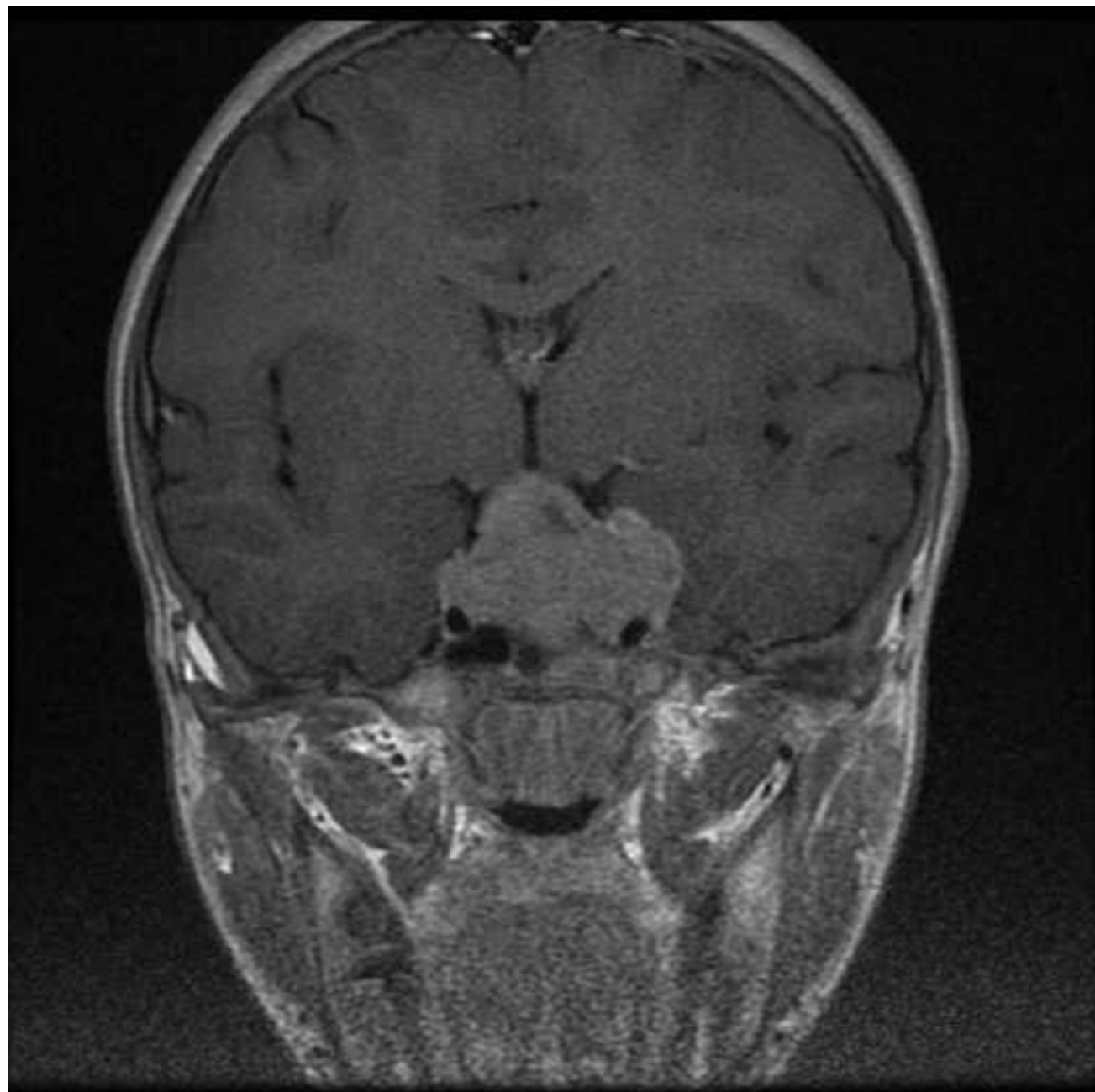
Criterii de invazivitate

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graph TD; A[Criterii de invazivitate] --> B[Neuroradiologice (RMN, CT)]; A --> C[Neurochirurgicale]; A --> D[Anatomo-patologice];
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**Neuroradiologice
(RMN, CT)**

Neurochirurgicale

**Anatomo-
patologice**



Objective

1. Documentarea **secretiei tumorale** comparativa cu **aspectul imunohistochimic** al adenoamelor hipofizare;
2. Evaluarea diferentelor dintre **criteriile neuroradiologice** si nivelul de expresie al **markerilor de proliferare**.

Materialie si metode

- Probele tumorale recoltate
1. Fixare si includere;
 2. Sectionare si montare;
 3. Deparafinare si rehidratare;
 4. Colorare imunohistochimica;
 5. Contracolorare.

