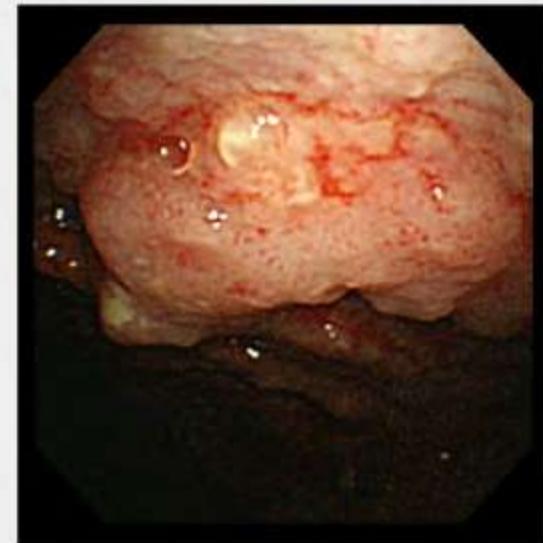
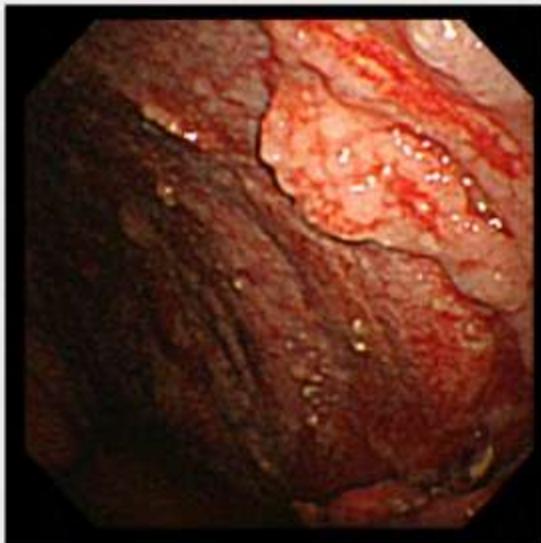
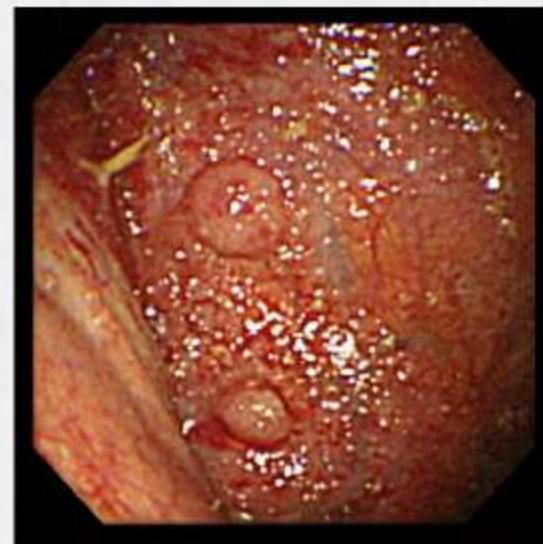
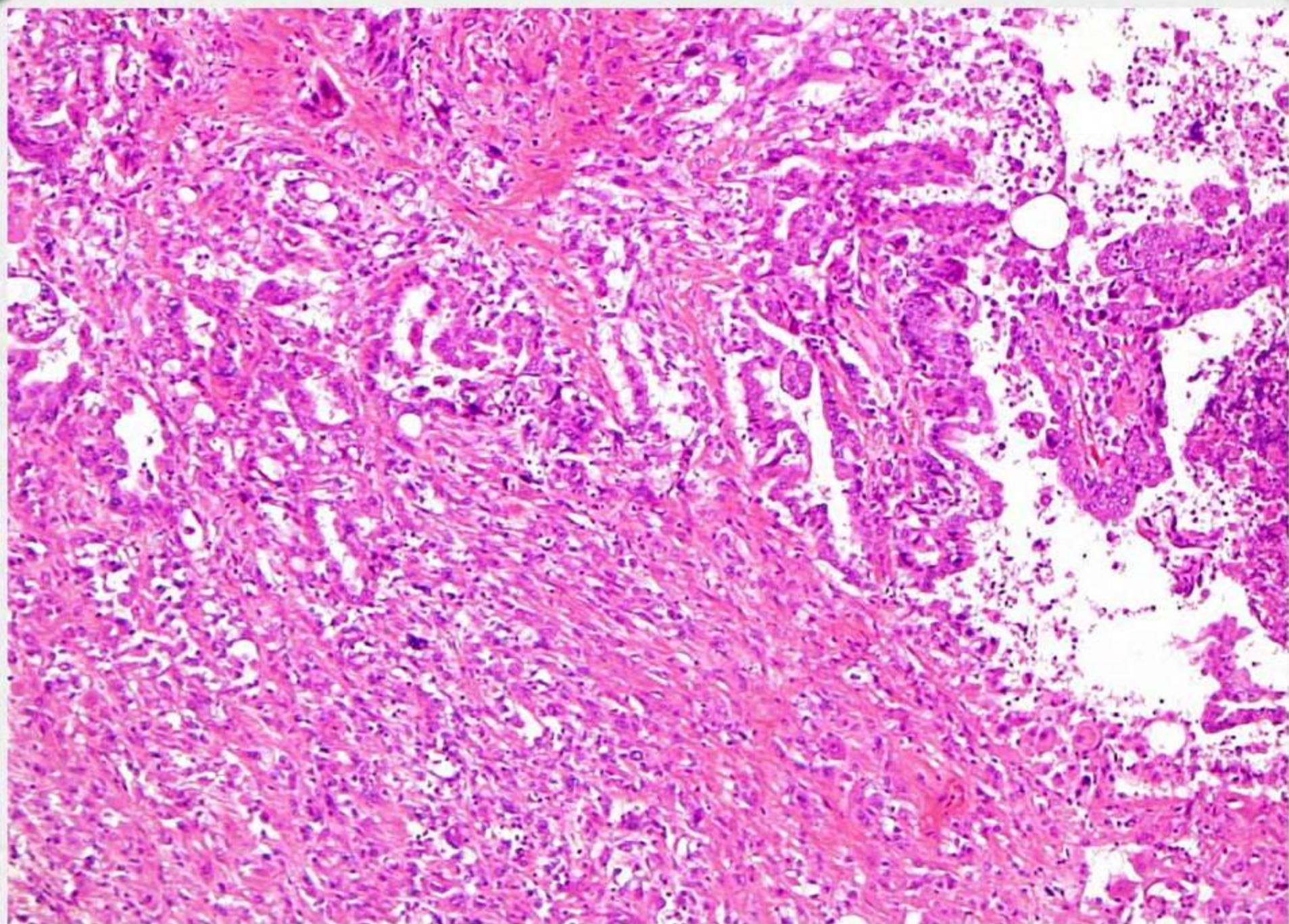


