

Small Cell Neuroendocrine of the Cervix

Michael Frumovitz

March 16, 2012

THE UNIVERSITY OF TEXAS
MD ANDERSON
CANCER CENTER
Making Cancer History™

Patient Case

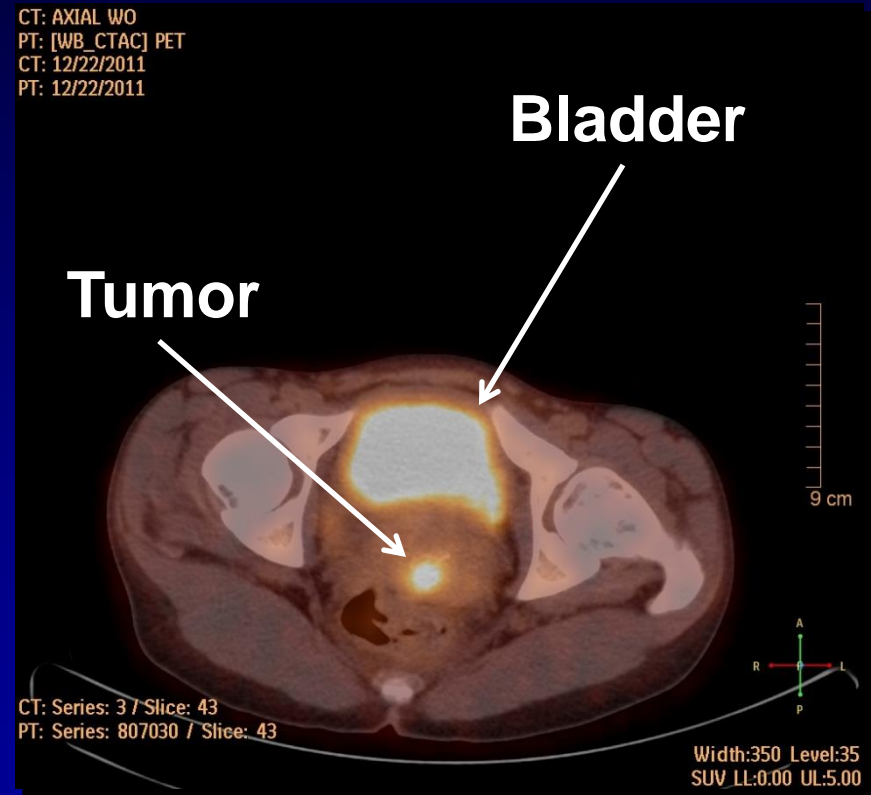
- 31 year old G0 with abnormal pap
- Follow-up biopsy returned small cell (neuroendocrine) cervical carcinoma
- PMH: Common variable immune deficiency syndrome
- PSH: None

Physical Exam

- **Thin female, no distress**
- **Cervix**
 - **3 cm exophytic lesion**
 - **Small stalk attaching tumor to cervix**
 - **Overall cervix 4 cm in size**
 - **No vaginal extension**
 - **No parametrial thickening**

Radiologic Work-Up

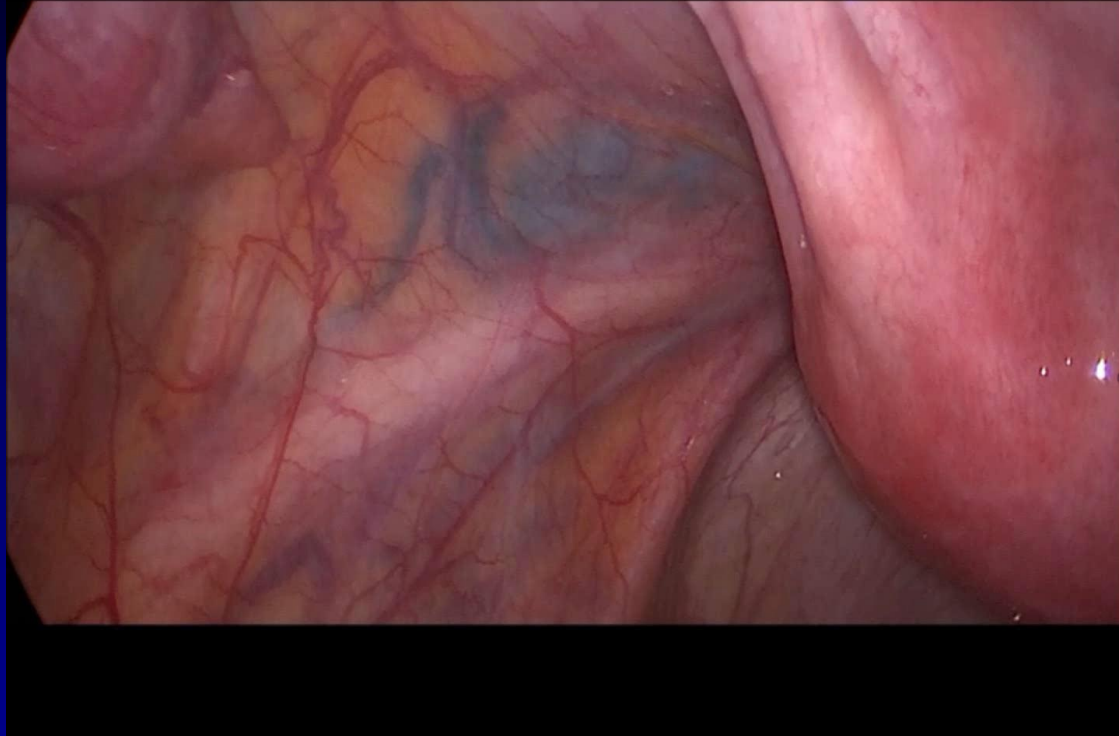
- **MRI**
 - 2.8 cm exophytic lesion
 - No obvious invasion
 - Normal ovaries/uterus
- **PET/CT Scan**
 - No metastatic disease



Primary Therapy

- **What do you offer for primary therapy?**
 - **She is a nulligravida, do you consider radical trachelectomy?**

Surgery Performed



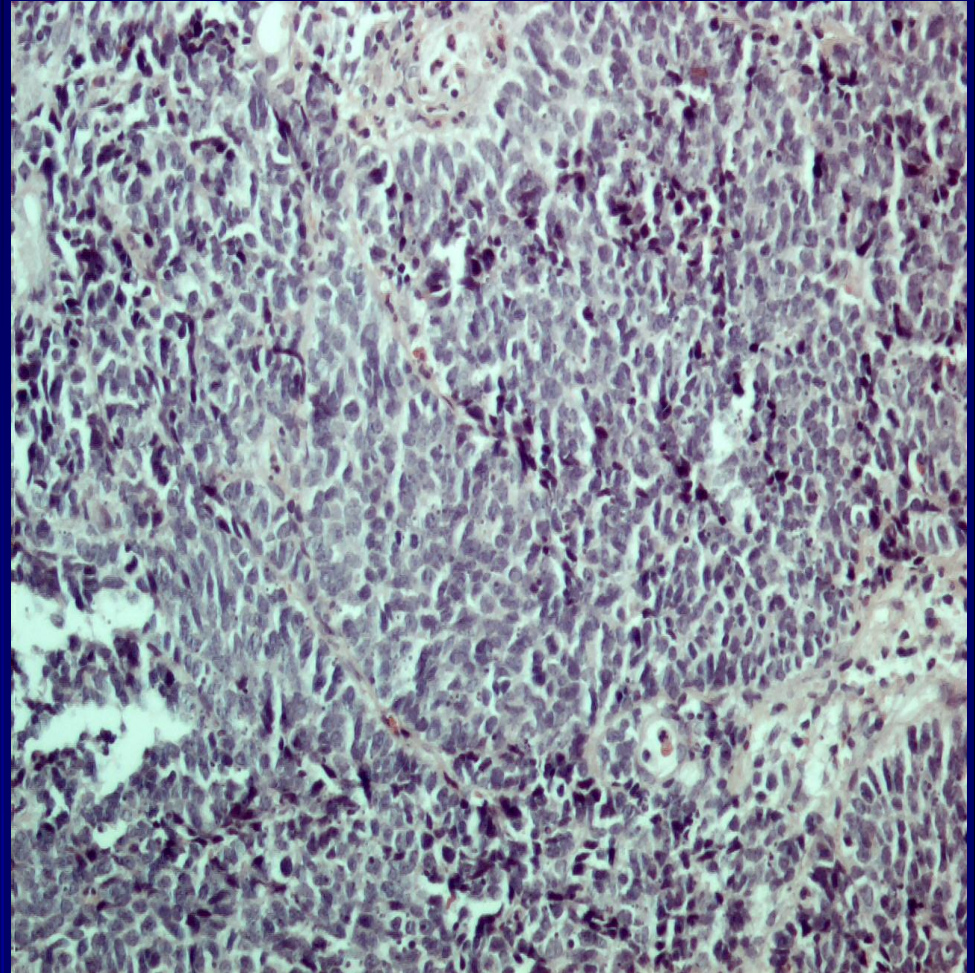
**Total Laparoscopic Radical Hysterectomy
L Salpingo-Oophorectomy, R Transposition
Bilateral Sentinel Lymph Node Biopsies**