Materialie si metode

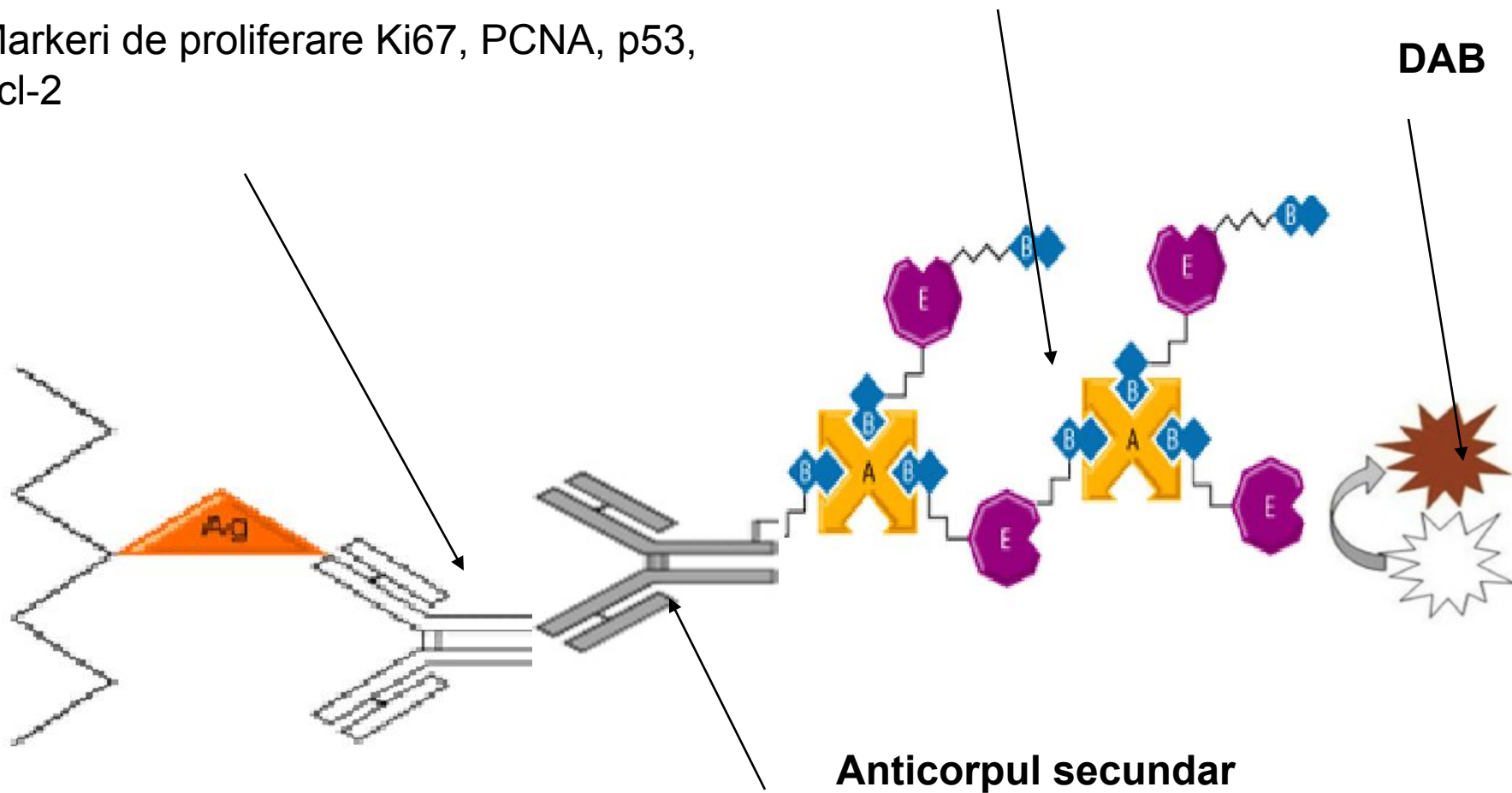
- Probele tumorale recoltate
1. Fixare si includere;
 2. Sectionare si montare;
 3. **Deparafinare si rehidratare;**
 4. Colorare imunohistochimica;
 5. Contracolorare.

Hormoni hipofizari GH, PRL, FSH, LH,
alfa SU;

Markeri de proliferare Ki67, PCNA, p53, bcl-2

Complexe avidin-biotina cuplate cu peroxidaza

DAB

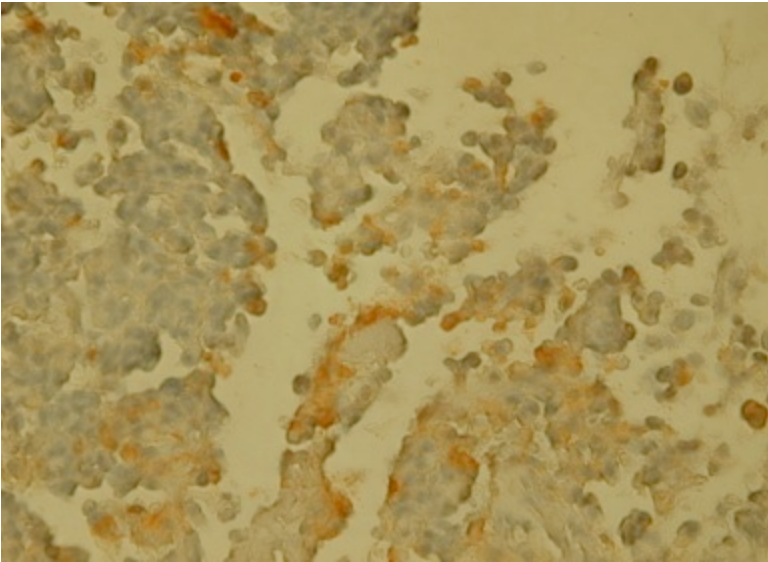


Rezultate I

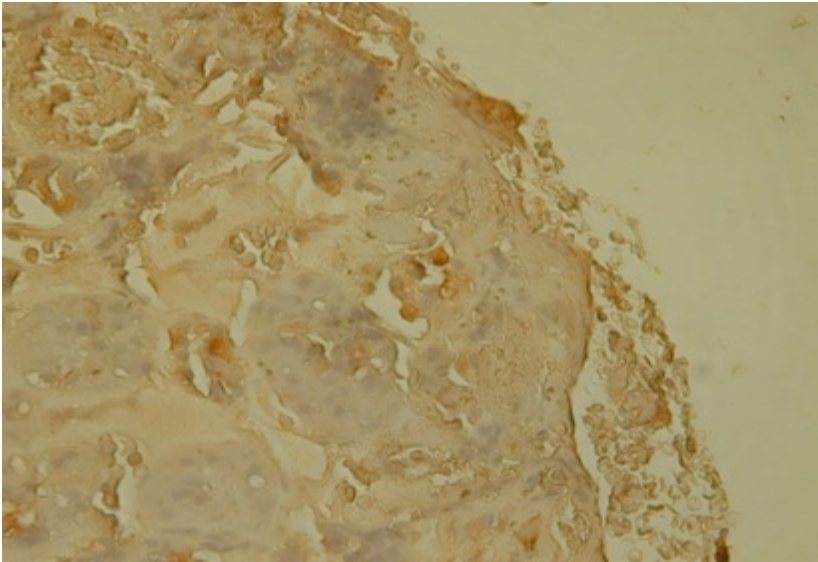
**Pacienti diagnosticati
cu Macroadenom
hipofizar secretant
de GH**

Nr./ H	GH	PRL	FSH	LH	α sub
1	+++	+	0	0	0
2	+++	+	0	0	0
3	+++	+	0	0	+
4	+++	0	0	0	0
5	++	0	0	0	0
6	++	0	0	0	0
7	++	0	0	+	+

