

# CASO DO MÊS SBP

Dr<sup>a</sup>. Cynthia Koepfel  
Berenstein

Dr. Carlos Alberto  
Ribeiro



## Dados clínicos

- Paciente do sexo feminino de 50 anos
- “Revisão de tumor cerebral”
- Diagnóstico prévio: astrocitoma grau III
- Pedido de revisão de lâminas

# Exames de imagem

- Lesão expansiva heterogênea possivelmente sólido-cística intra-axial no hemisfério cerebelar direito circundada por edema sugestivo de edema vasogênico

P1R

M = 532 L = 266

Ex: 21108  
Se: 10  
In: 13  
OSeg: R19.3-C  
Contraste

LSP

HOSPITAL FELICIO RICO  
Elizabeth Amal Costa  
F. 50 N. 04-0896  
1995 02 Jan 1996  
29 Mar 04

S2L

H1R



RIA

M = 1240 L = 620

Ex: 21108  
Se: 11  
In: 14  
OCor: P41  
Comp: 211

HOSPITAL FELICIO ROCHO  
Elizab... General Costa  
F. 5... 04-0891  
DOB: 05 Jan 1954  
20 Mar 04

PSL

RS

RL

REC

M = 1045 L = 522



Ex: 21108  
Se: 5  
In: 15  
OCor P35/8

PSL

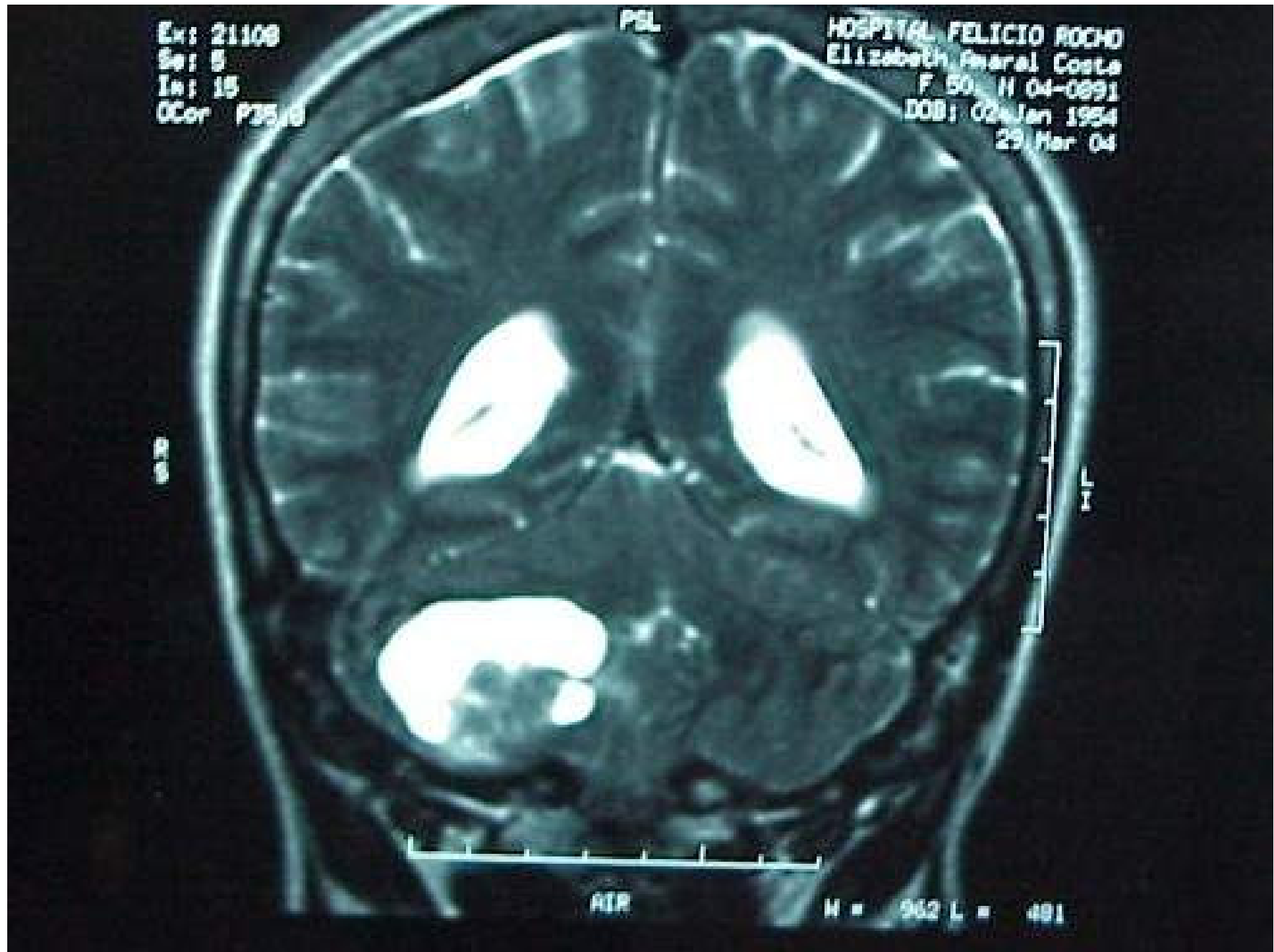
HOSPITAL FELICIO ROCHO  
Elizabeth Arenal Costa  
F. 50. H 04-0891  
DOB: 02 Jan 1954  
29 Mar 04

10/25

14/1

AIR

M = 262 L = 481



# Exames de imagem

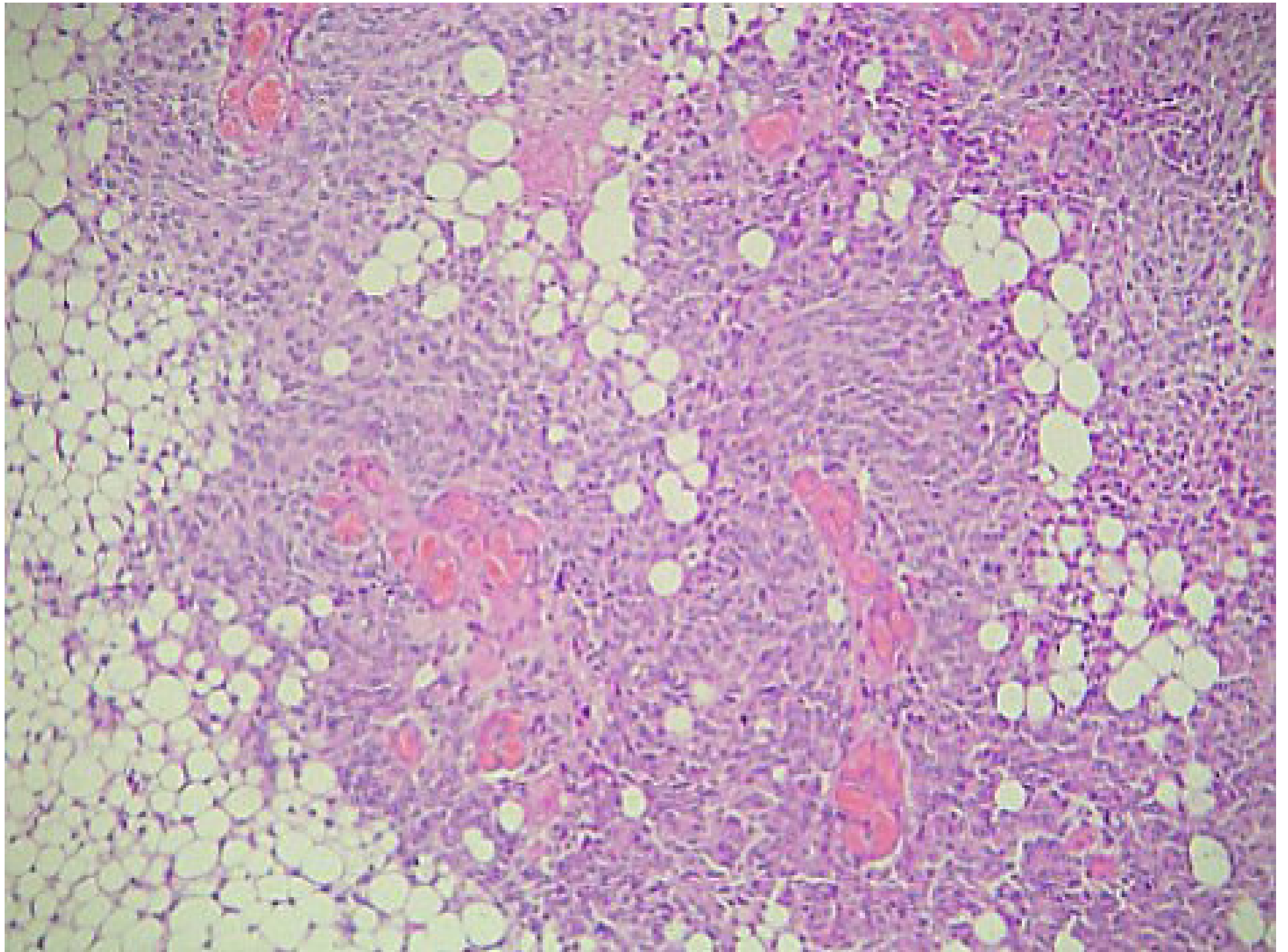
- O conjunto exerce efeito de massa sobre as estruturas adjacentes, havendo desvio do IV ventrículo e do tronco cerebral para a esquerda
- **HD**: Astrocitoma? Hemangioblastoma? Outros?