Final Pathology

- **Small Cell (Neuroendocrine) Carcinoma**
- **Invades 5 of 12 mm**
- **(+) Lymphovascular Space Invasion**
- **Margins Negative**
- **Positive Right Parametrial Node**
- **Negative Left Ovary**
- **Negative Sentinel Nodes**

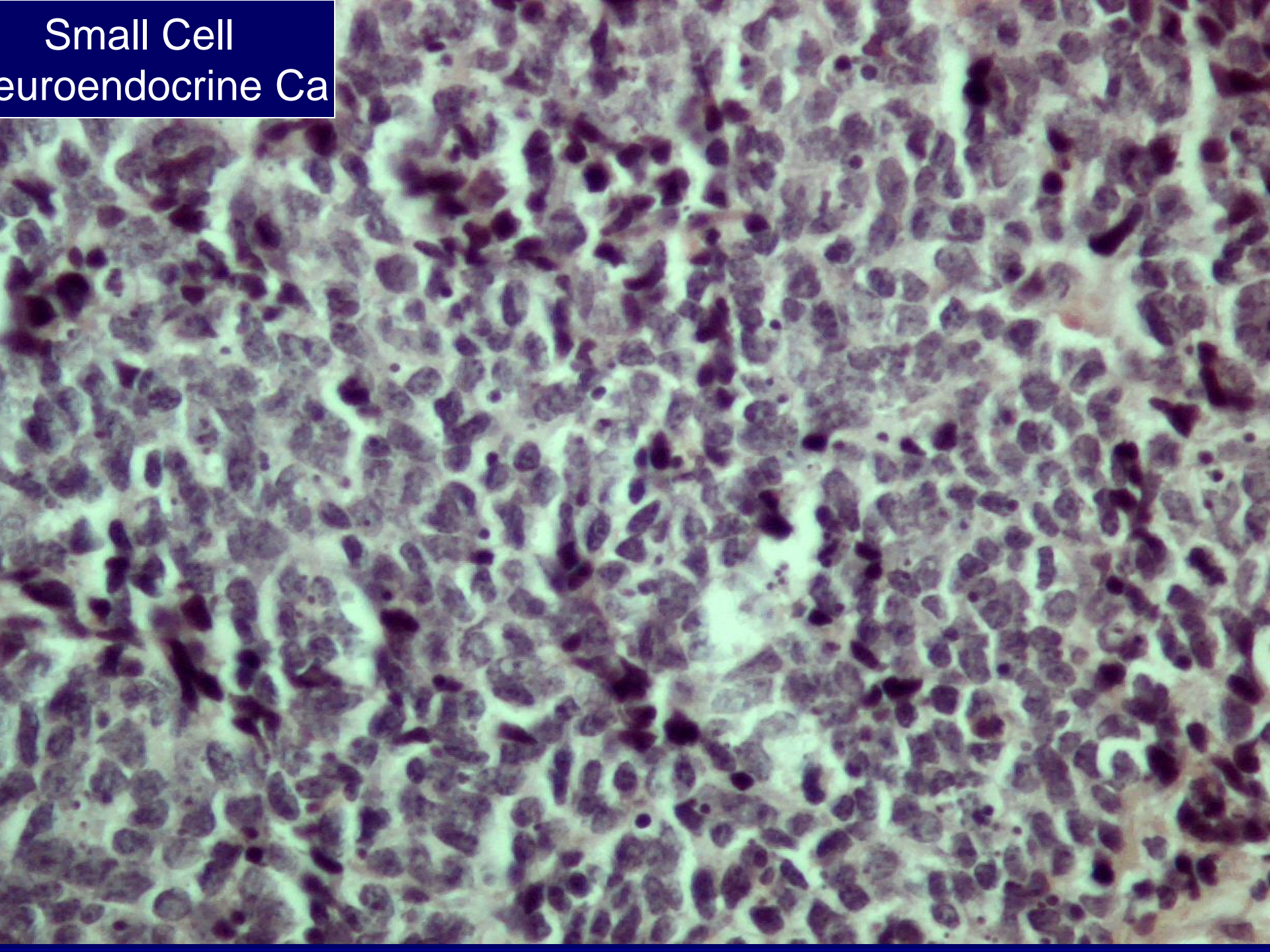
Pathology

- **First specimen:**
 - “Cervix”: two pieces of soft, tan/grey tissue, measuring 3.0 x 2.0 x 1.1 cm in aggregate
- **Second, third, and fourth specimens:**
 - Left obturator, right obturator, and left parametrial sentinel nodes