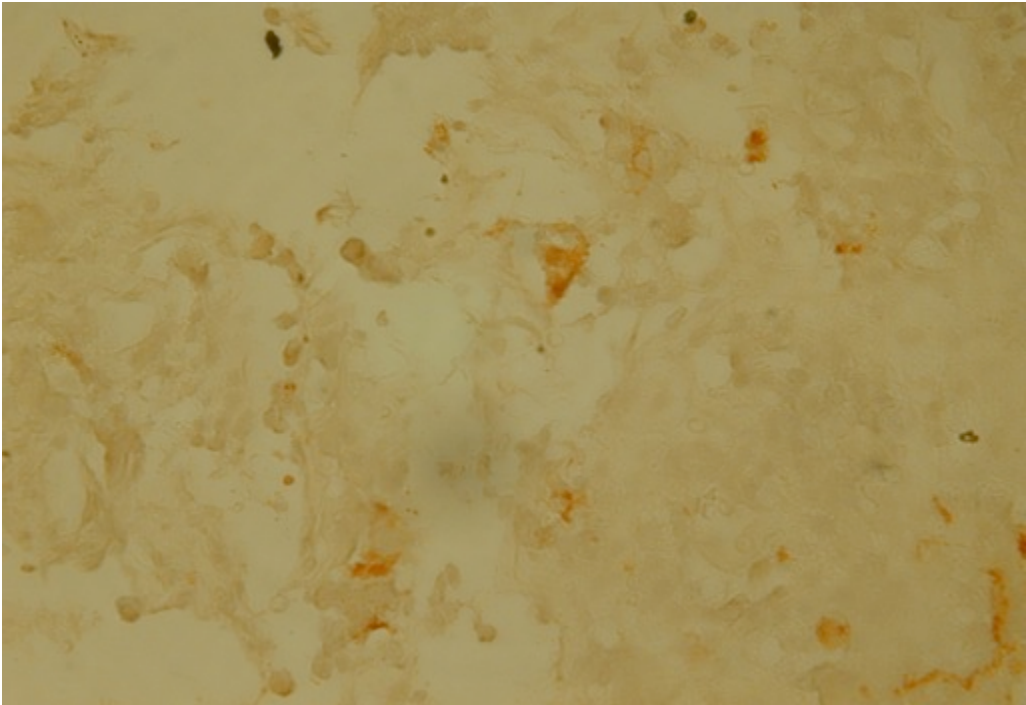
GH



LH



a SUB

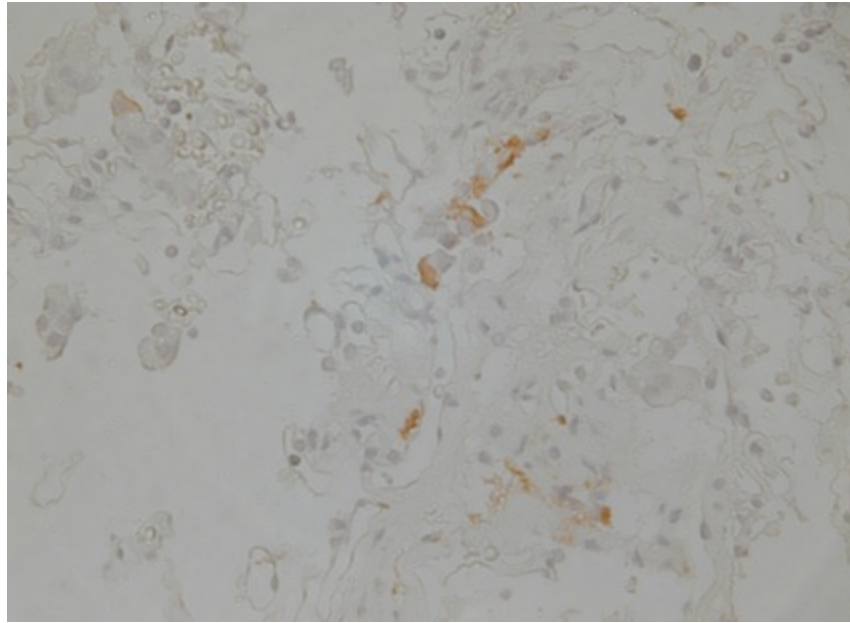


Rezultate II

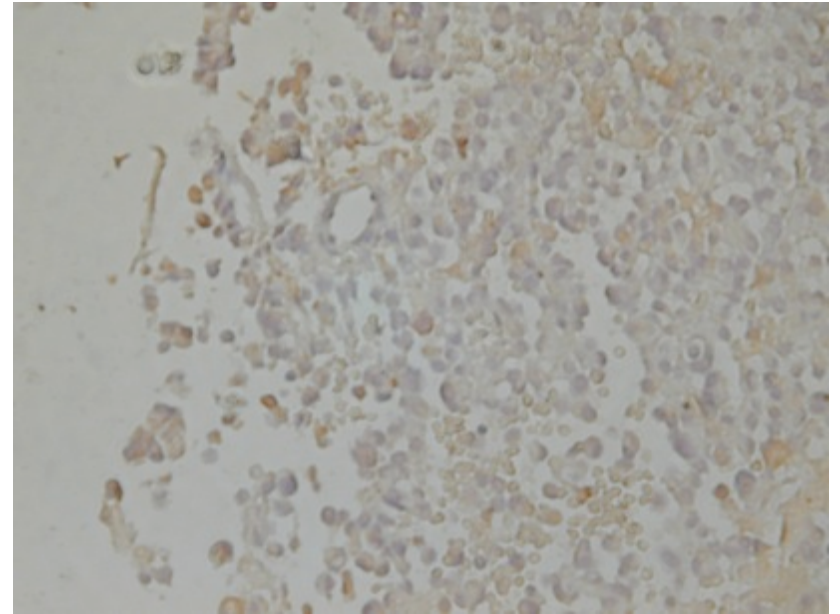
**Pacienti
diagnosticati cu
Macroadenom
hipofizar
nefunctional**

Nr./H	GH	PRL	LH	FSH	α sub
1	0	+	0	0	0
2	+	+	0	0	0
3	+	+	0	0	0
4	+	0	+	0	0
5	0	0	+	0	+
6	0	0	0	0	0