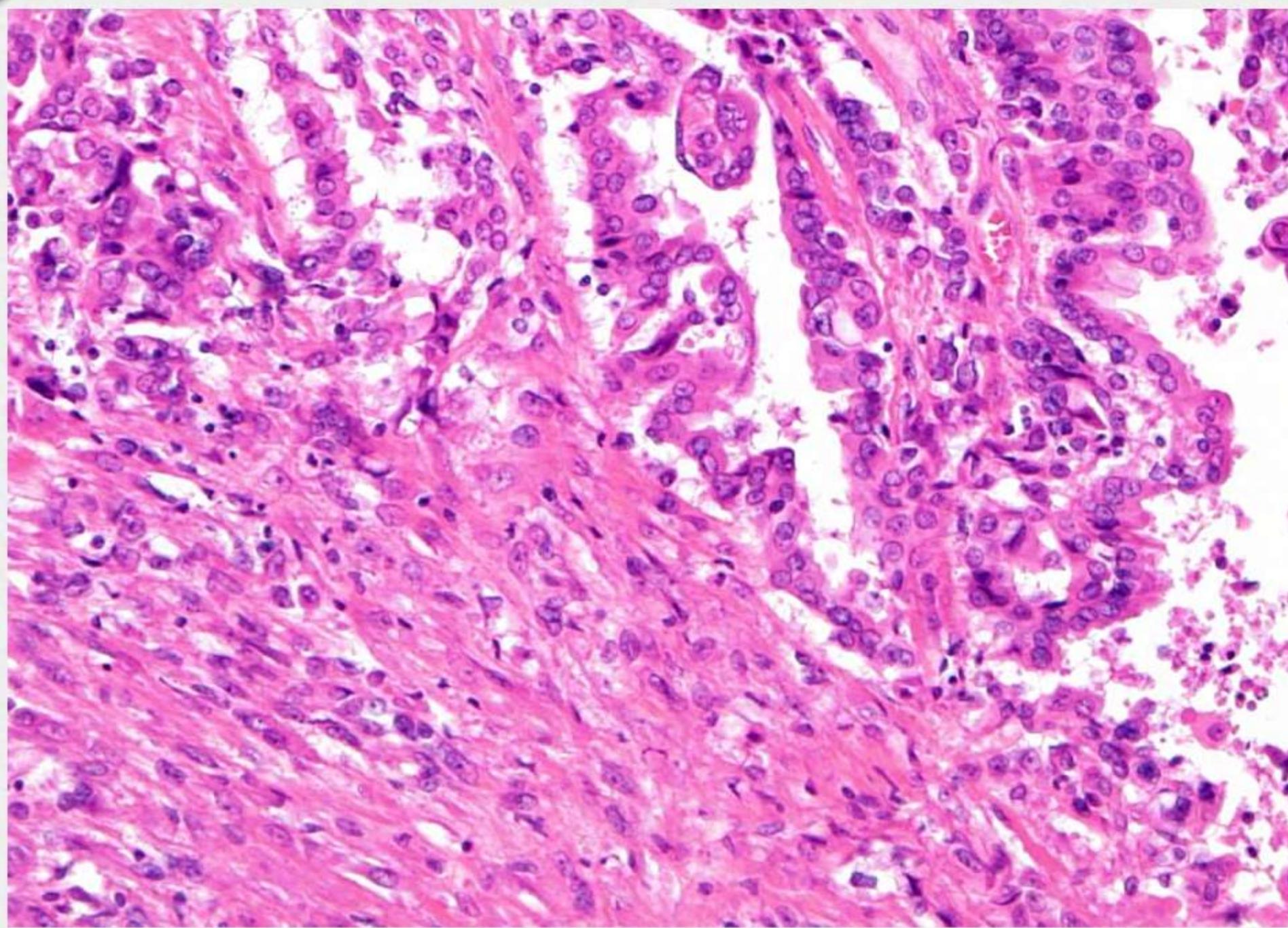
# 症例4(体腔液)解説











# **Malignant mesothelioma, diffuse, biphasic