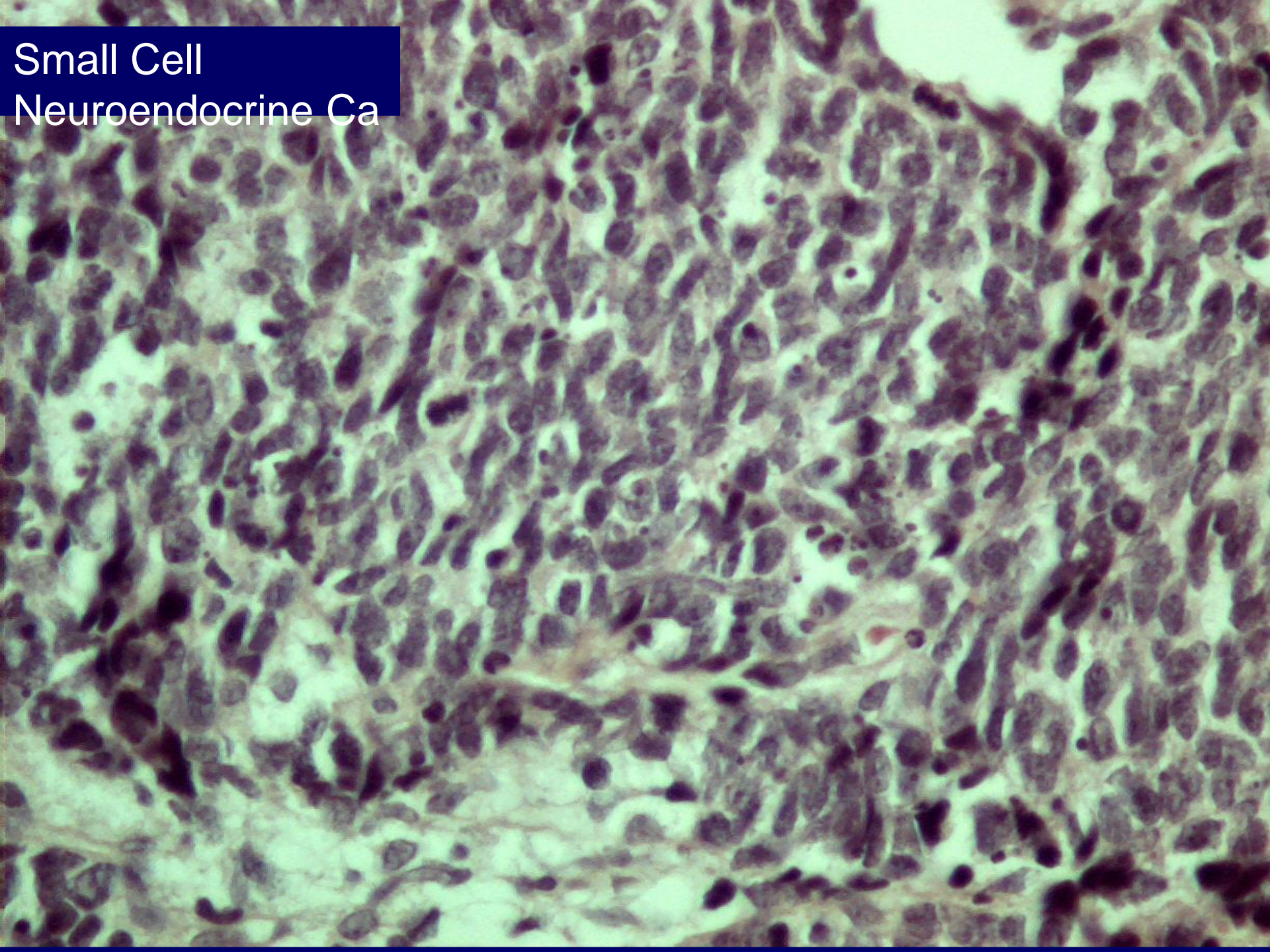


Tumor infiltrated the full thickness of the tissue which was 11 mm thick

Small Cell
neuroendocrine Ca

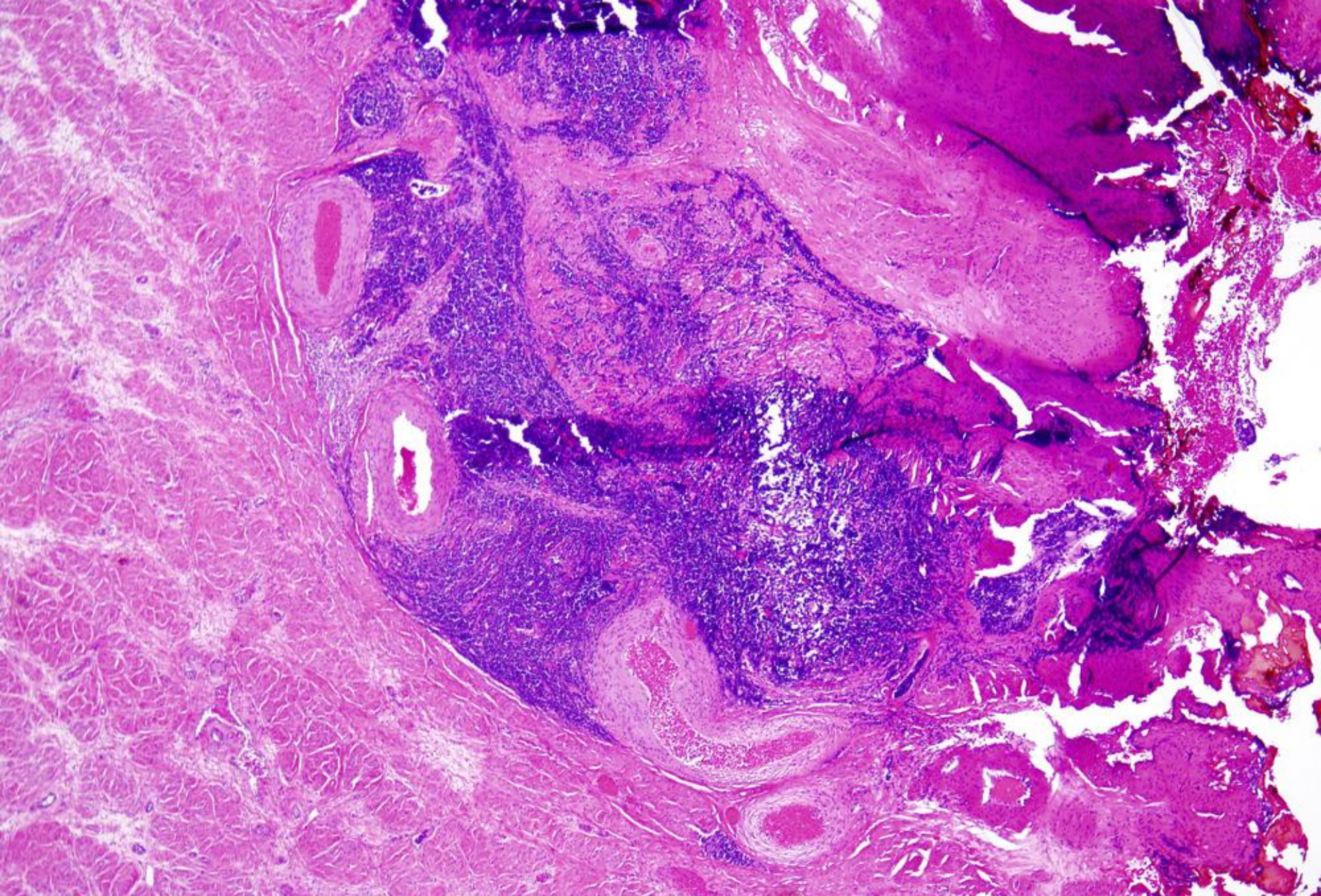


Small Cell Neuroendocrine Ca



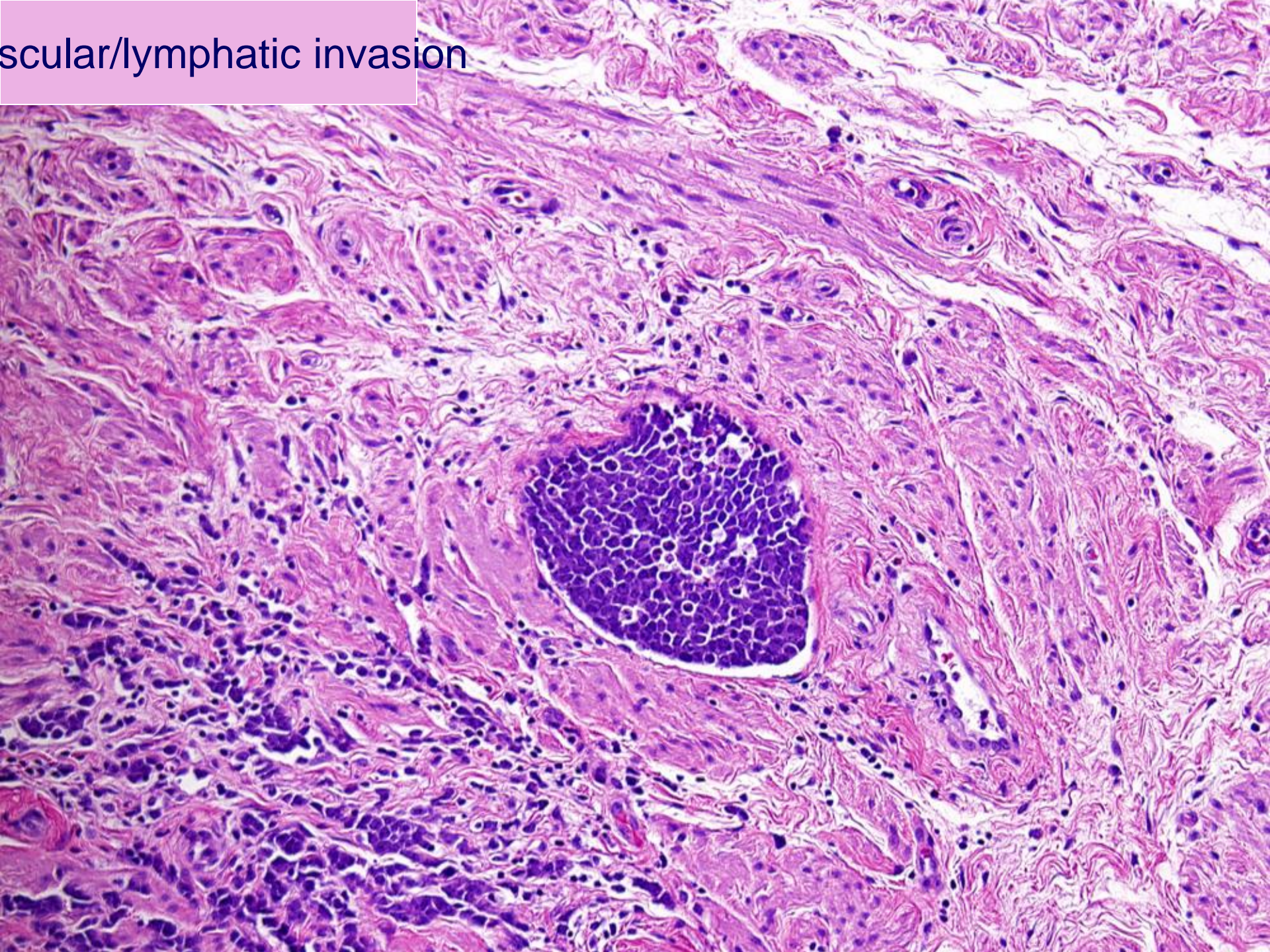
Pathology

- **Fifth specimen:**