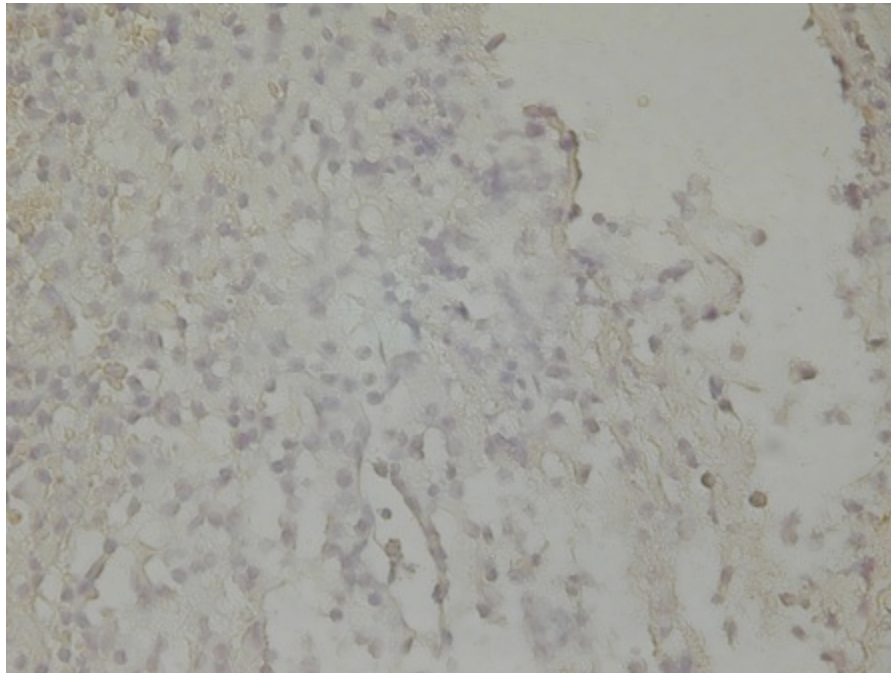
GH



PRL



LH

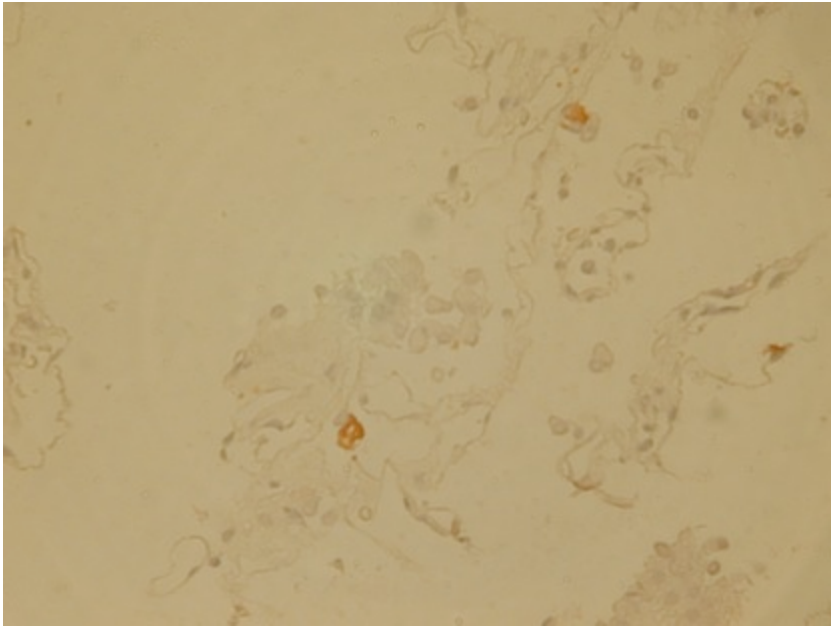


Rezultate III

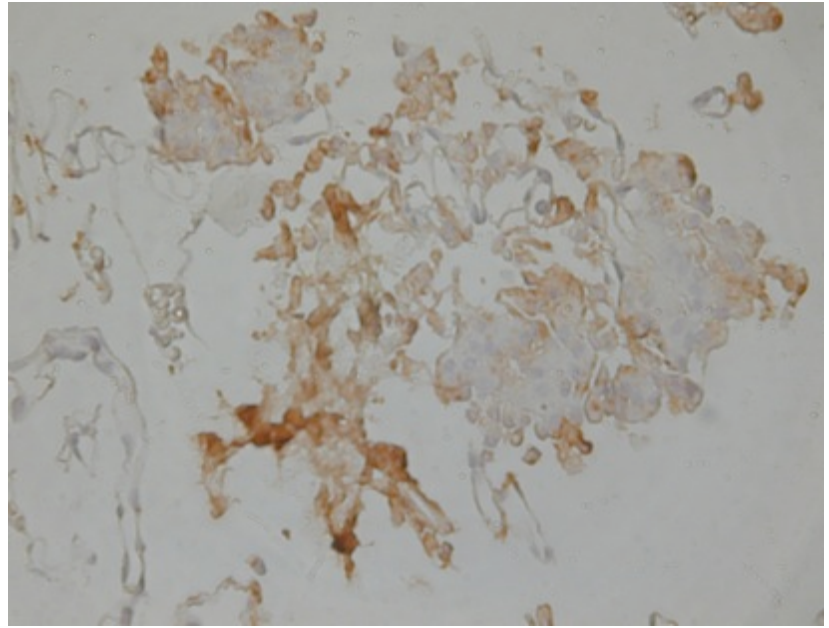
**Pacienti
diagnosticati cu
Macroprolactinom**