type**

免疫組織化学的検索結果

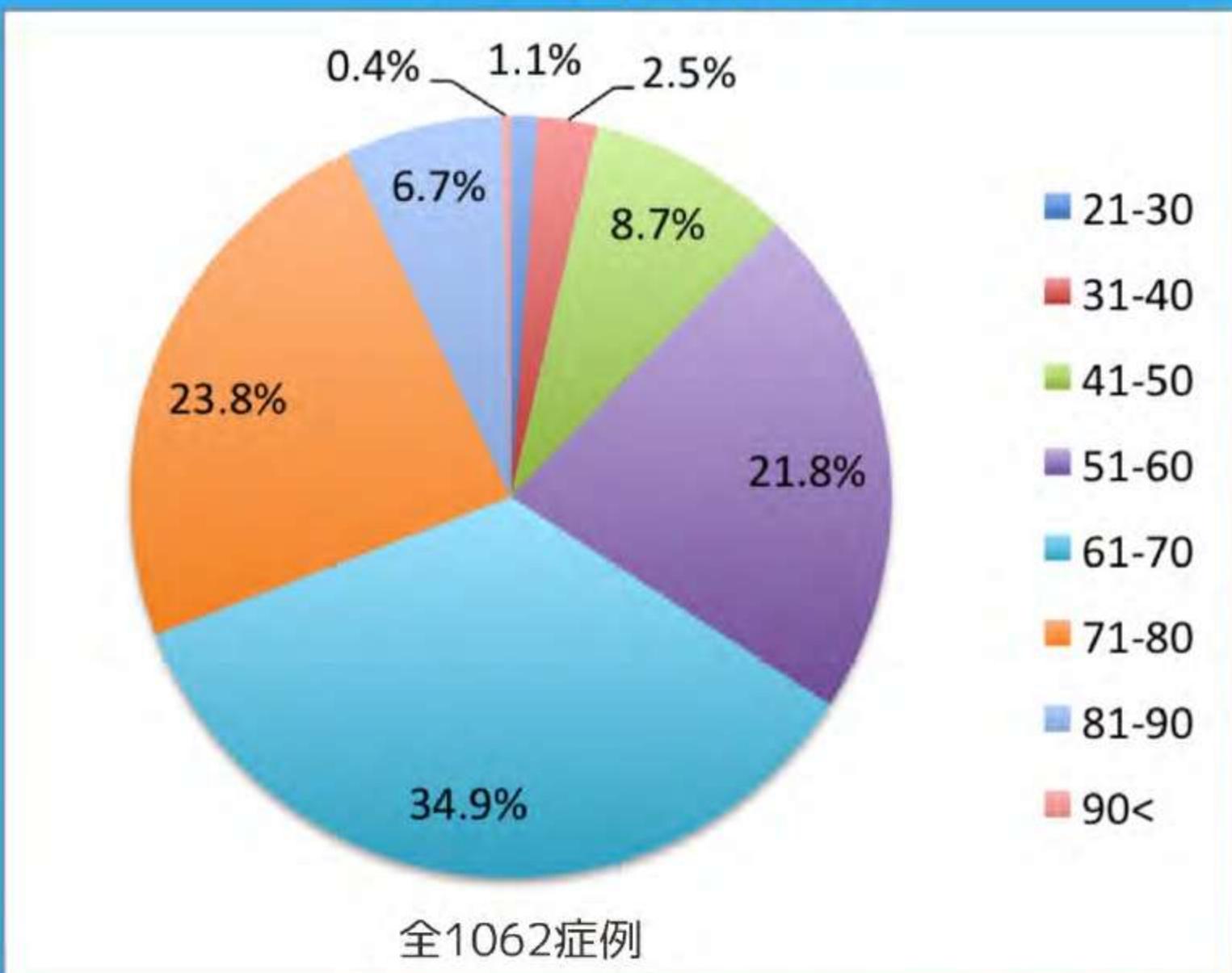
陽性 : EMA, GLUT-1, AE1/AE3, WT1, Calretinin