 - **Radical hysterectomy specimen had an ulcerated, hemorrhagic, indurated area, measuring 3.0 x 1.2 x 0.5 cm**
 - **Microscopically, it showed extensive cauterization and residual, small cell neuroendocrine carcinoma**

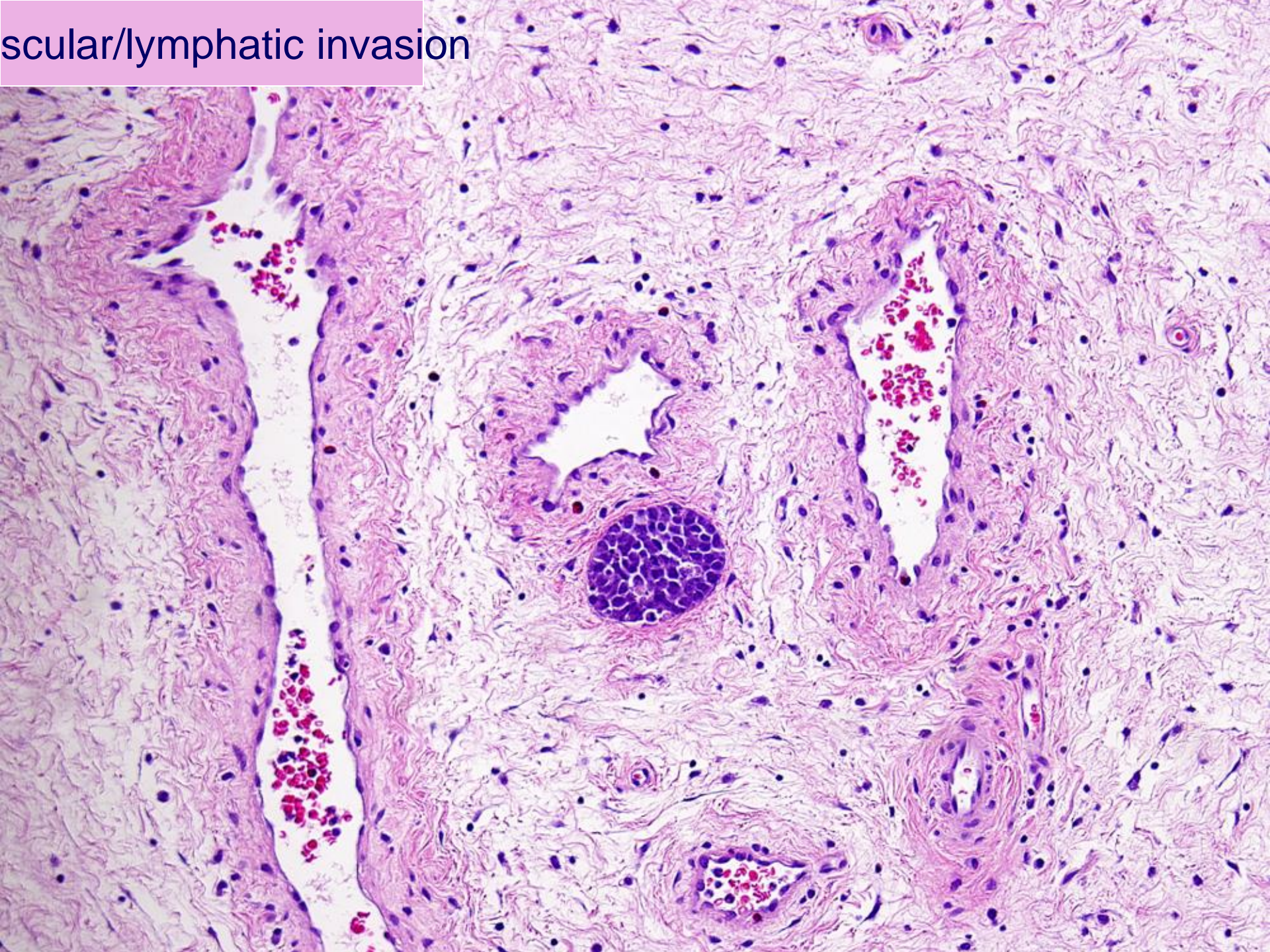


hysterectomy specimen showing residual small cell neuroendocrine carcinoma invading 6 mm in a 12 mm thick cervical wall