Nr./H	GH	PRL	LH	FSH	α sub
1	0	+++	0	0	0
2	+	+++	+	0	0
3	0	+++	+	+	0

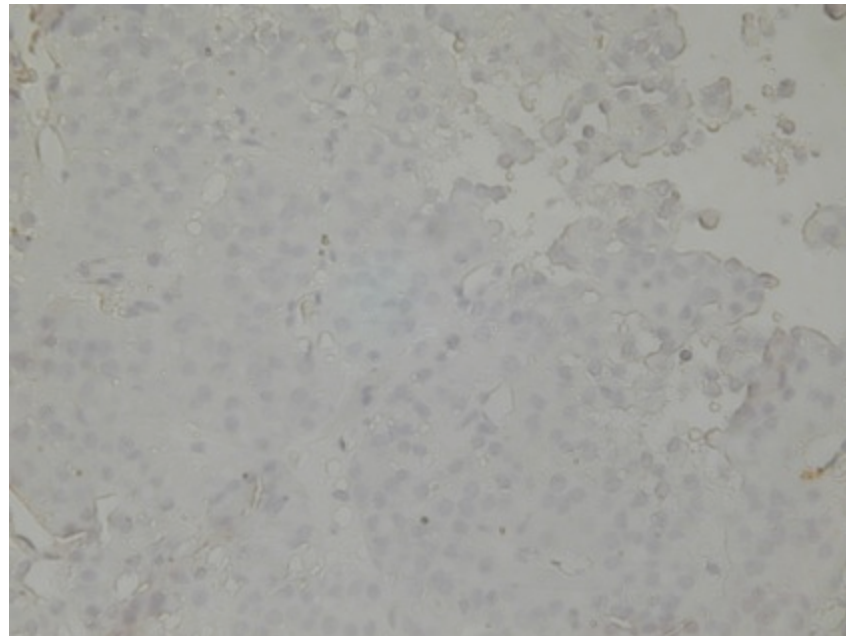
GH



PRL



FSH



FEATURES OF THYROTROPINOMA IN CHILD

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1 "C. Davila" University of Medicine and Pharmacy, Endocrinology, Bucharest, Romania, 2 Maria Sklodowska-Curie Hospital, Neurosurgery, Bucharest, Romania, 3 "Gr. T. Popa" University, Endocrinology, Iassy, Romania, 4 "C. Davila" University of Medicine and Pharmacy, Bucharest, Romania, 5 National Institute of Endocrinology, Thyroid related disorders, Bucharest, Romania

European Thyroid Association 35th annual meeting Krakow, Poland

Precocious puberty and invasive thyrotropinoma

Simona Jercalau¹, Sergiu Stoica², Voichita Mogos³, Mihaela Spatarelu⁴, Iuliana Gherlan⁵, Corin Badiu^{1,5}

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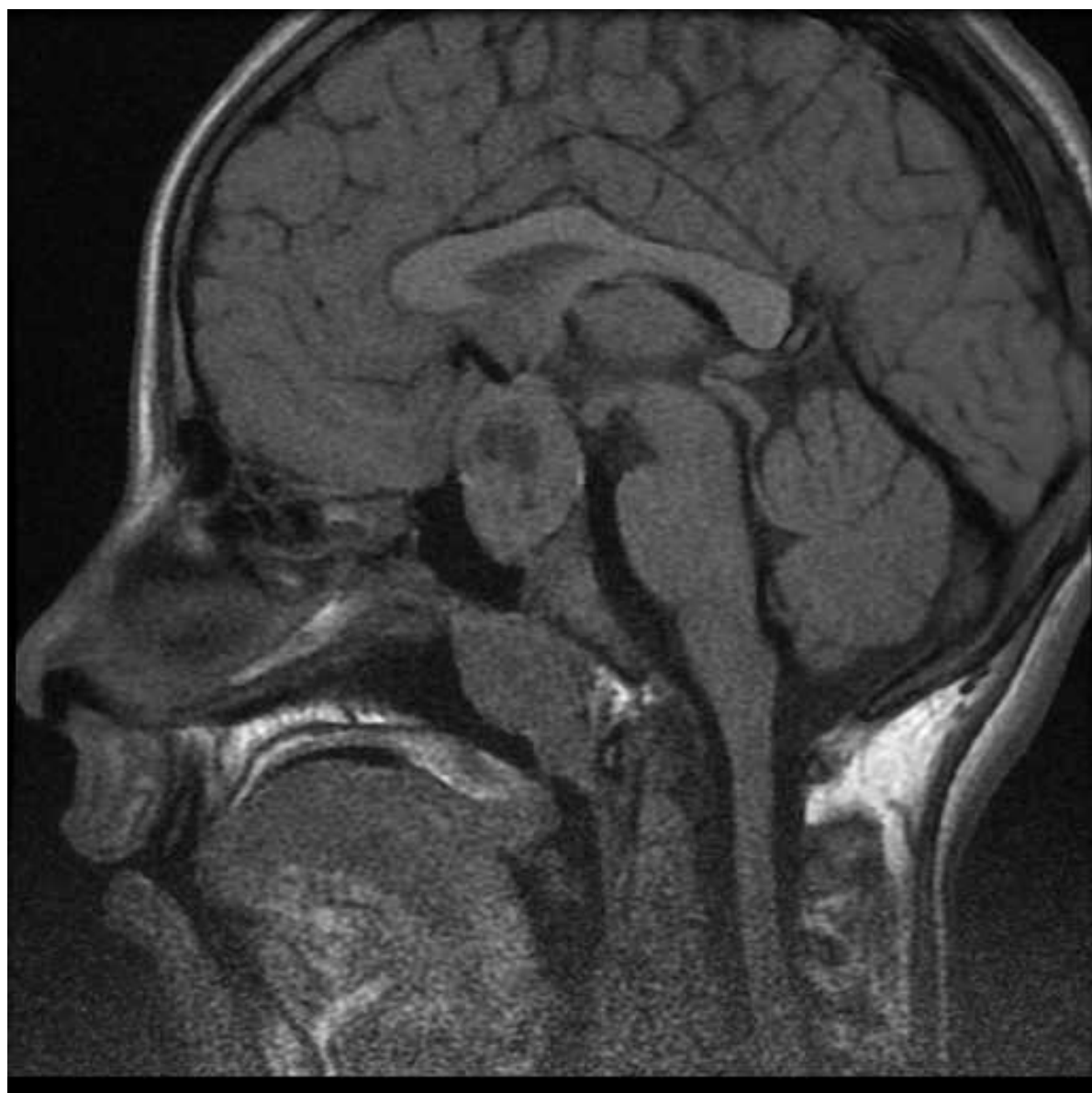
European NeuroEndocrine Association 2nd ENEA Workshop Munich, Germany

Dozari hormonale

• OGTT 75g	0'	30'	60'	90'	120'
GH plasmatic	12,3	13,1	14,1	13,8	14,7
IGF1=559 ng/ml(VN 52-297ng/ml)					
Secretie autonoma GH					

TSH= 2919mU/L (VN<75mU/L)