陰性 : Ber-Ep4, MOC-31

# 悪性中皮腫

- ・年齢頻度
- ・ホジキンリンパ腫との関連性
- ・鑑別診断

# 年齢頻度



National Mesothelioma Virtual Bank より

# ホジキンリンパ腫との関連性

- ・アスベスト非曝露の悪性中皮腫が15%存在する.
- ・精巣腫瘍，リンパ腫後の悪性中皮腫発生の症例報告.

De Bruin ML, et al. Malignant mesothelioma after radiation treatment for Hodgkin lymphoma. Blood. 2009;113:3679-81.

- ・ホジキンリンパ腫の放射線治療後（全2,567例），悪性中皮腫が発生した13症例を報告（0.51%）. 平均27年後の発生. 30倍のリスク.
- ・悪性中皮腫と放射線治療との関連性を指摘.

Neugut AI, et al. Incidence of malignant pleural mesothelioma after thoracic radiotherapy. Cancer. 1997;80:948-50.

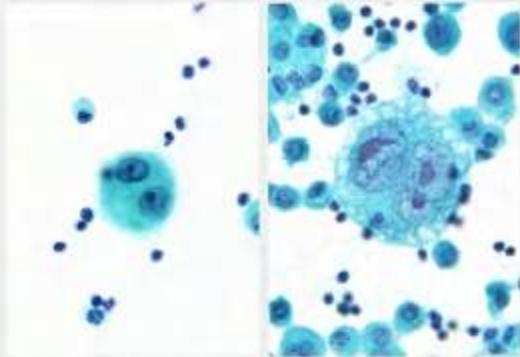
- ・胸部への放射線治療後の悪性中皮腫発生を調査.
- ・251,750例の乳癌患者で，悪性中皮腫発生は6例. そのうち放射線治療後は2例，非治療後は4例. 因果関係はなし.

	Hodgkin		non-Hodgkin		All Lymphomas	
	n	Mesothelioma	n	Mesothelioma	n	Mesothelioma
No radiation	6,566	1	40,548	9	47,114	10
Radiation	5,610	4	14,220	7	19,830	11

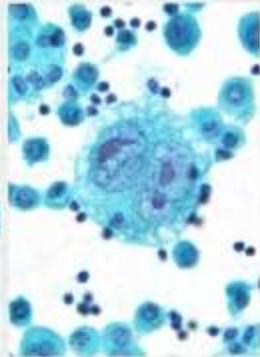
Teta MJ, et al. Therapeutic radiation for lymphoma. Cancer 2007;109:1432-8.