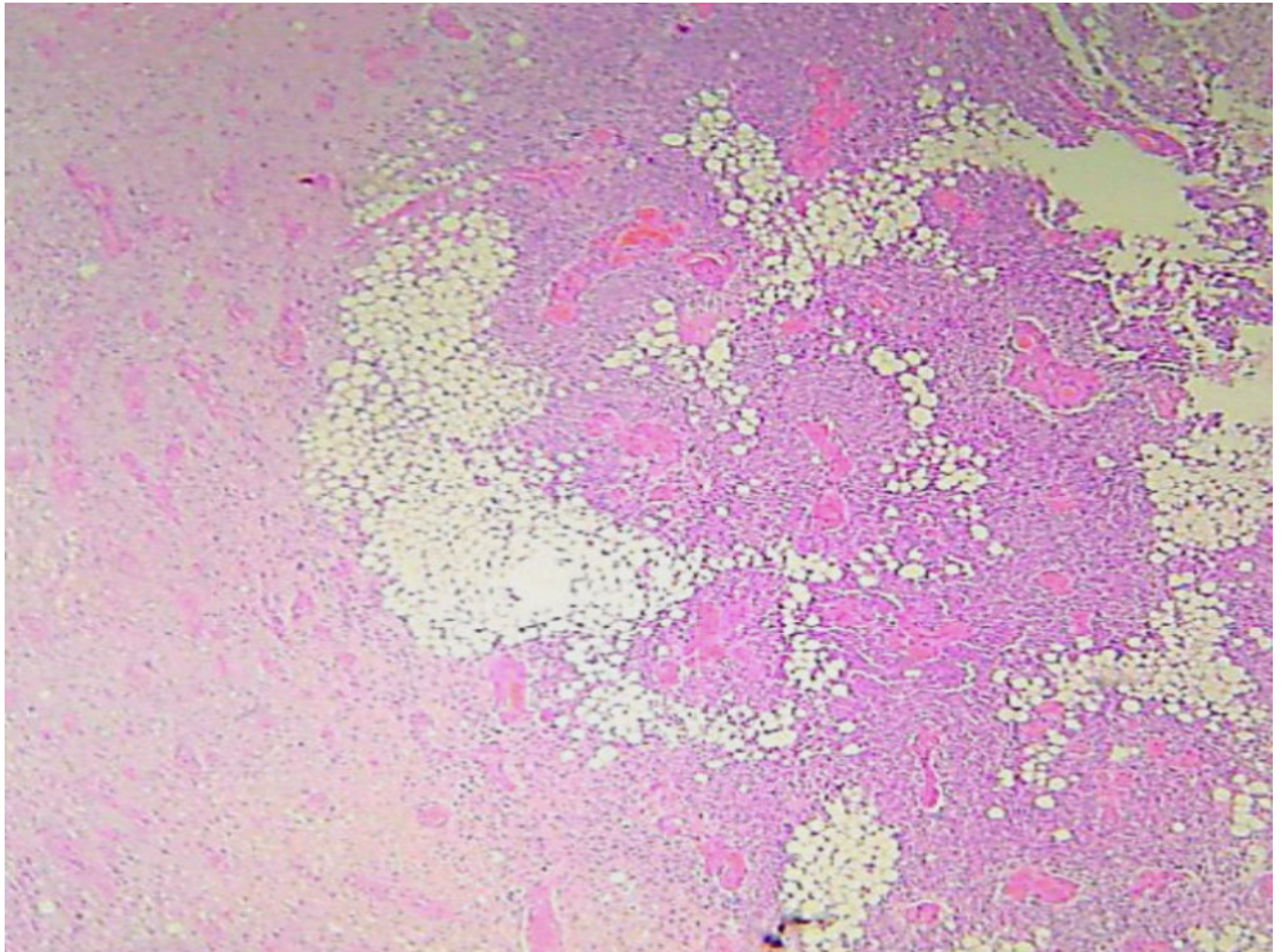


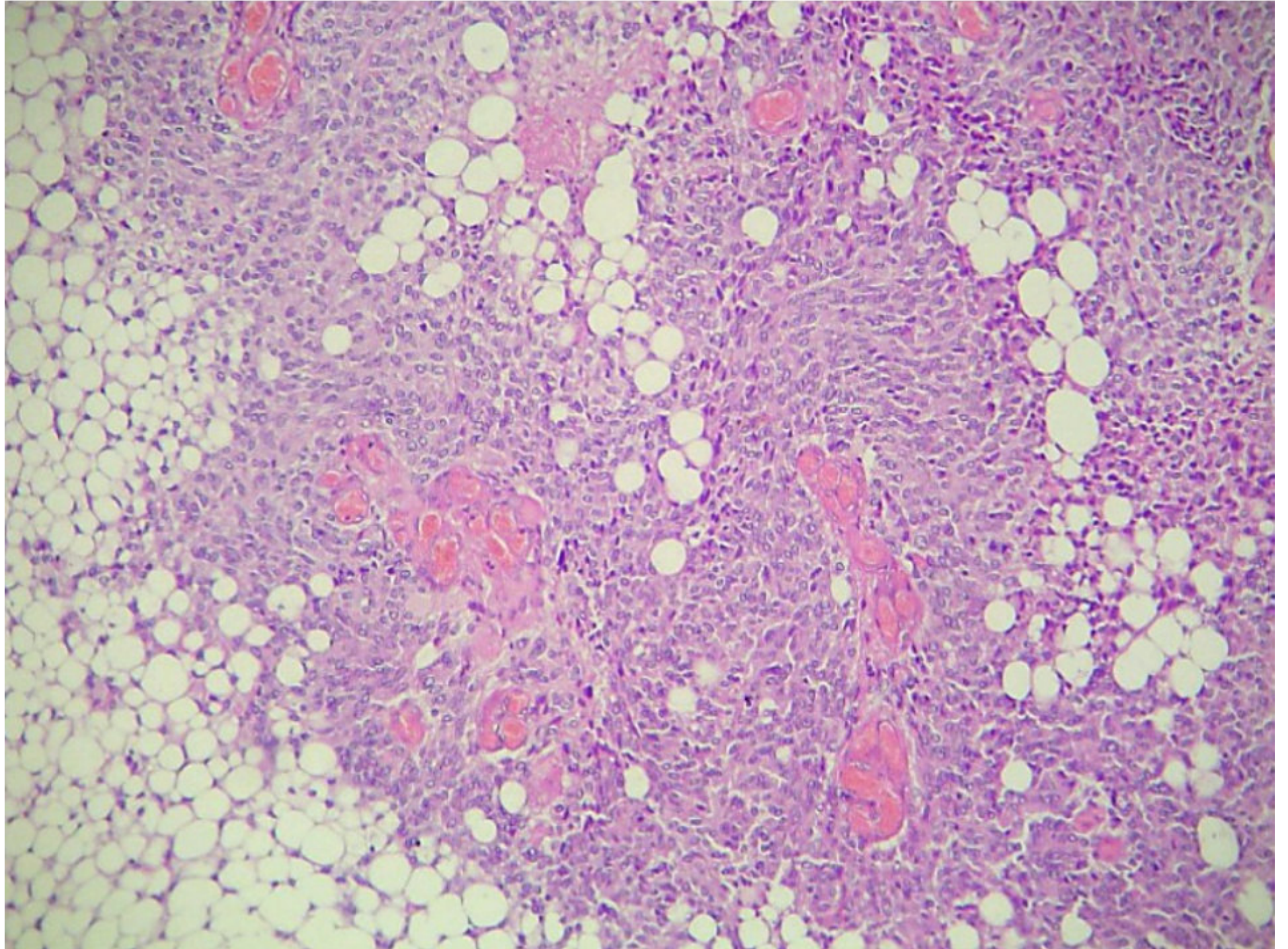
# MICROSCOPIA

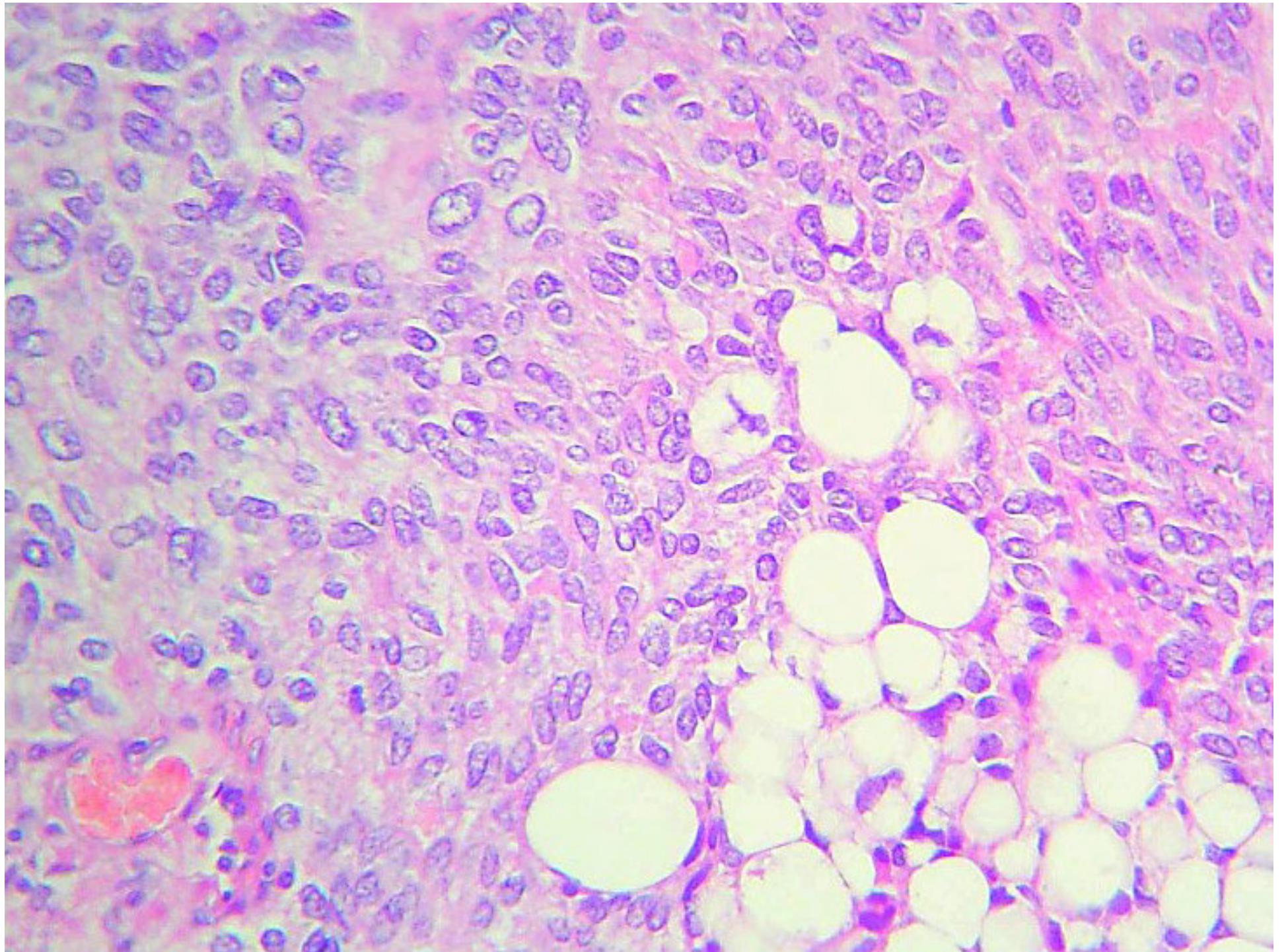


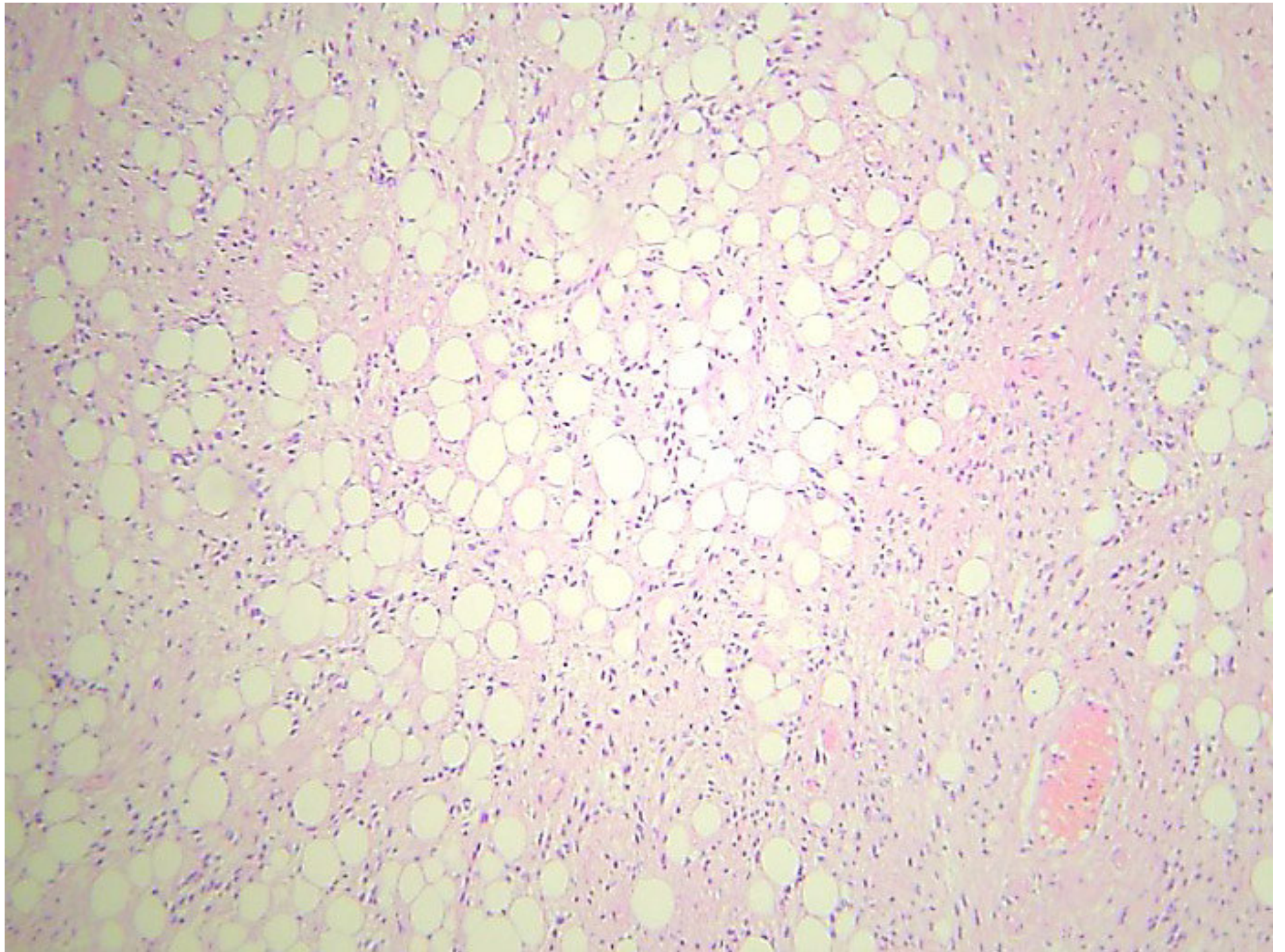


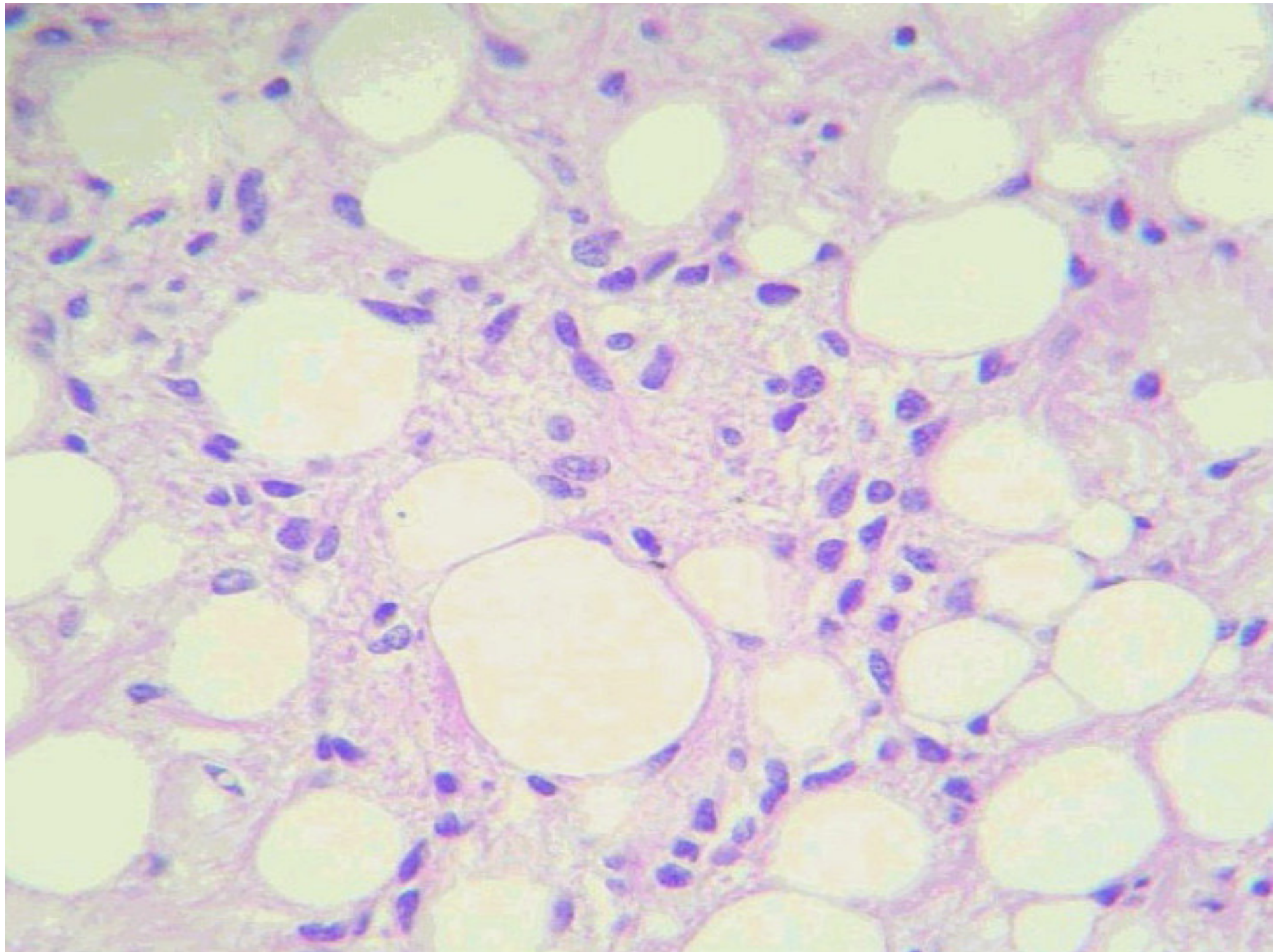


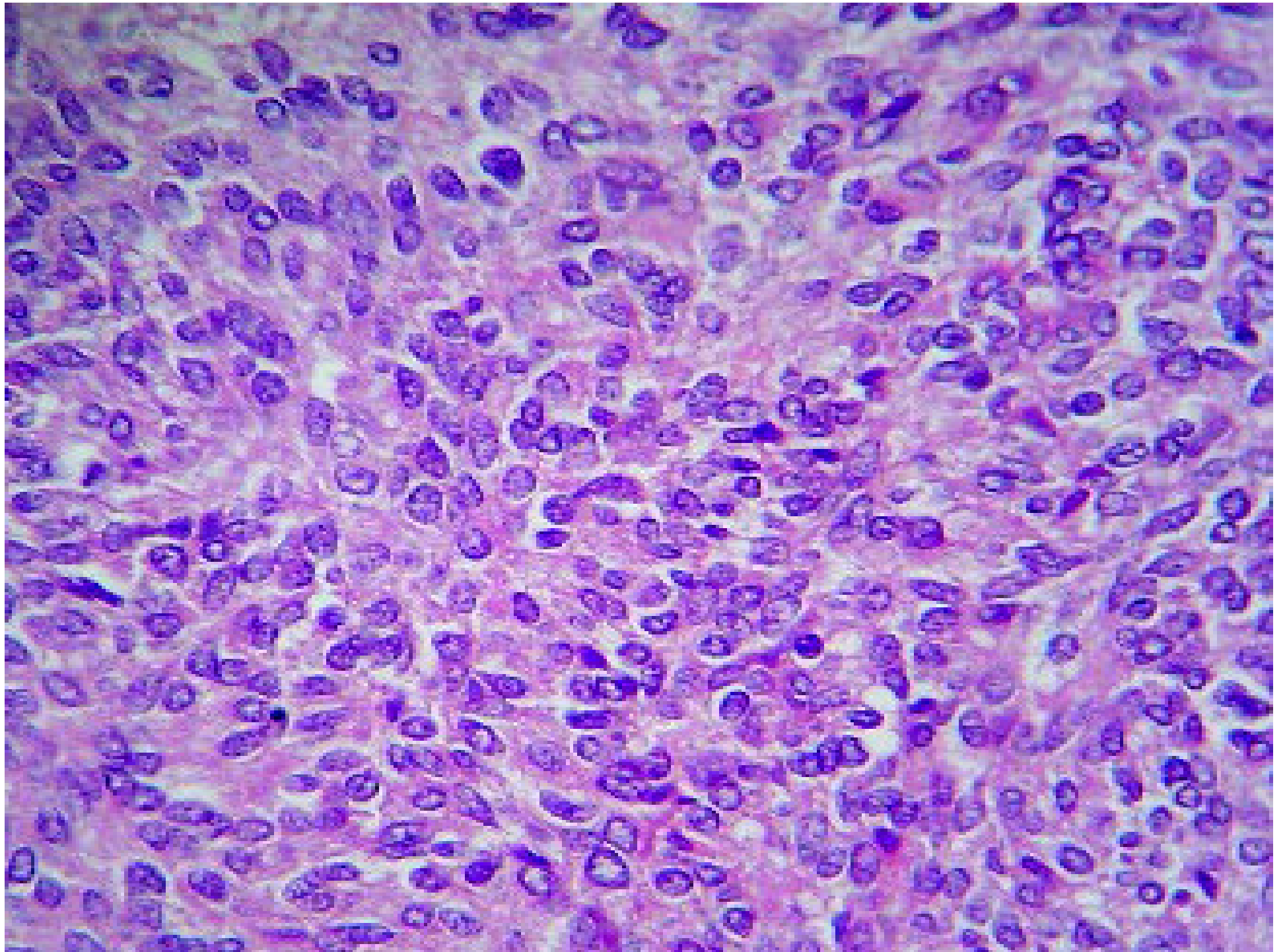


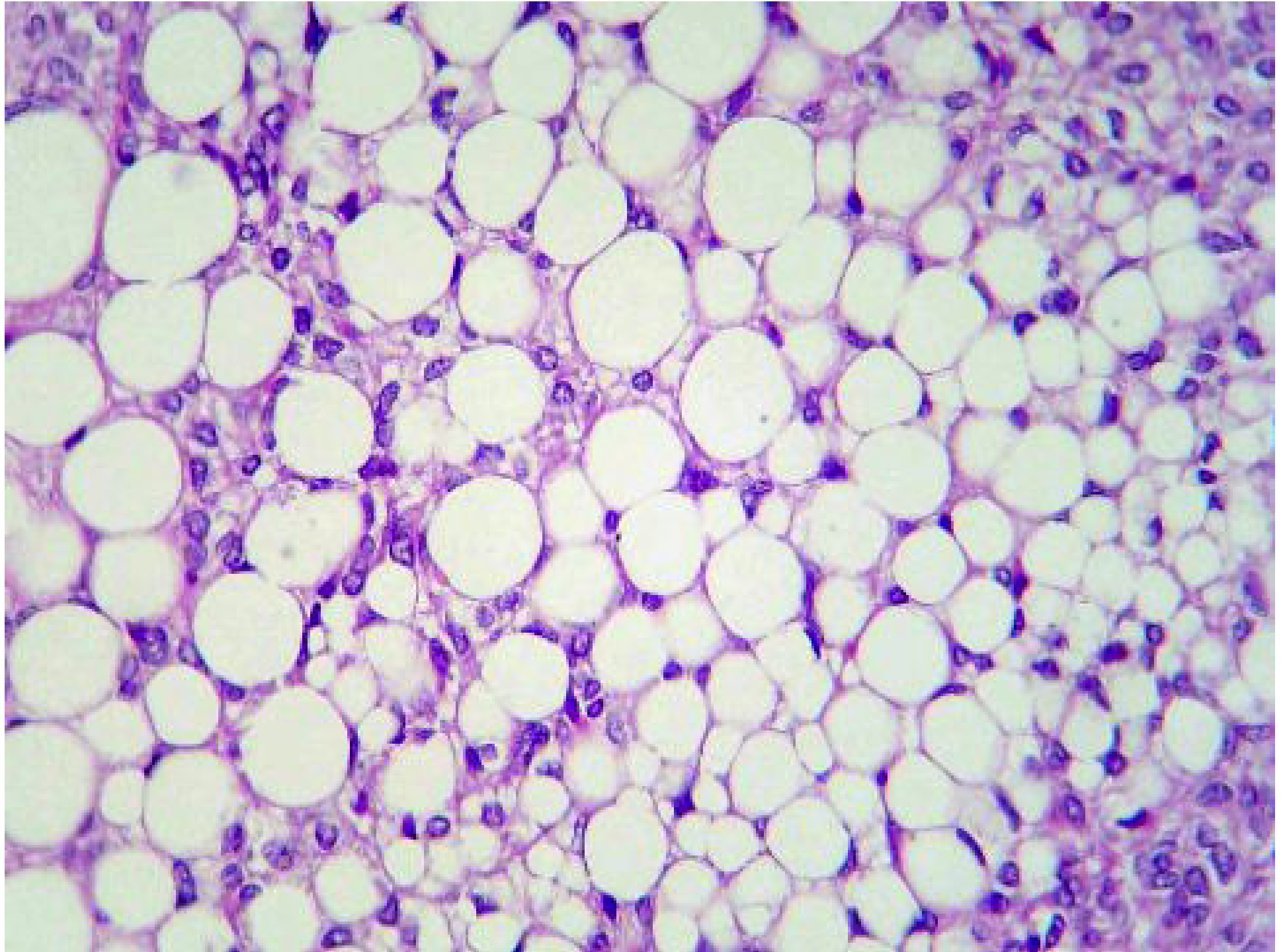




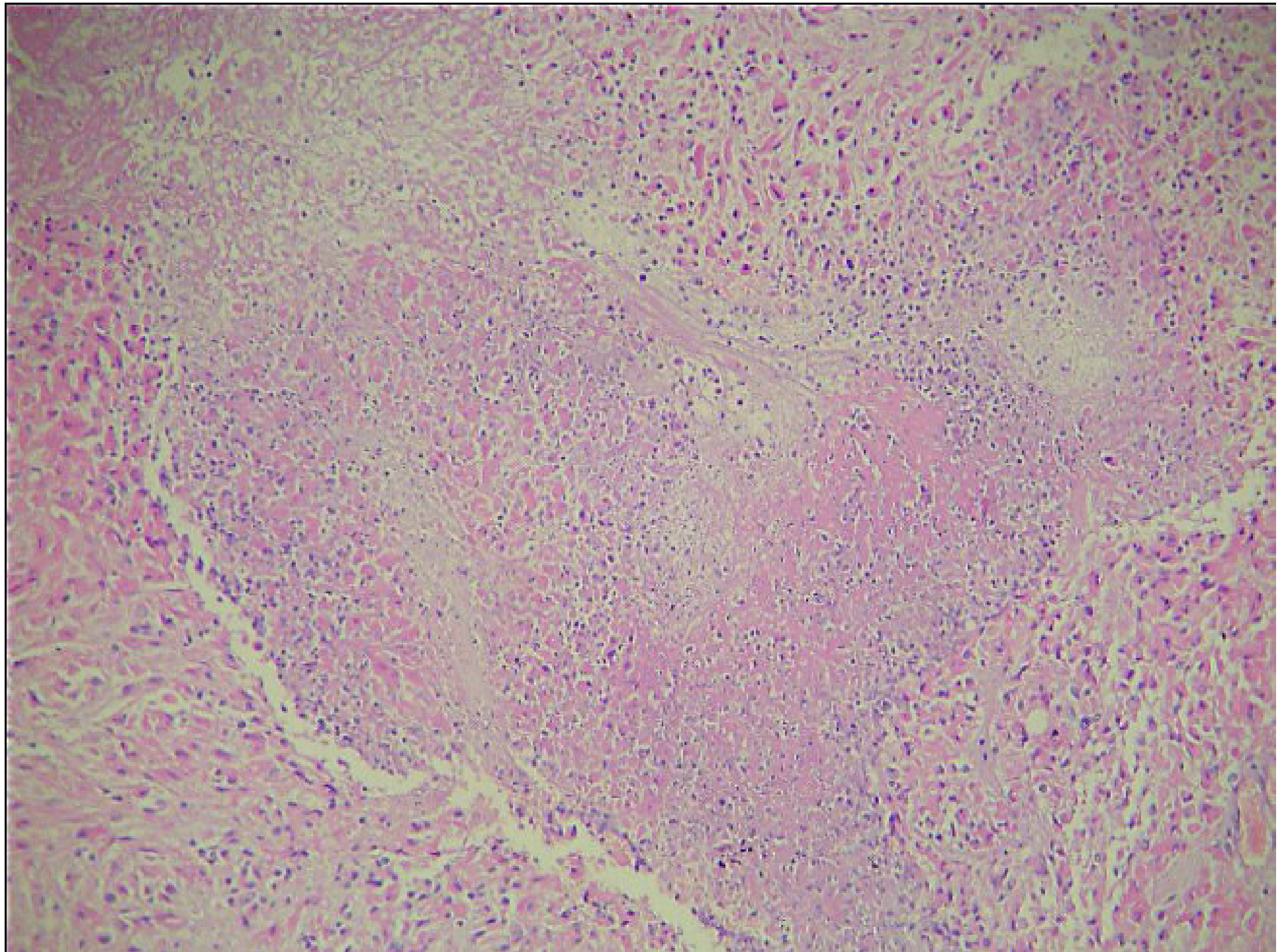