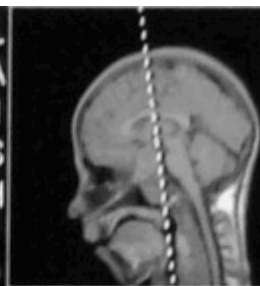
fT4= 9.38ng/dl (VN 0,8-2ng/dl)



HAL GRAL MEDICAL
11.04.14-17:02:44-DST-1.3.12.2.1107.512.40188088_ESSENZA
21/10/2003, F, 7Y

STUDY 1
14/04/2011
17:33:40
12 IMA 9 / 12

MR C11
HFS
+LPH



RA

MF 2.05

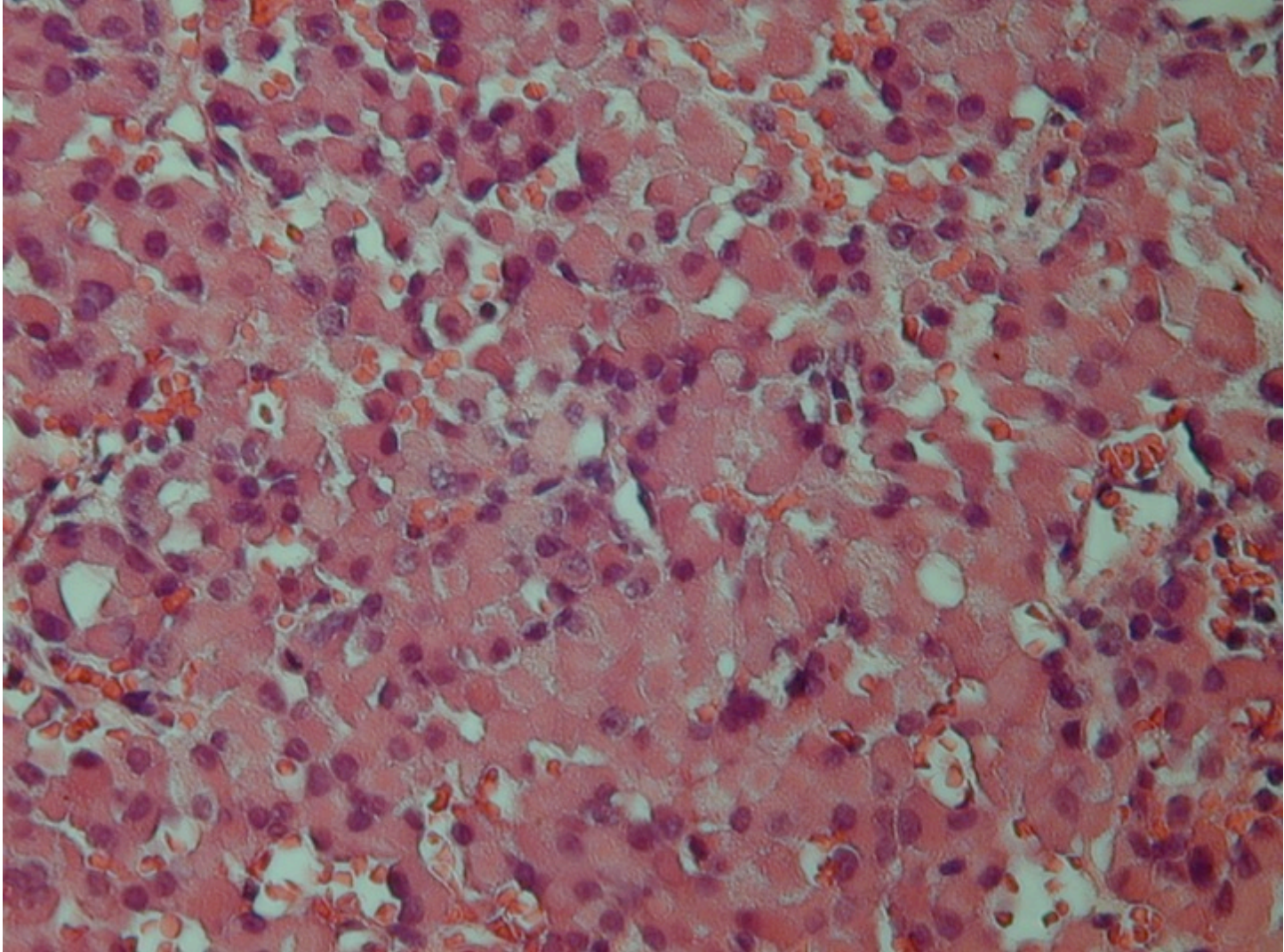
1cm

TR 756.0
TE 9.4
TA 44.82
BW 190.0
M/ND/NORM

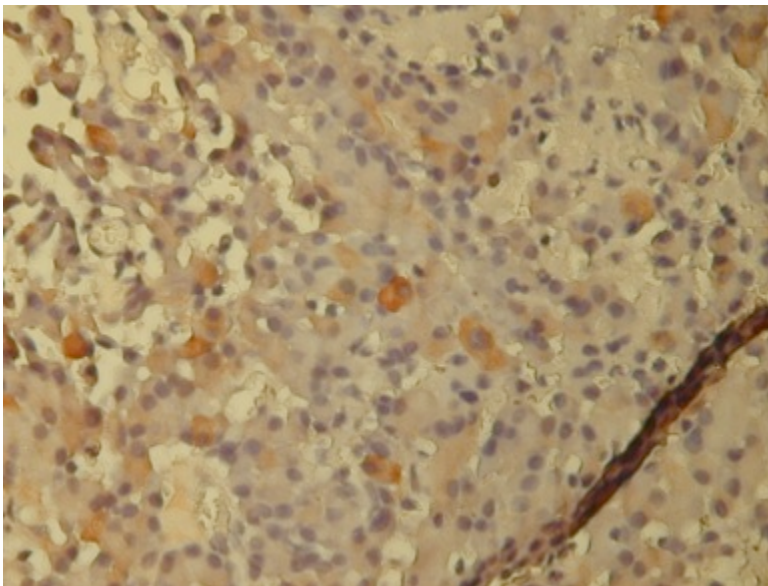
A2
T:HDL:HDU
tse2d1rr5 / 150

Multihance

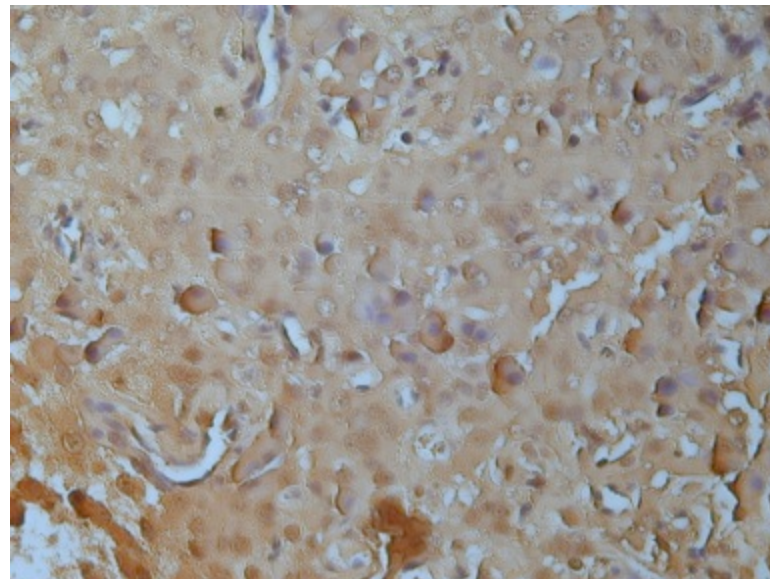
D/E
TP 0
SP P7.6
SL 3.0
FoV 164*210
300*384 I
Cor>Tra(-7.6)>Sag(5.6)
W 966
C 984