放射線治療が悪性中皮腫の原因となる。

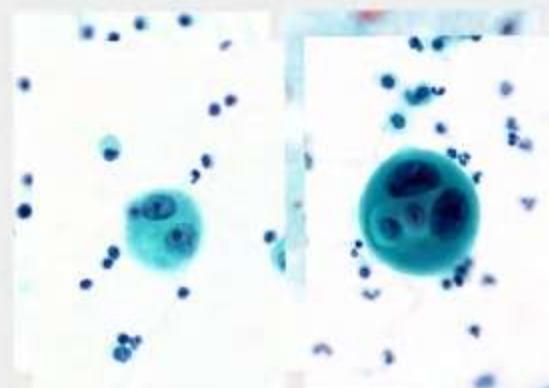
# 鑑別診断



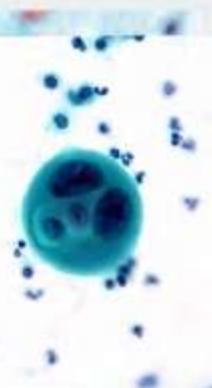
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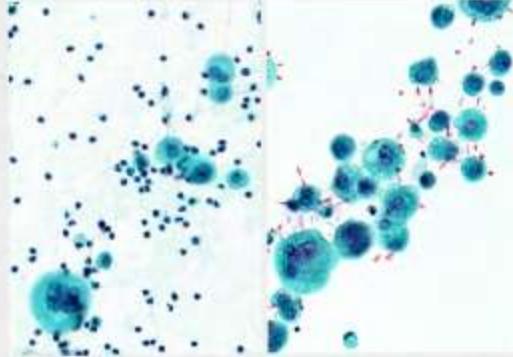
ホジキンリンパ腫



本症例

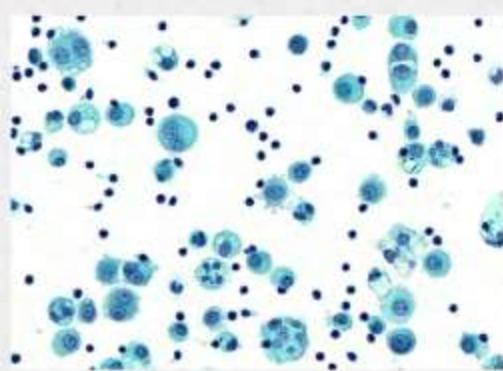


扁平上皮癌

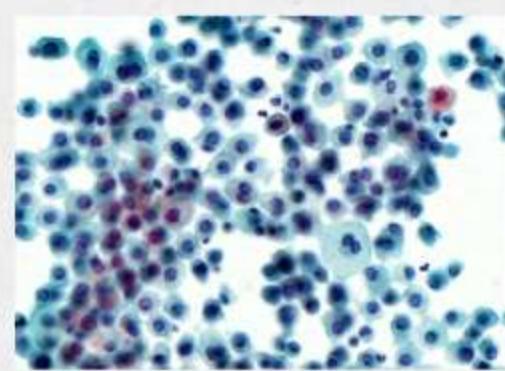


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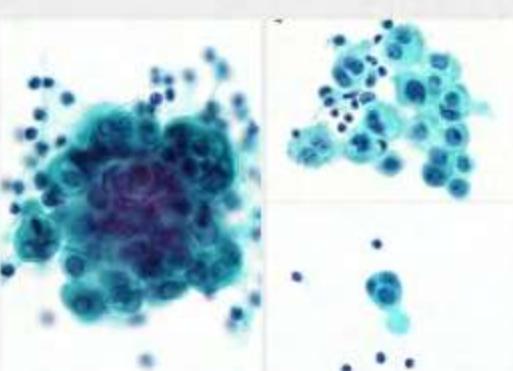
腺癌