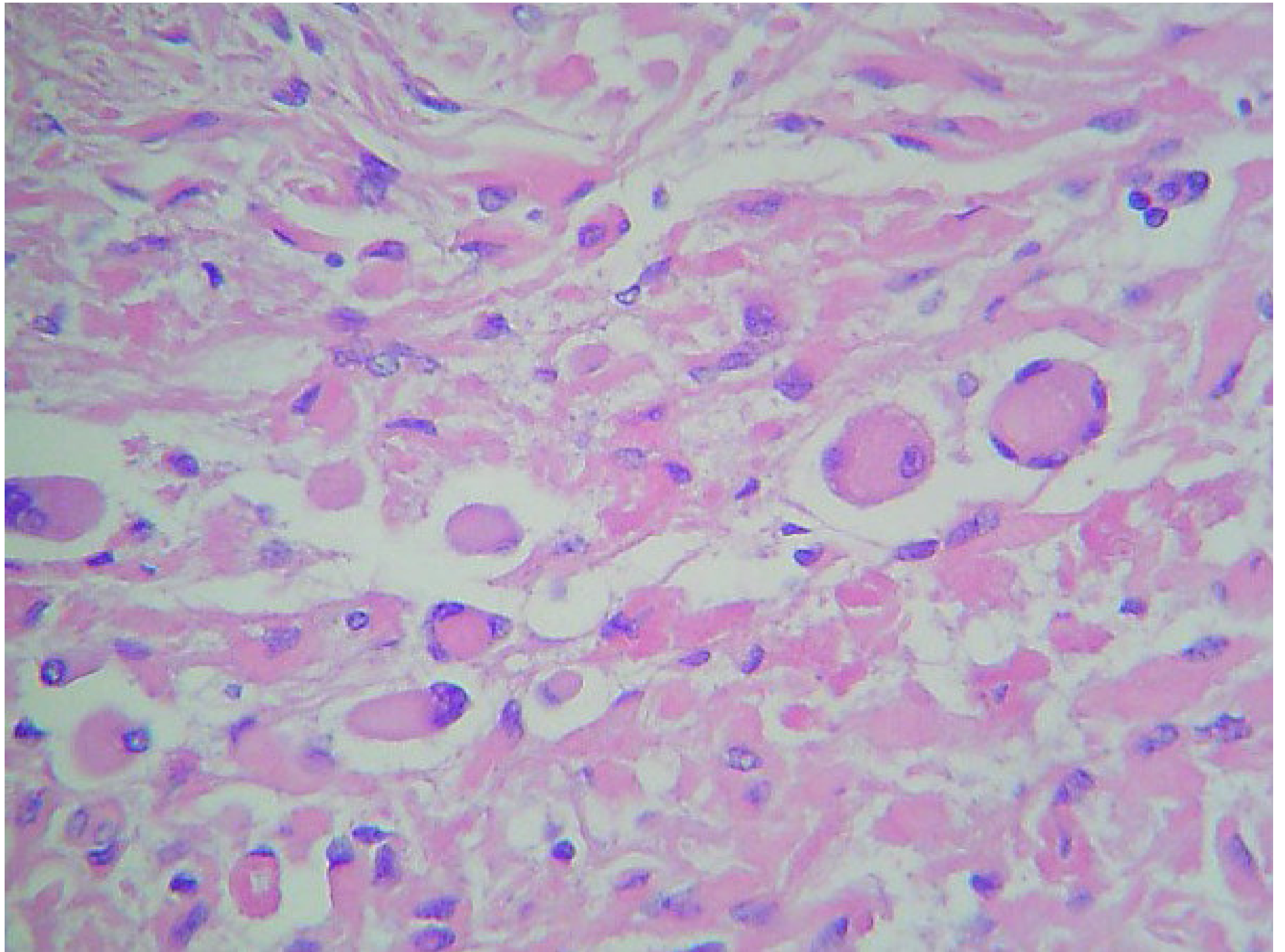












# Qual é o diagnóstico?



**Diagnóstico:**



Liponeurocitoma cerebelar

# Liponeurocitoma cerebelar

- Neoplasia cerebelar rara caracterizada por diferenciação neuronal/neurocítica avançada e lipomatosa focal
- Prognóstico clínico favorável
- OMS grau I ou II
- Neurolipocitoma, medulocitoma, glioneurocitoma lipomatoso, tumor neuroectodérmico maduro lipidizado

# Liponeurocitoma cerebelar

- 5ª ou 6ª década de vida
- Sem preferência por sexo
- Sinais e sintomas: dor de cabeça, vômitos, tontura e distúrbios da marcha
- Cerebelo: hemisférios, vermis ou ângulo cerebelo-pontino

# Liponeurocitoma cerebelar

- Neoplasia de células isomórficas, com poucas mitoses
- Células com núcleos arredondados a ovais com citoplasma claro , lembrando oligodendroglíócitos
- Presença de células adipócitos-símile

# Liponeurocitoma cerebelar

- Histiócitos xantomizados não são considerados evidência de diferenciação lipomatosa
- Necrose e proliferação microvascular