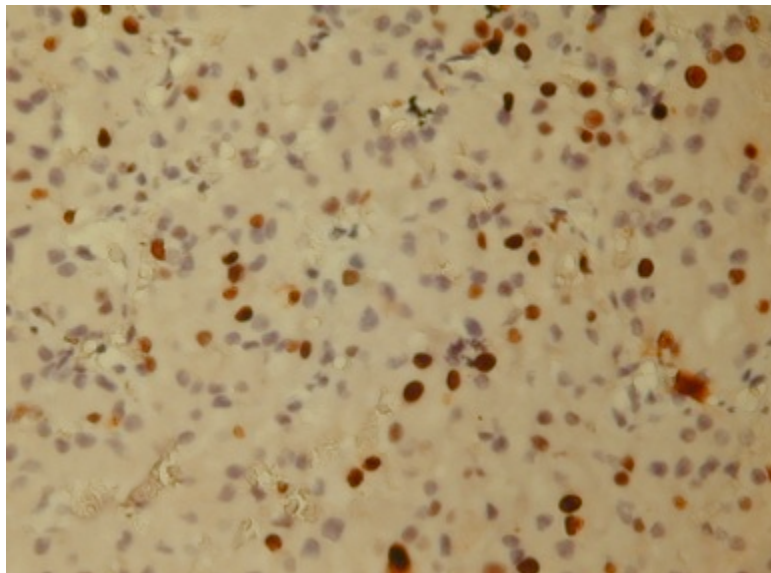
HE 40X



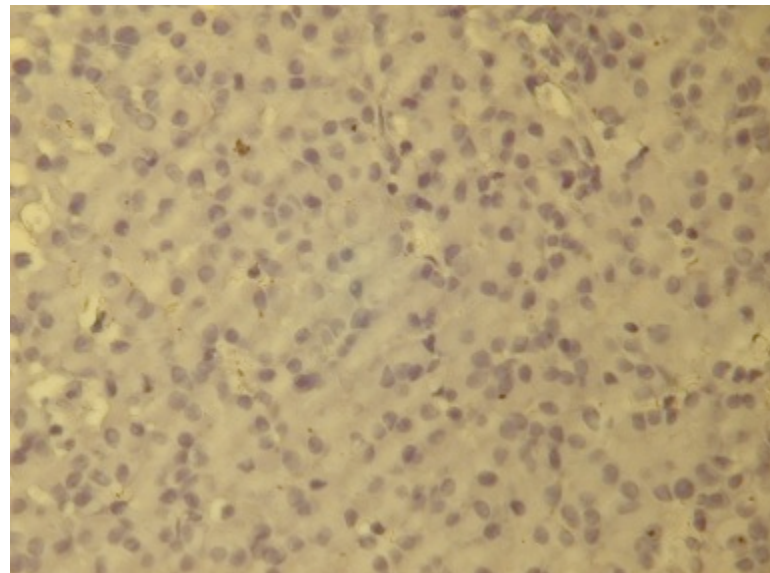
GH pozitiv



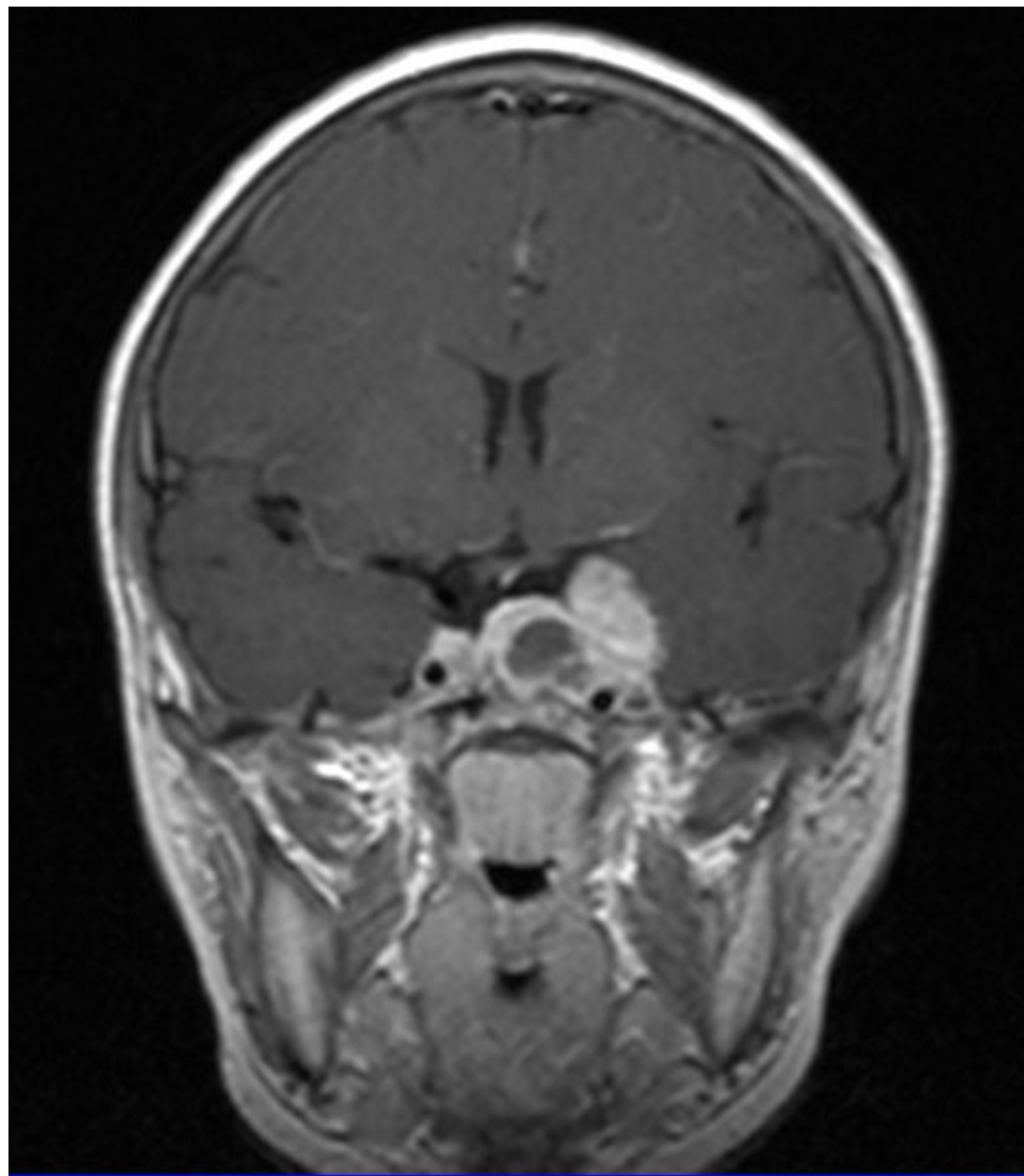
TSH pozitiv

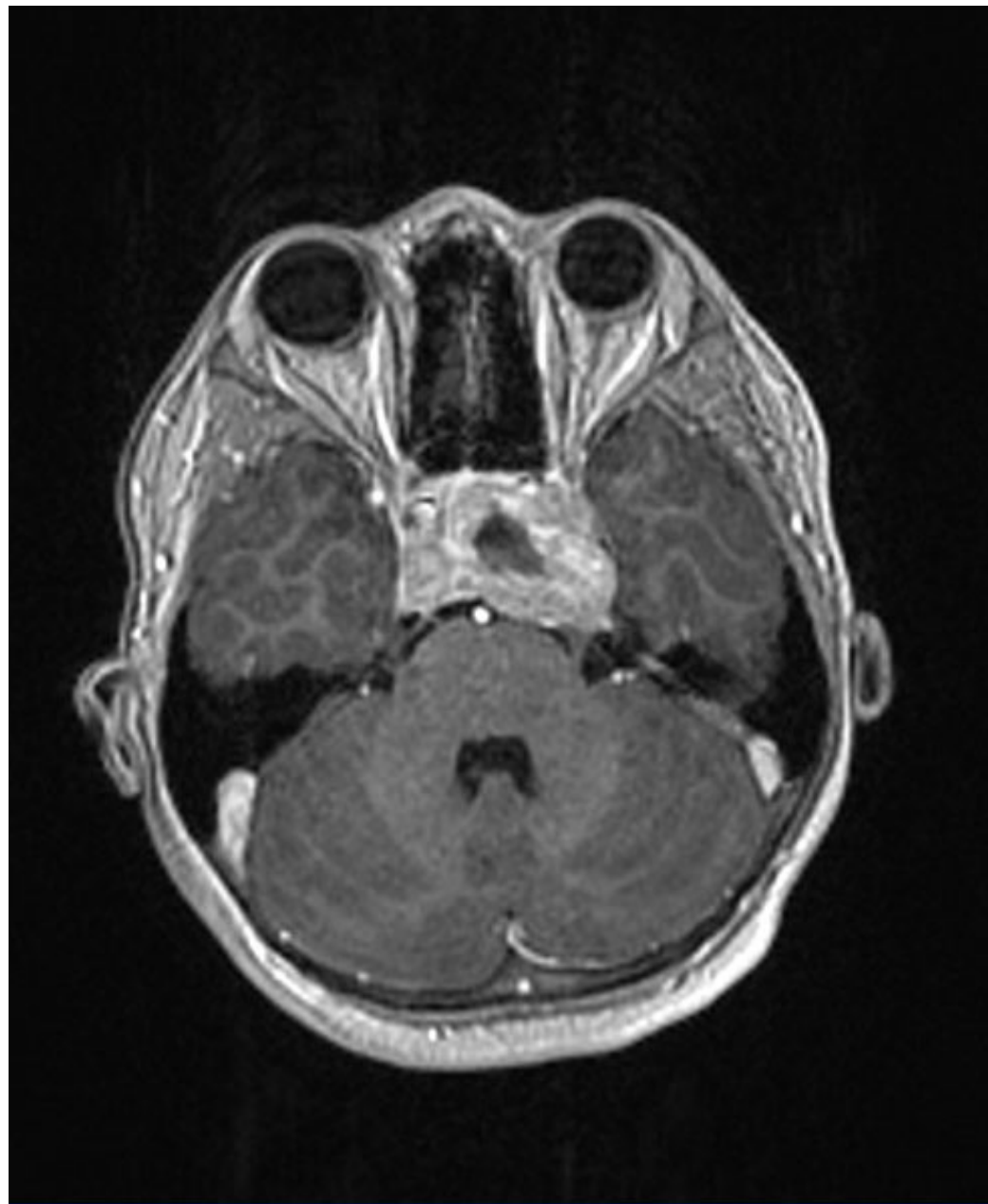


Ki67 20%



FSH negativ





Objective

- Pe vechiul bloc tumoral: alfa subunit, PCNA, SST2, SST5;
- Pe noul bloc tumoral:
 - » Hormoni hipofizari
 - » alfa subunit,
 - » Ki67,
 - » PCNA,
 - » SST2, SST5

- Multumim colectivului de la *Institutul National de Endocrinologie C. I. Parhon* pentru ajutorul acordat!
- Va multumesc pentru atentie!