反応性中皮

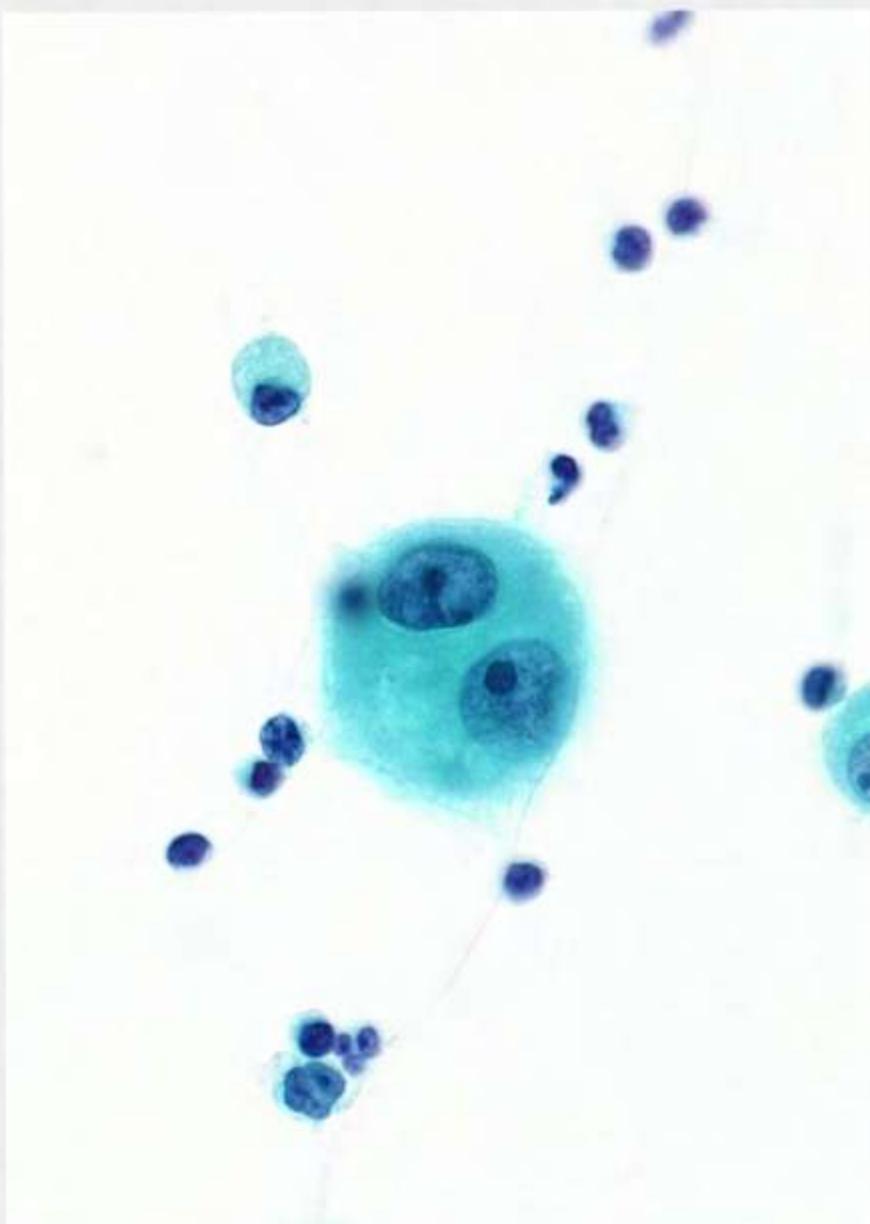


悪性中皮腫（別症例）