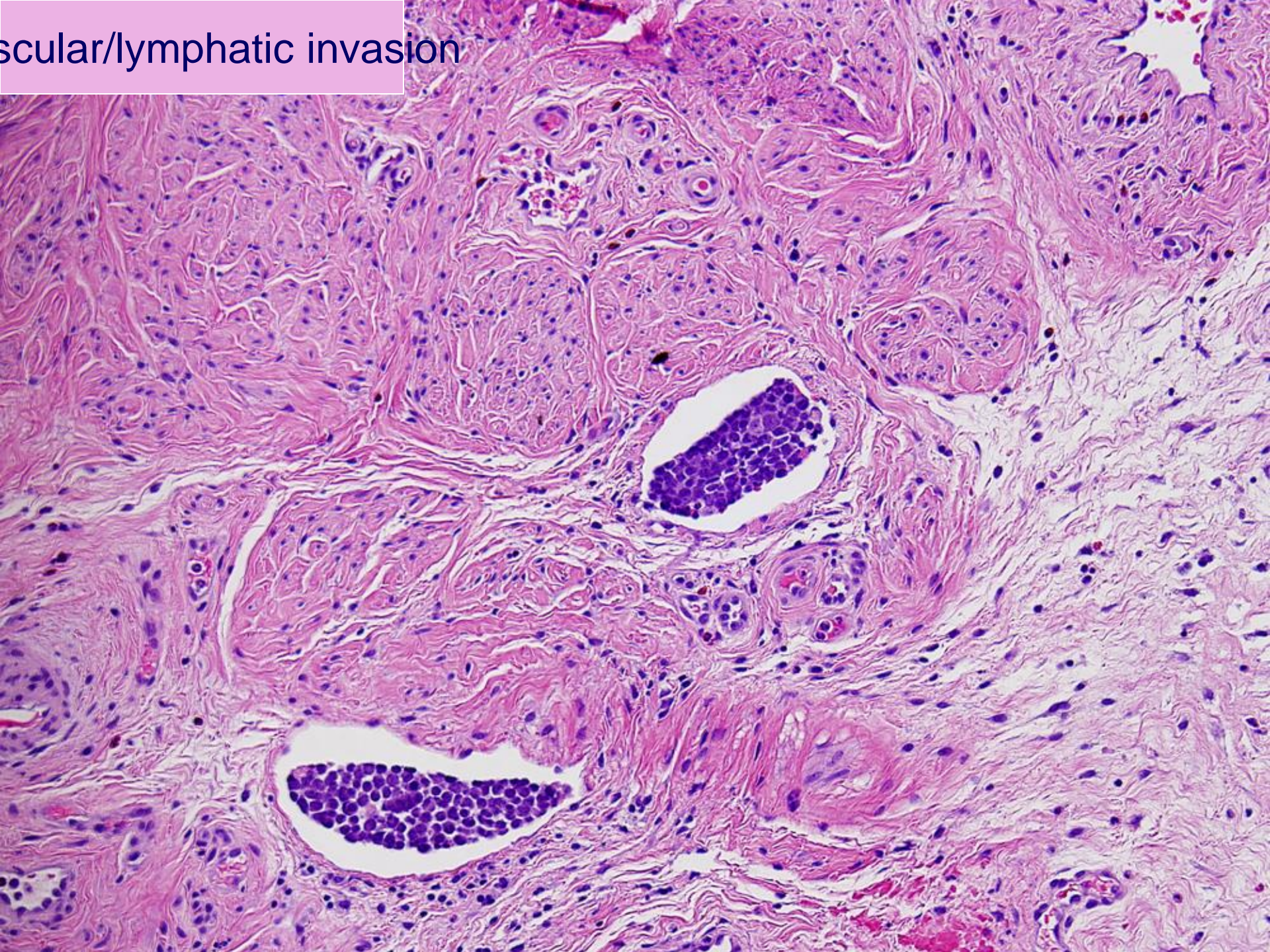
vascular/lymphatic invasion



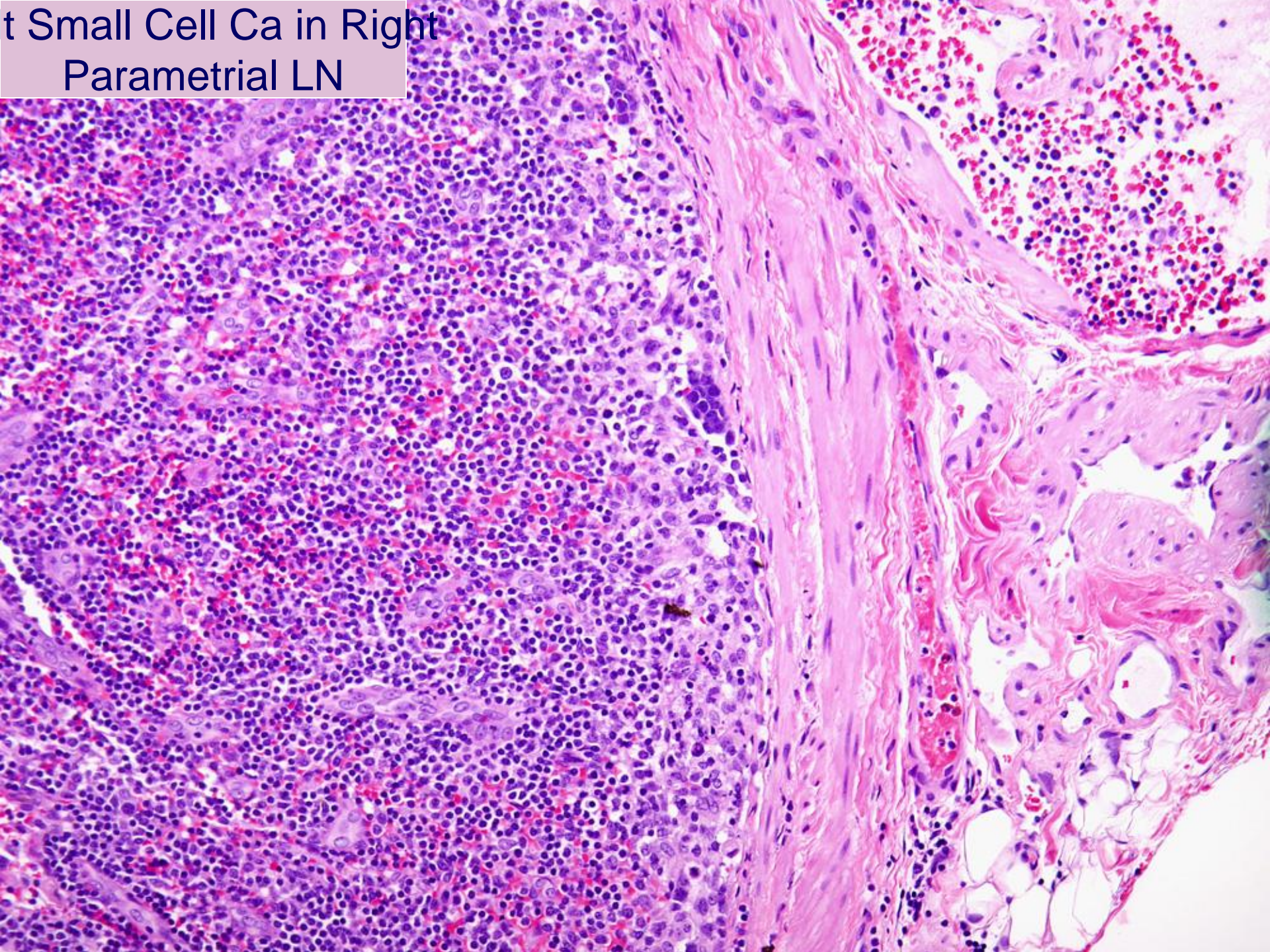
scular/lymphatic invasion



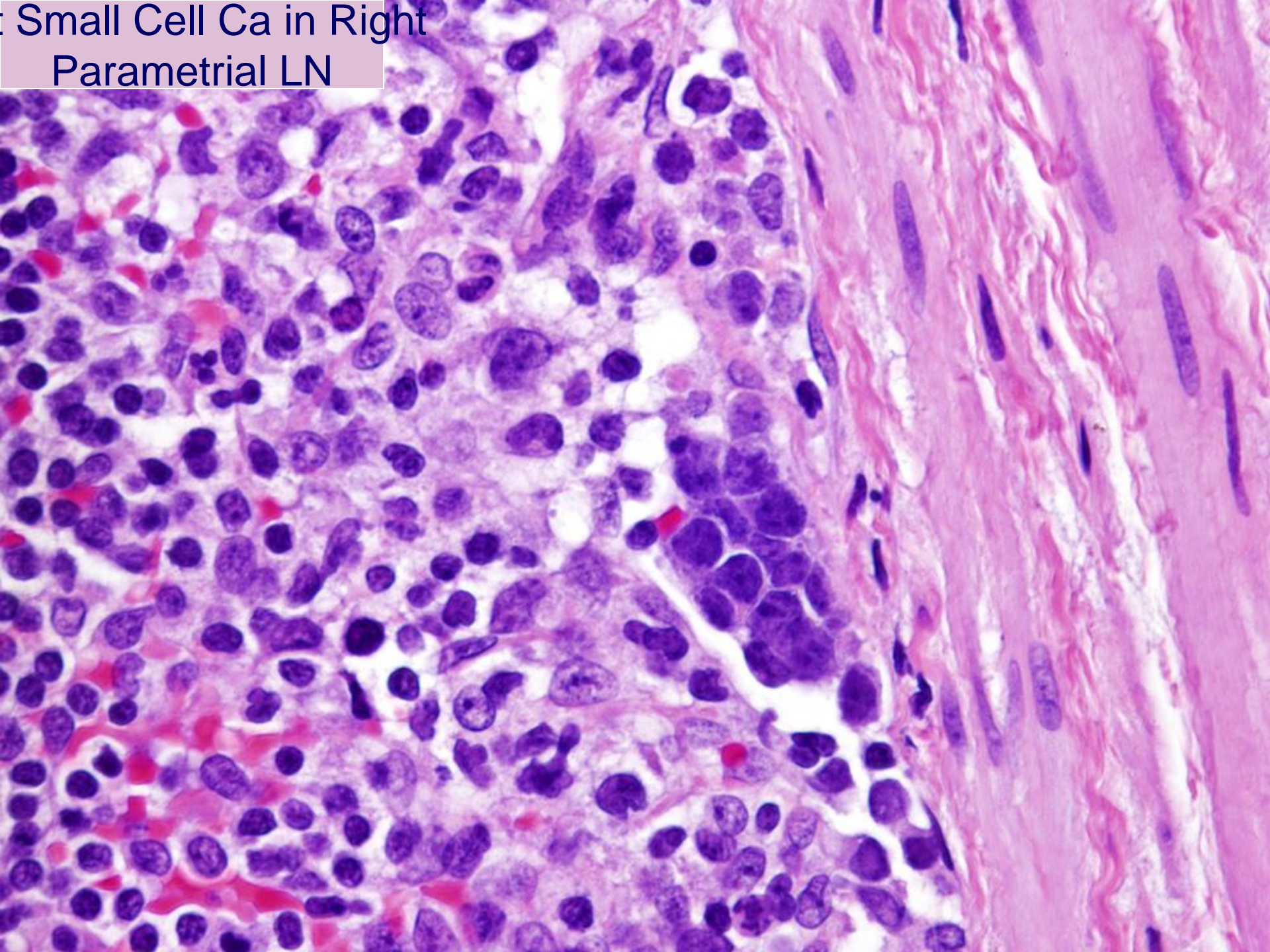