# Liponeurocitoma cerebelar

## Achados não usuais

Área de diferenciação  
gemistocítica

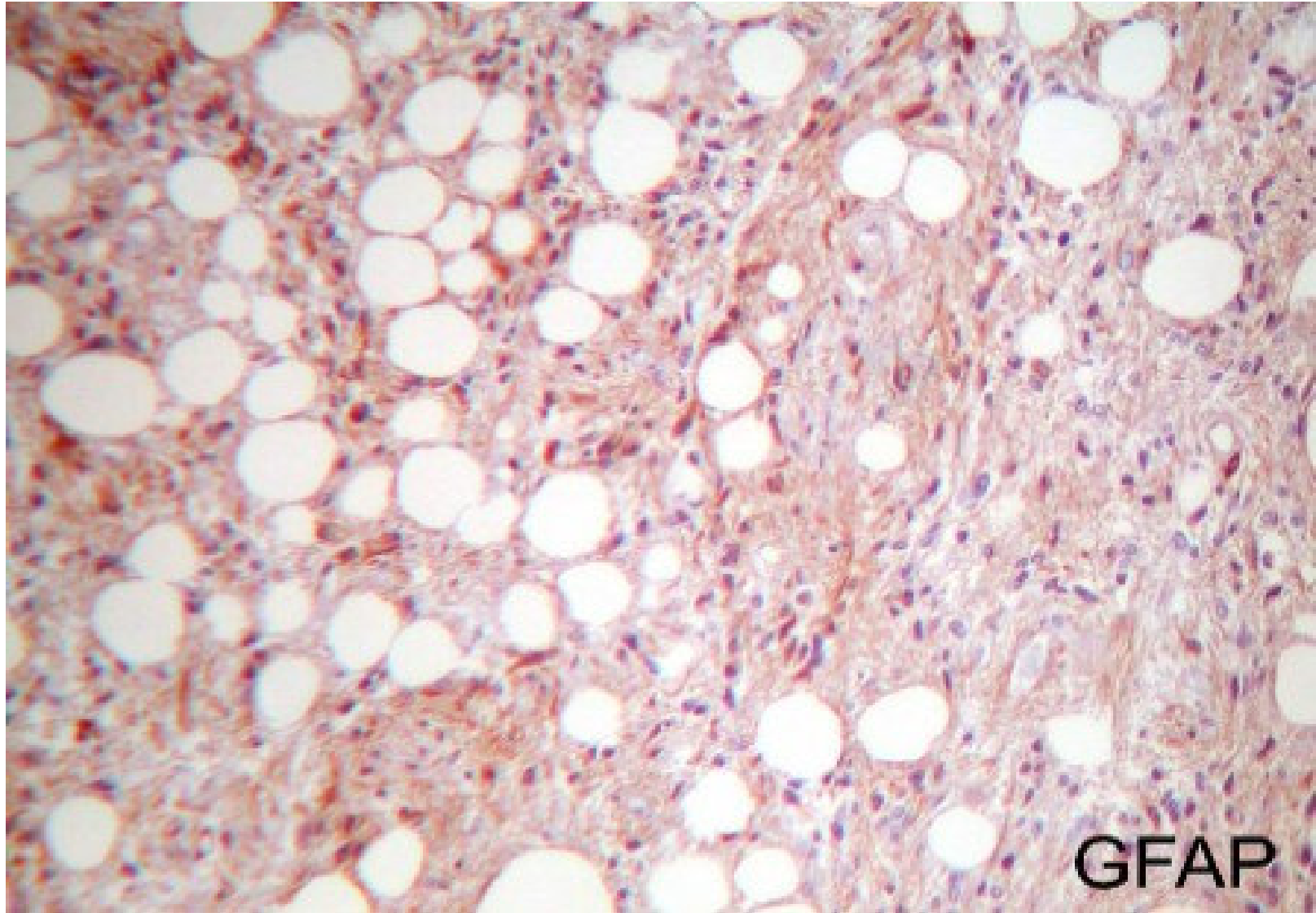
Focos de necrose

Pior prognóstico???