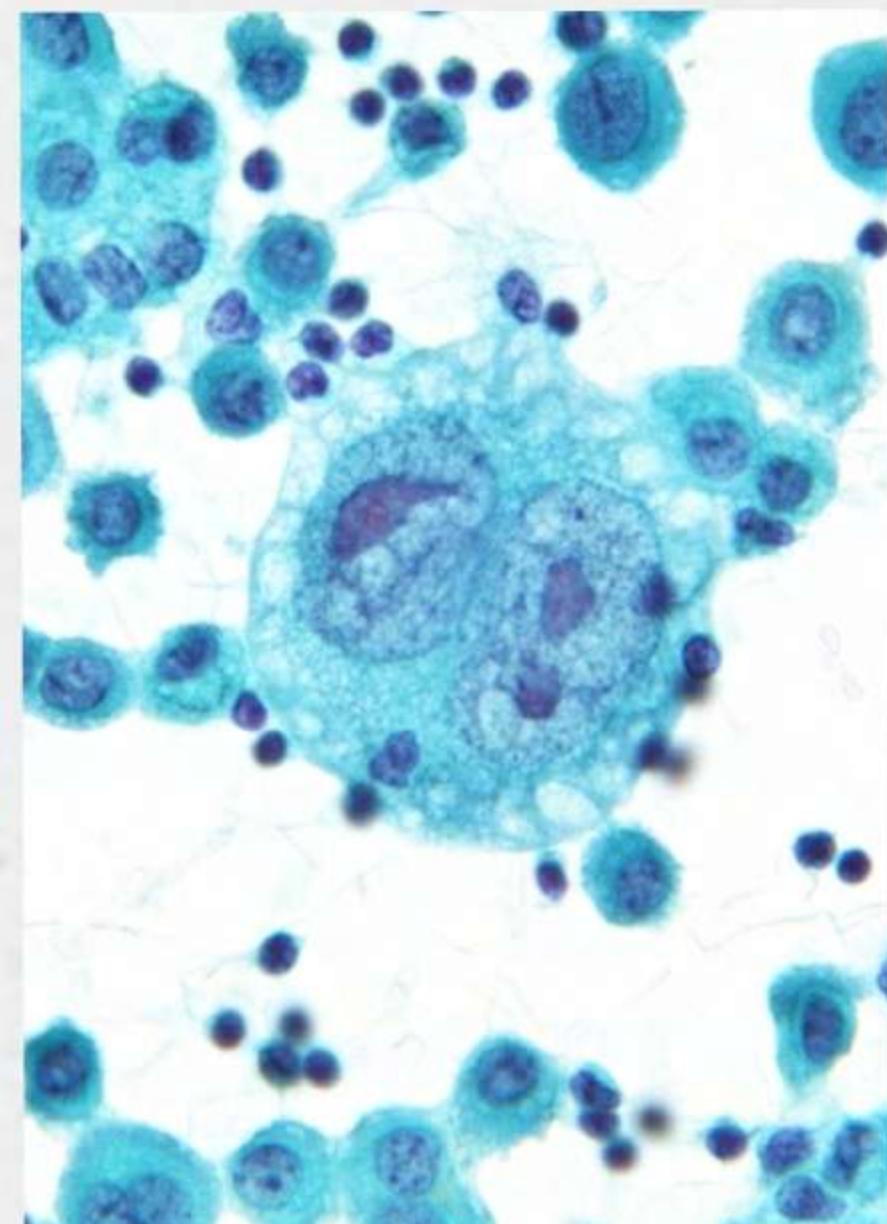


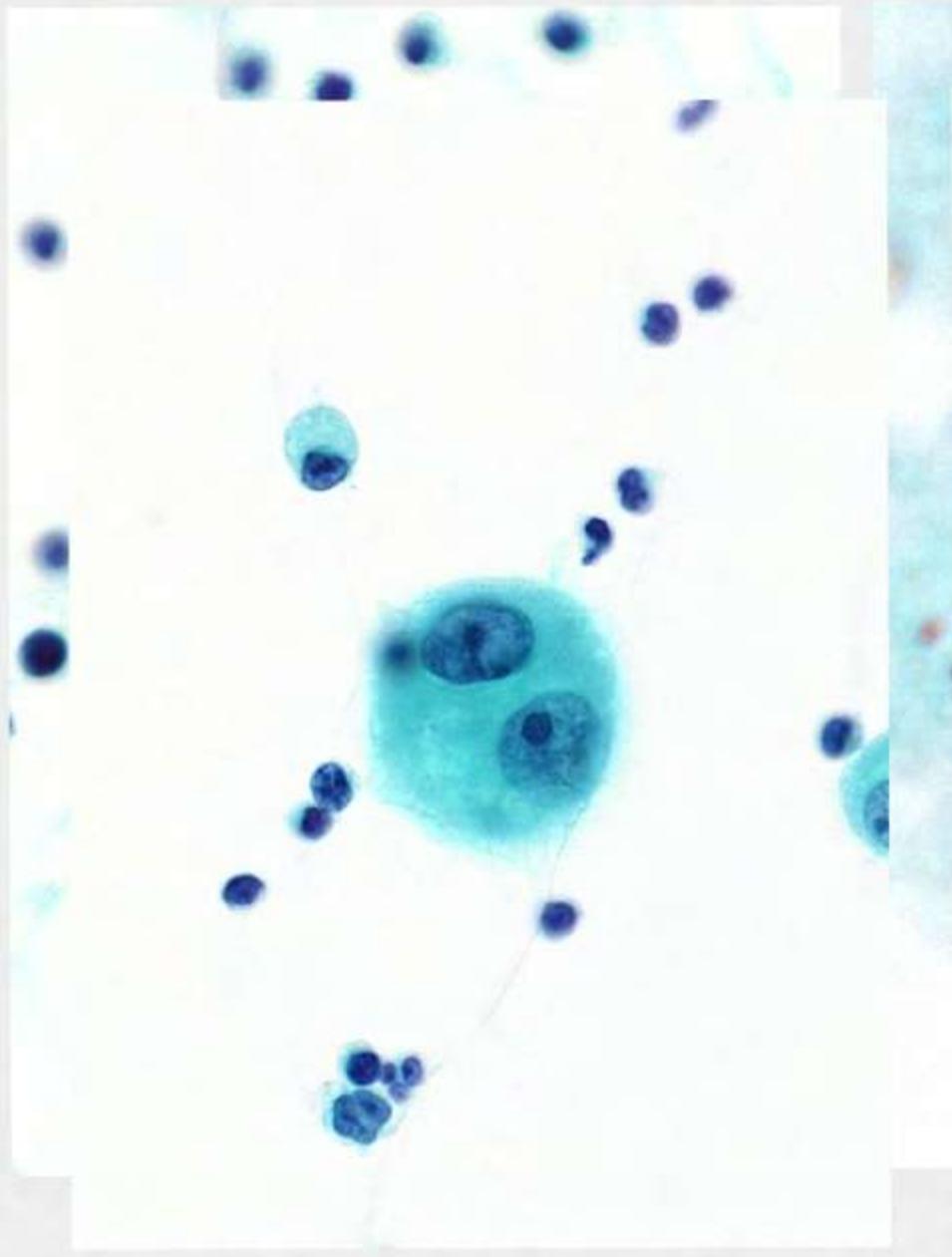