vascular/lymphatic invasion



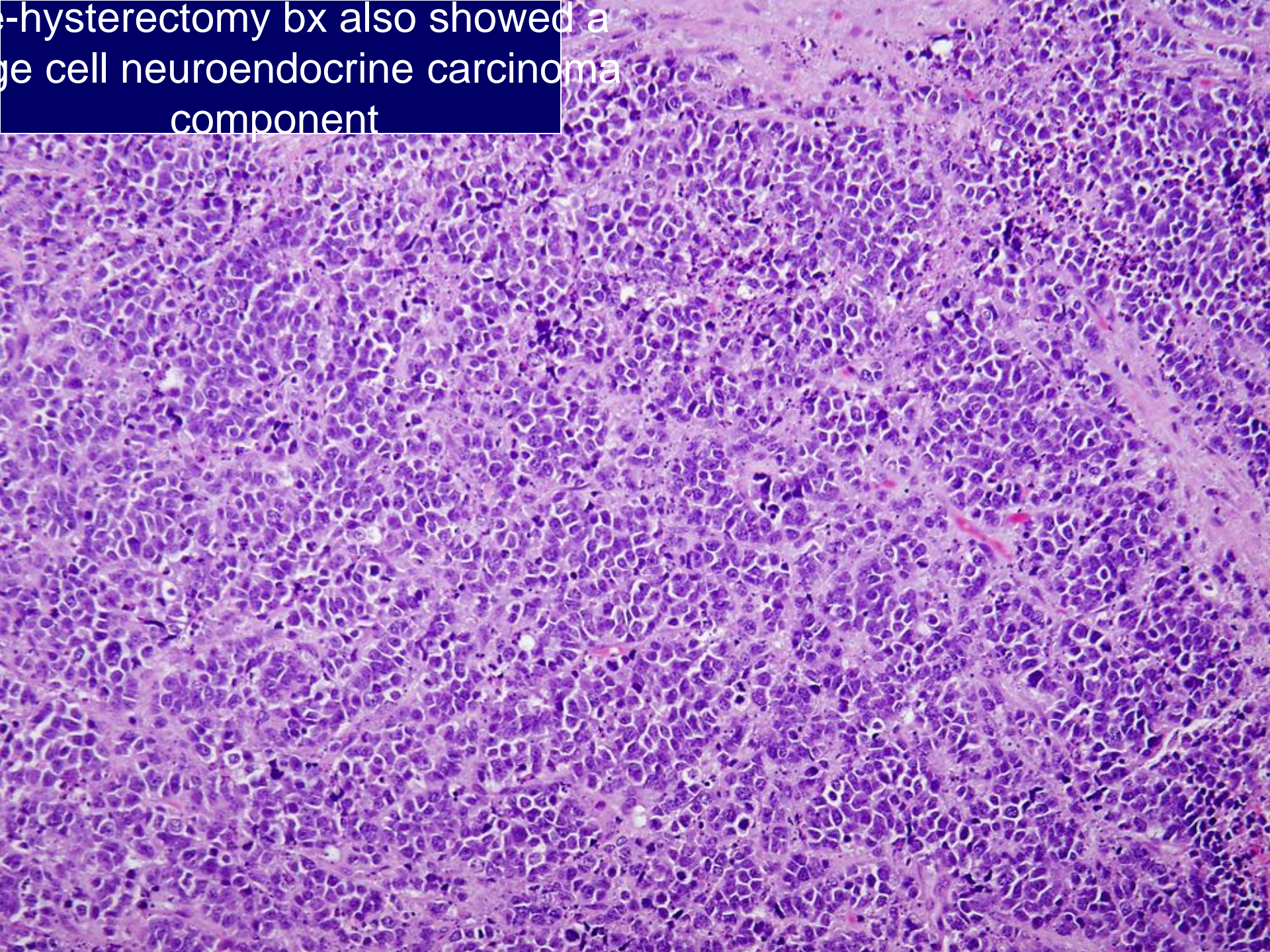
t Small Cell Ca in Right
Parametrial LN



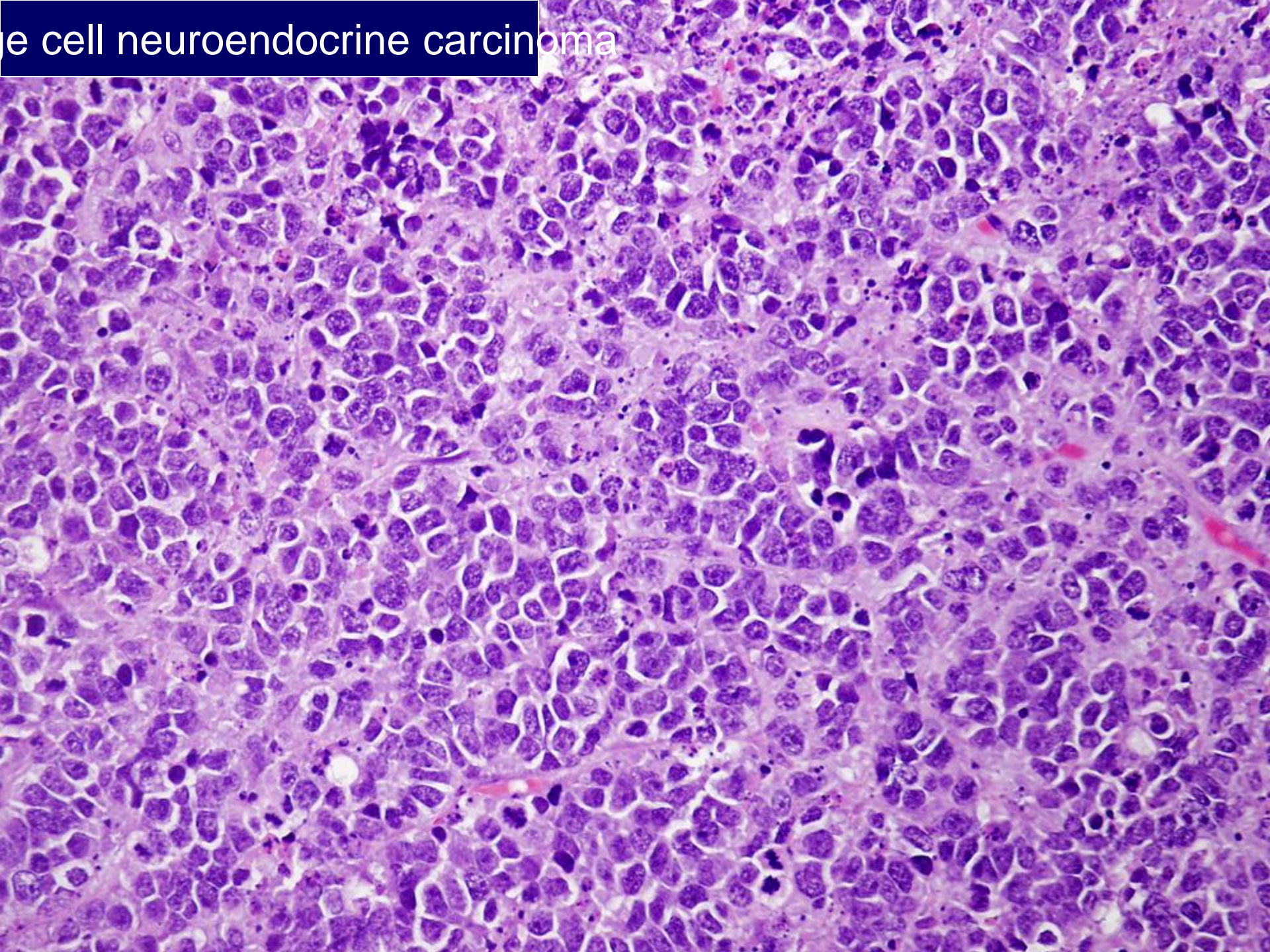