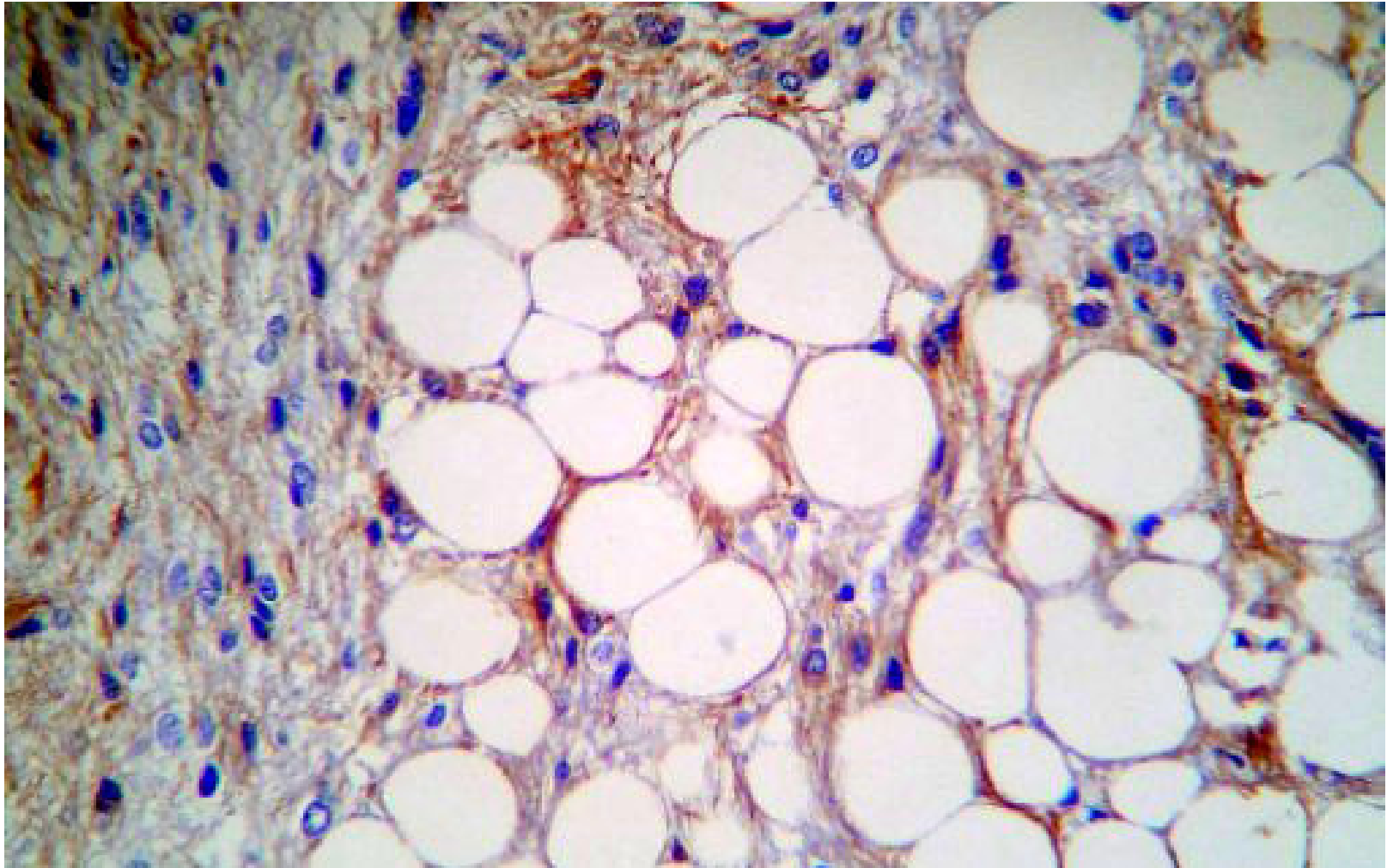


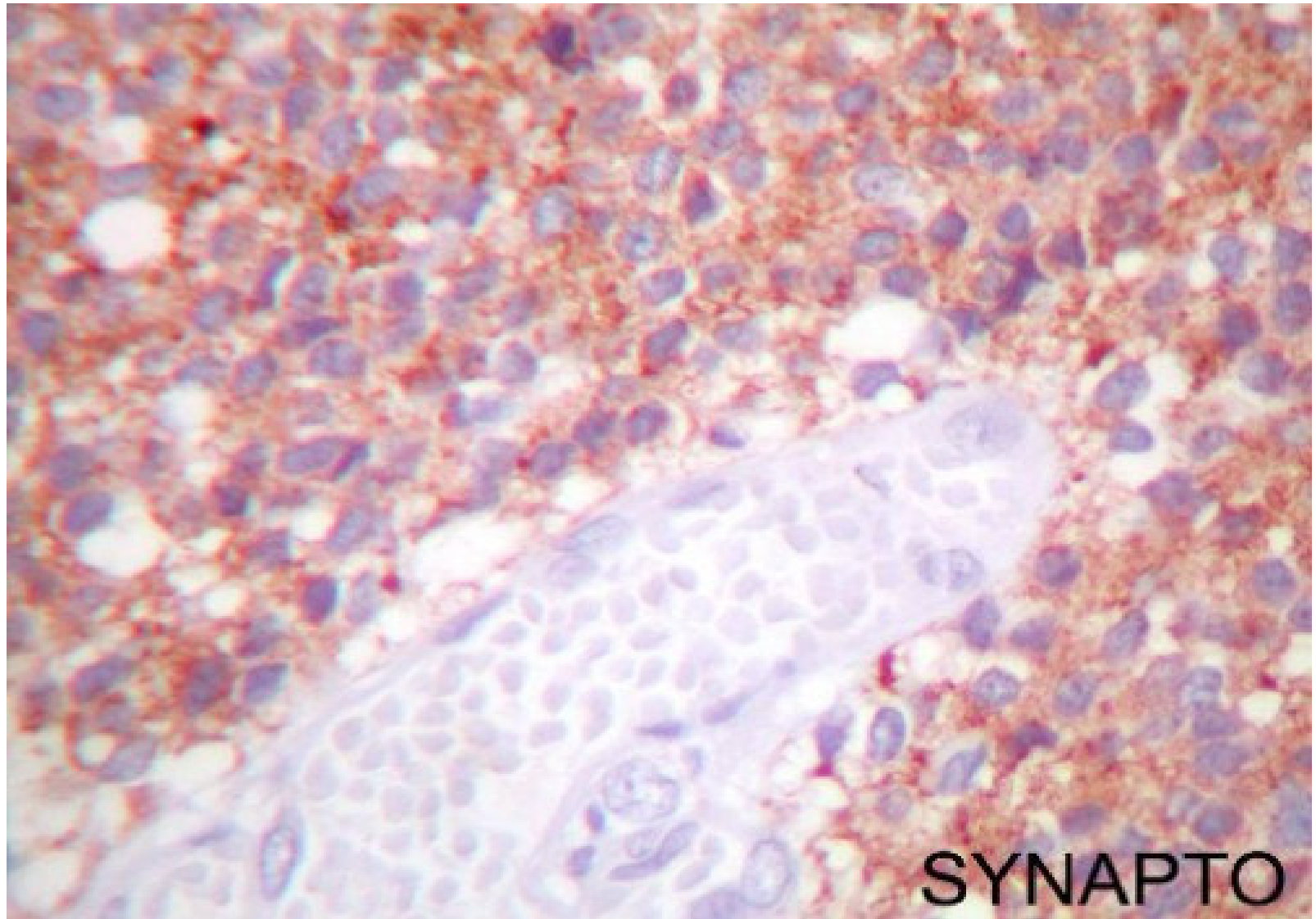
# Liponeurocitoma cerebelar

- **Imunohistoquímica**
  - **GFAP, NSE, sinaptofisina e neurofilamentos +** nas células pequenas e vacuolizadas
  - **Vimentina +** nas células vacuolizadas
  - **S-100 +** focalmente nas células pequenas
- **Proliferação**
  - **Ki 67/MIB-1** varia de menos de 1 a 6 %