Small Cell Ca in Right
Parametrial LN



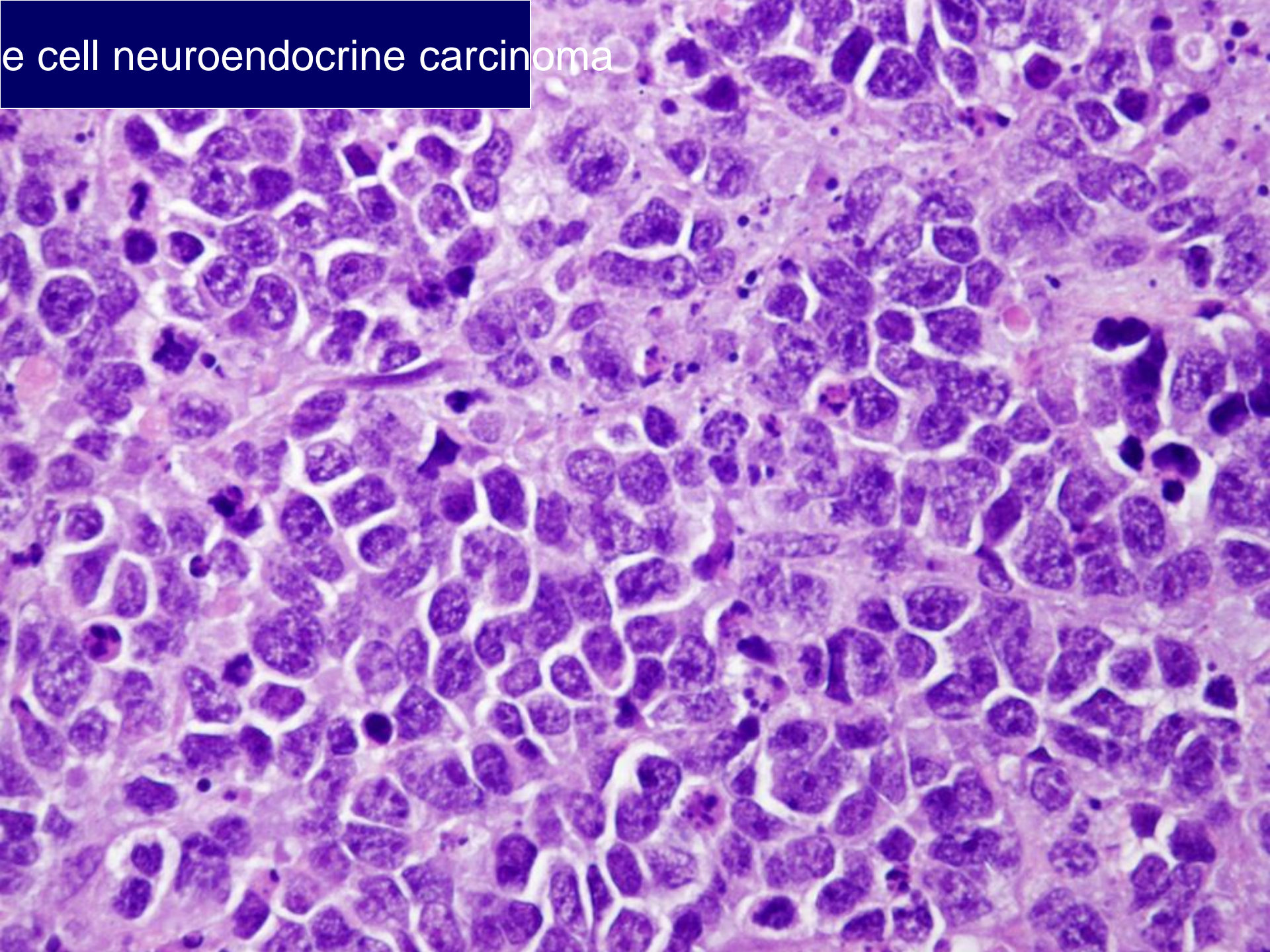
-hysterectomy bx also showed a
large cell neuroendocrine carcinoma
component

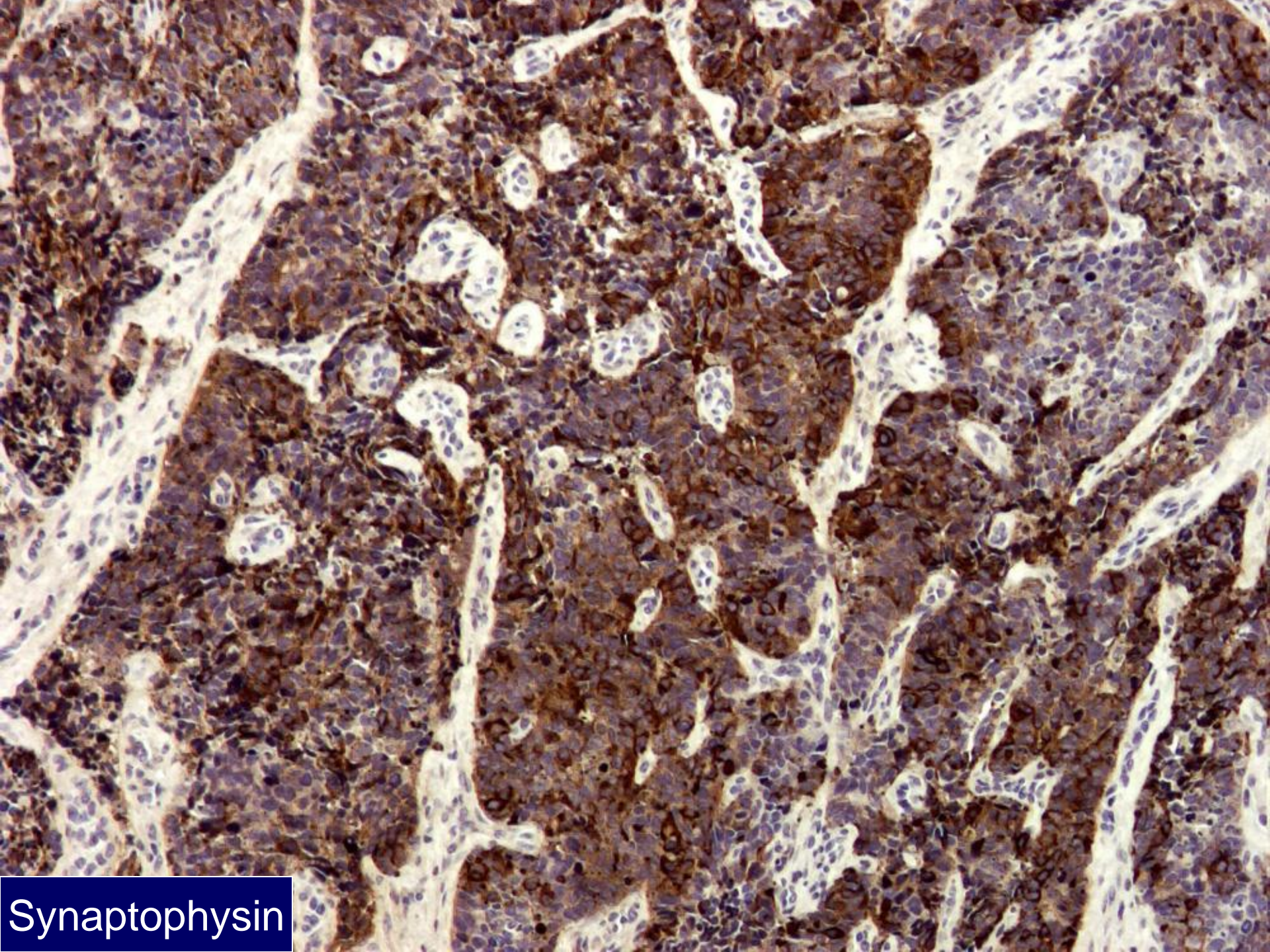


Large cell neuroendocrine carcinoma



neuroendocrine carcinoma





Synaptophysin

Adjuvant Therapy?

- **Observation**
- **Chemotherapy**
- **Pelvic Radiation**
- **Chemoradiation (Pelvic Field)**
- **Chemoradiation followed by Chemo**

Adjuvant Therapy?

- **If chemotherapy, what regimen?**
 - **Carboplatinum/Paclitaxel**
 - **Cisplatinum/Etoposide**
 - **Other**

Adjuvant Therapy?

- If parametrial node was negative (i.e. no metastatic disease), would your adjuvant therapy recommendation change?



Small/Large Cell Carcinoma of the Cervix: Sisters United 141 Members 1 Event 143 Photos 9 Docs

Closed Group — [scccsisters@groups.facebook.com](https://www.facebook.com/groups/scccsisters)

Search this group



Notifications



Write Post **Add Photo / Video** **Ask Question**

Write something...

UPDATED POSTS



Mona Wike

Look what I am getting for Vegas!!! A friend of mine is designing dresses, and this one will be ready for my Vegas-trip!



Like · Comment · Follow Post · about an hour ago

Kerri Wright Stauffer, Peggy Vastine and 2 others like this.



Jen Dunmoyer You are adorable, Mona, and you will look beautiful in this dress! Can't wait to see you and the hubby! xoxo
about an hour ago · Like

Group Info

8 new members this month

cancer comrades uniting to make a difference! This group is made up of advocates bringing faces and voices to what is known as neuroendocrine small and large cell carcinoma of the cervix.

Who else should be in this group?

Add Friends to Group

Sponsored

[See All](#)

Browse Yearbooks

80s.yearbookarchives.com

1980, 1981, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1980, 1981, 1983, 1984, 1985, 1986, 1987, 1988, 1989

See if we have your yearbook!

Class of 1987

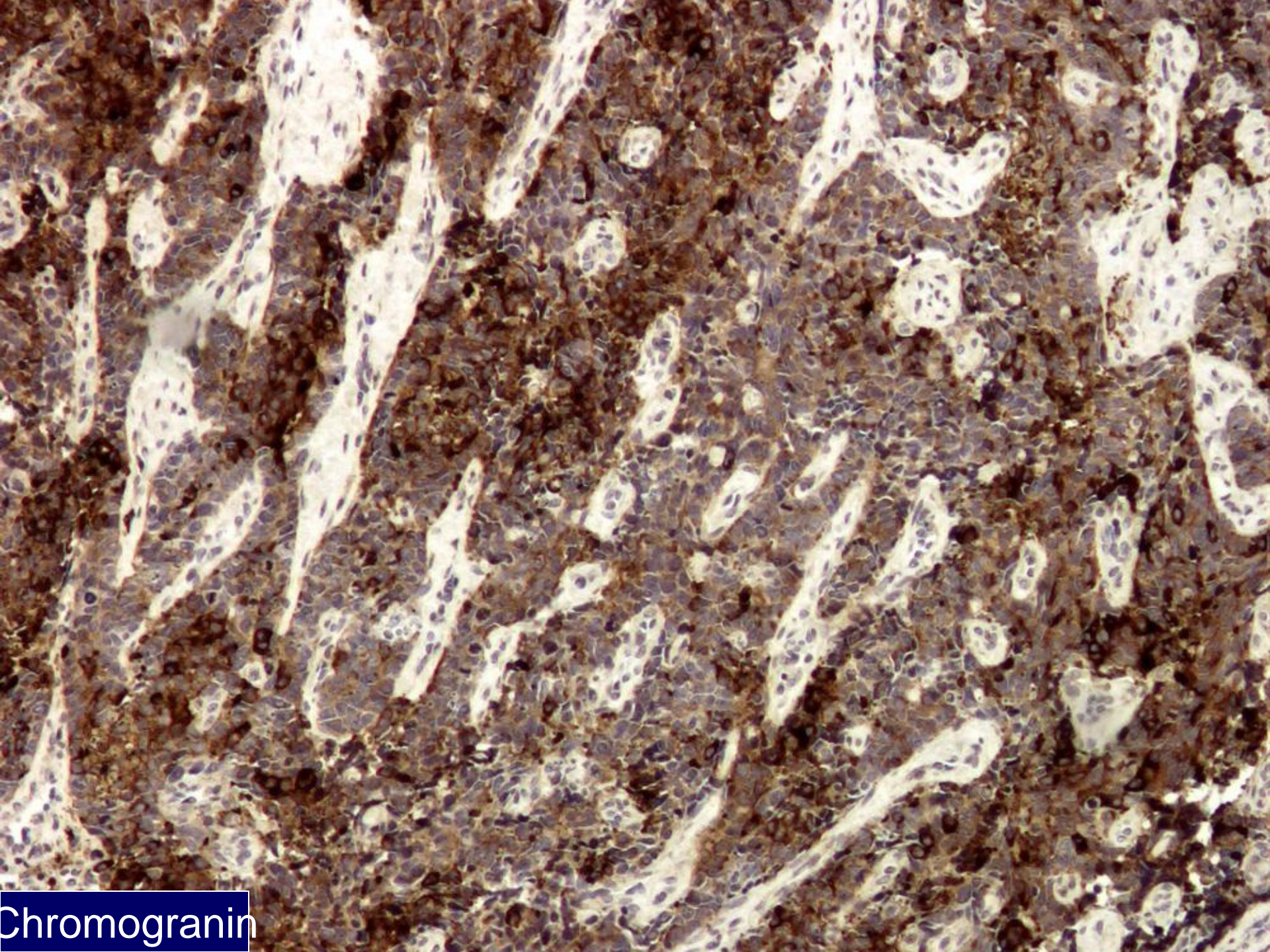


Look Up profiles from your high school class now. Reconnect with friends from high school today.

Doctors: Claim Your Name

Your name is being used to advertise for your

mfrumovitz@mdanderson.org



Chromogranin