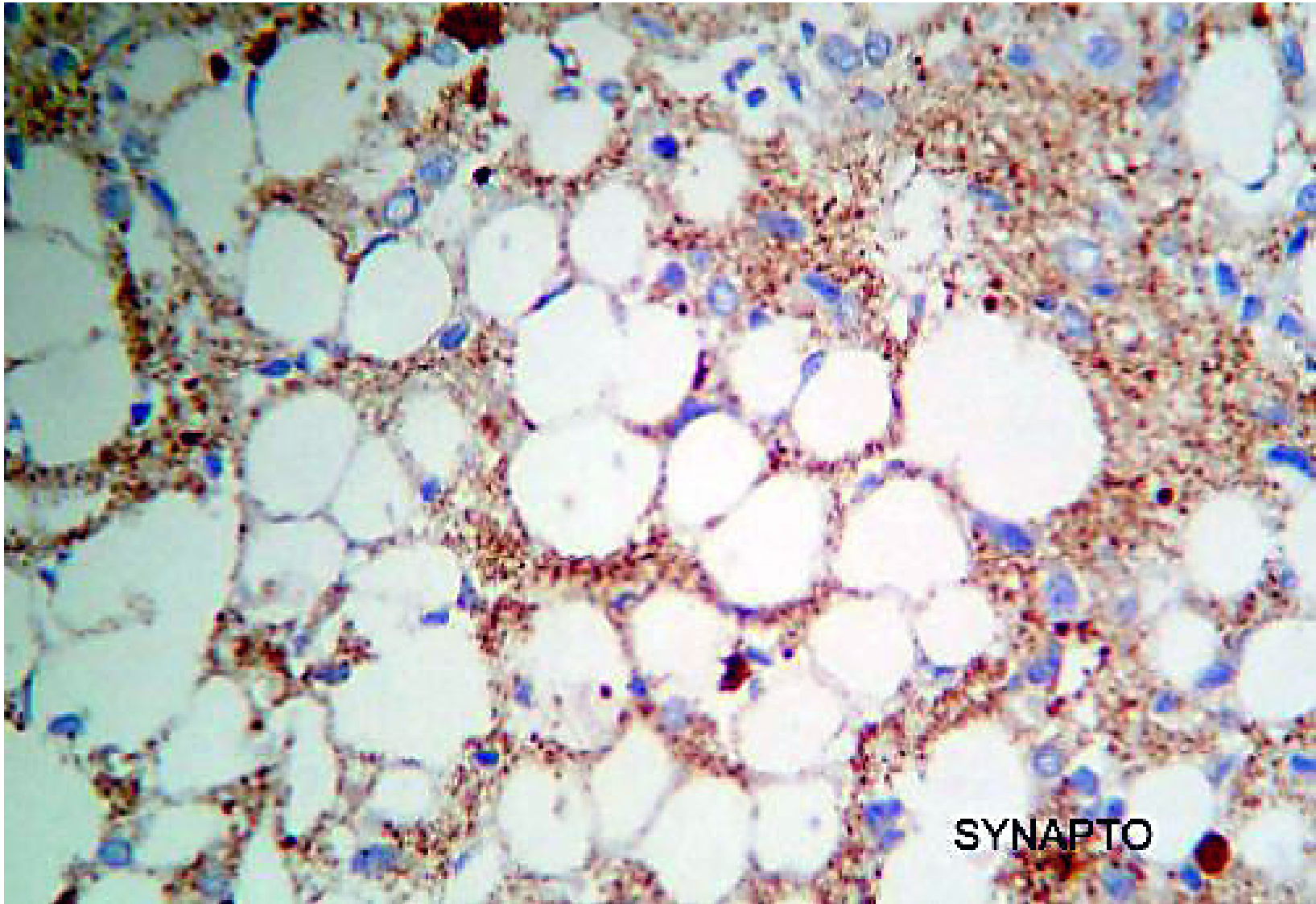


# GFAP

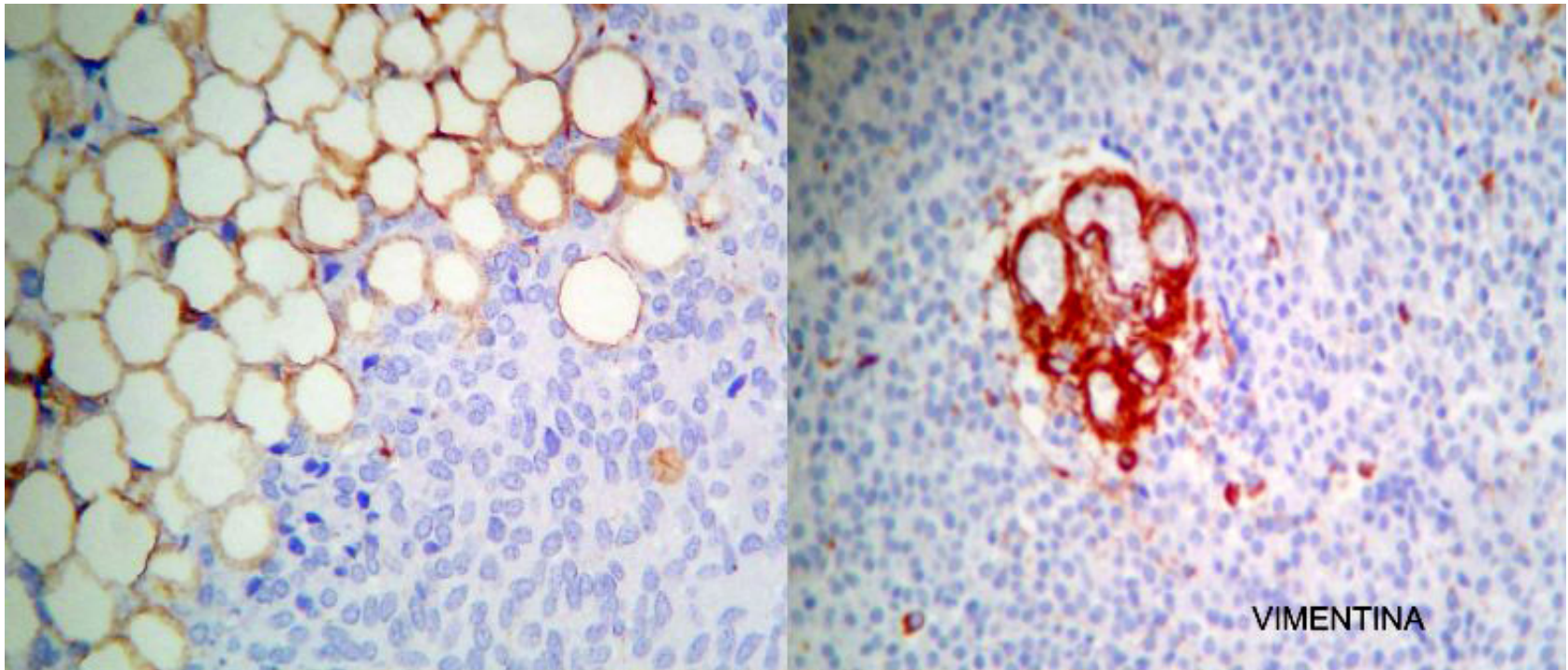


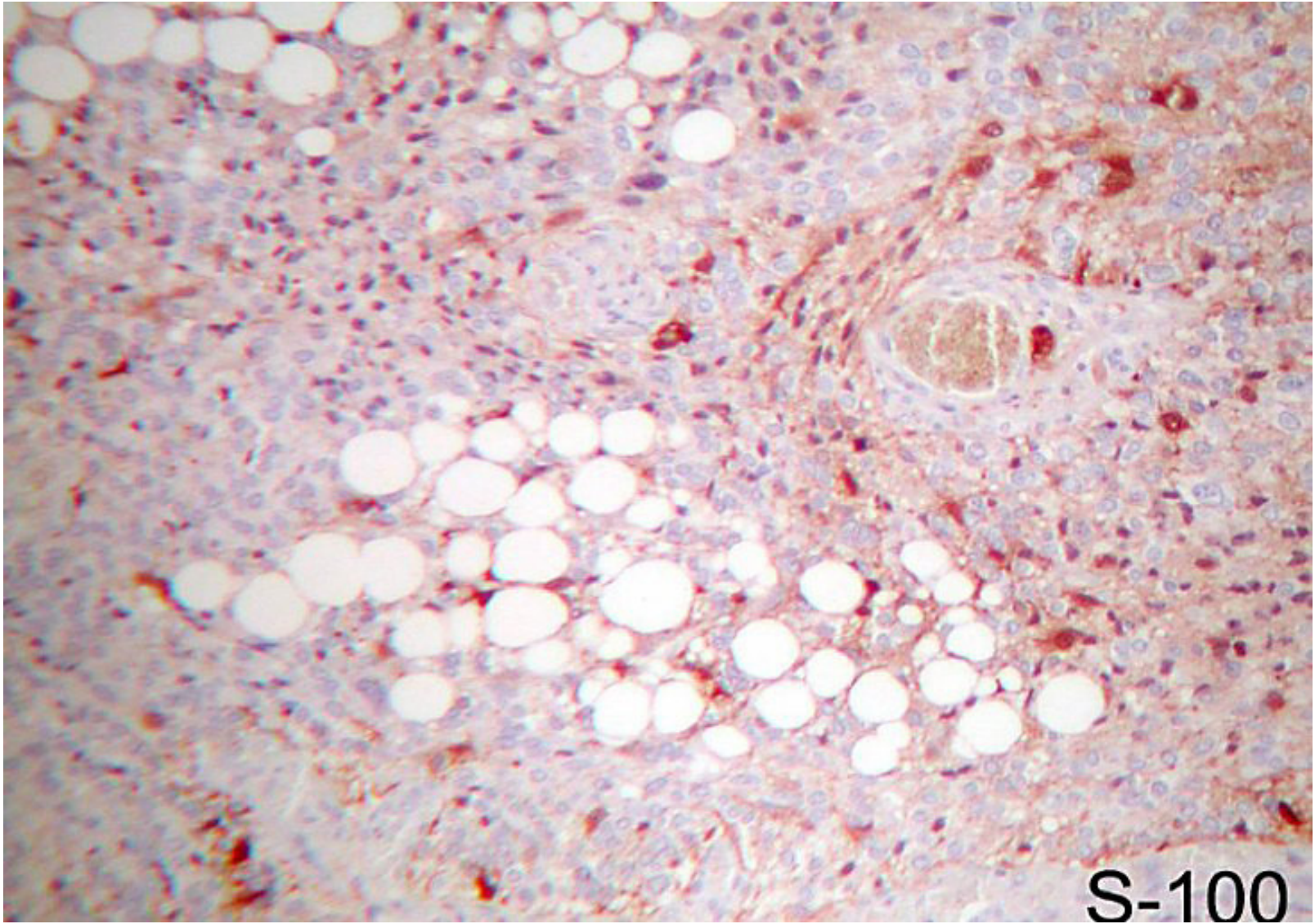


**SYNAPTO**



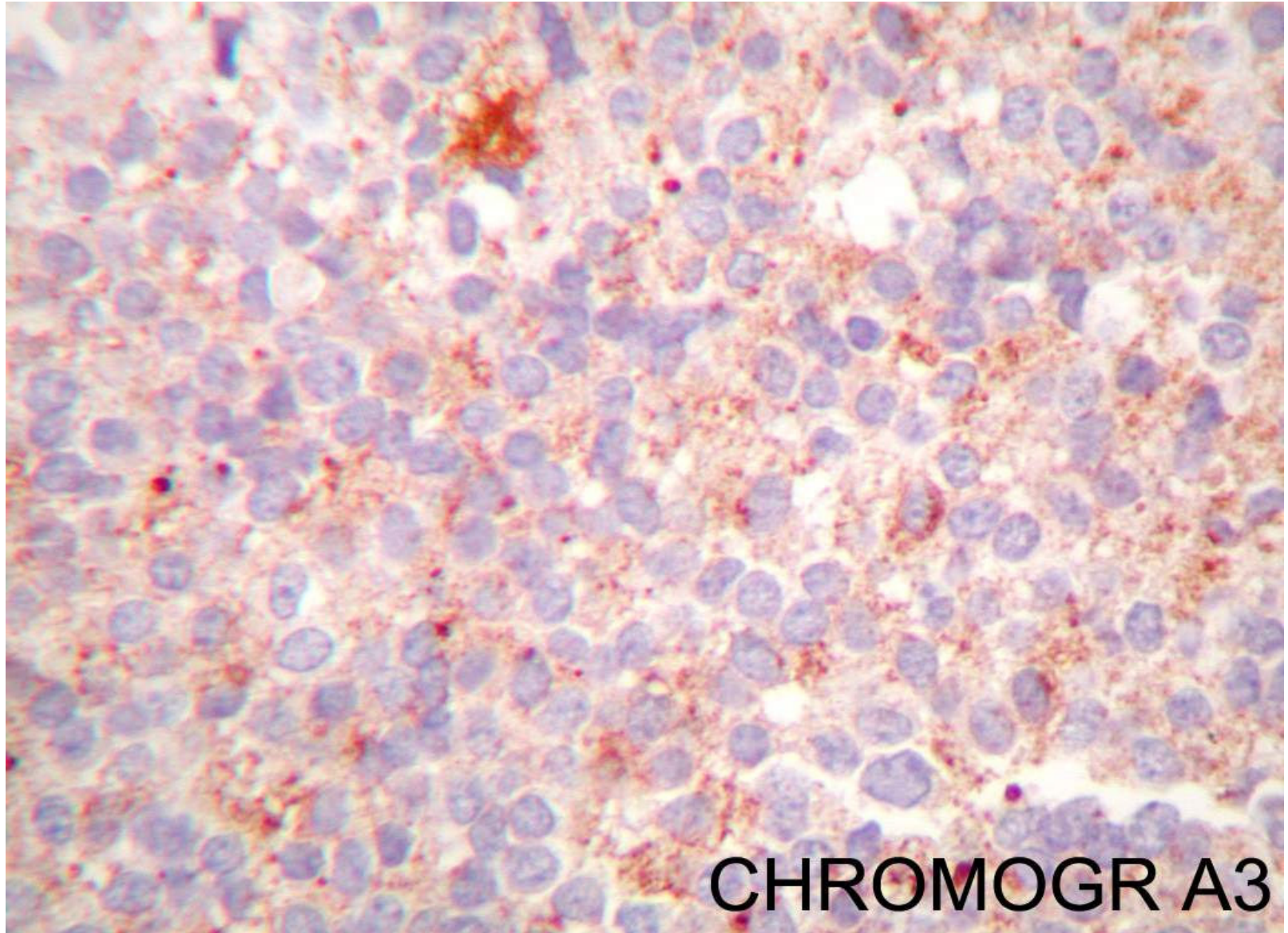
# VIMENTINA





S-100





**CHROMOGR A3**

# Liponeurocitoma cerebelar

- Diagnóstico diferencial:
  - Meduloblastoma: 70 % em crianças. OMS grau IV. Prognóstico ruim
  - Ependimoma
  - Astrocitoma

# Liponeurocitoma cerebelar

- Tratamento
  - Exérese cirúrgica
  - Radioterapia pós-operatória
- Recorrências tardias

# Bibliografia

- Kleihues P, Chimelli L, Cavenee WK: Cerebellar liponeurocytoma, in Kleihues P, Cavenee WK (eds): Pathology & Genetics Tumors of the Nervous System. Lyon, France: IARC Press, 2000, pp110-111.
- Jenkinson MD, Bosma JJ, Du Pessis D, et al. Cerebellar liponeurocytoma with an Unusually aggressive clinical course: case report. *Neurosurgery* 2003; 53 (6): 1425-7.
- Montagna N, Moreira D, Vaz LC, et al. Cerebellar liponeurocytoma: a newly recognized clinico-pathological entity. *Arq neuropsiquiatr* 2002; 60 (3-B): 725-9.
- Cacciola F, Conti R, Taddei GL, et al. Cerebellar liponeurocytoma. Case report with considerations on prognosis and management. *Acta Neurochir* 2002; 144 (8): 829-33.
- Alkadhi H, Keller M, Brandner S, et al. Neuroimaging of cerebellar liponeurocytoma. Case report. *J Neurosurg* 2001; 95 (2): 324-31.
- Taddei GL, Buccoliero AM, Caldarella A, et al. Cerebellar liponeurocytoma: Immunohistochemical and ultrastructural study of a case. *Ultrastruct Pathol* 2001; 25 (1): 59-63.

**OBRIGADO  
POR PARTICIPAR**