本症例

本症例

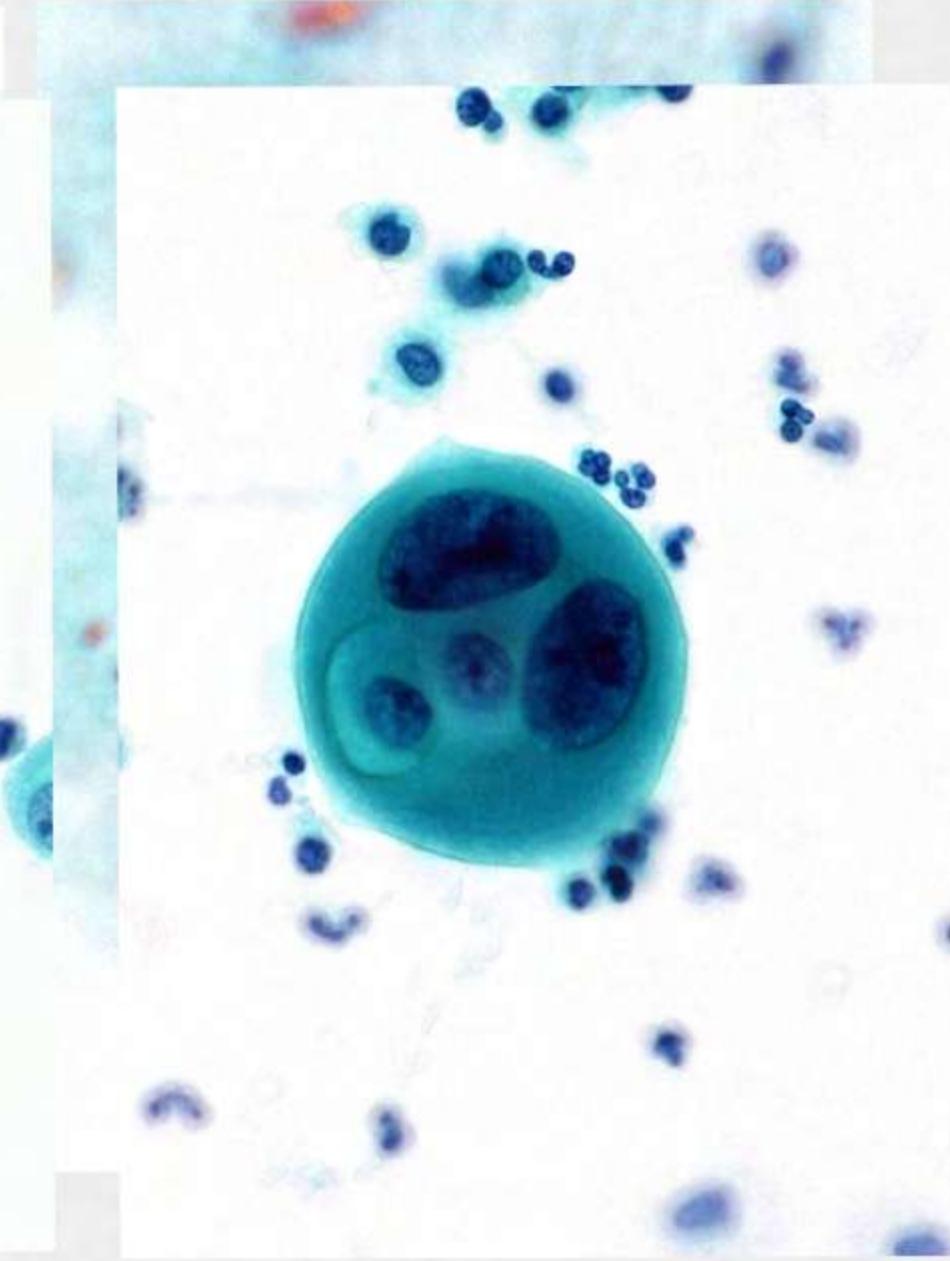


ホジキンリンパ腫

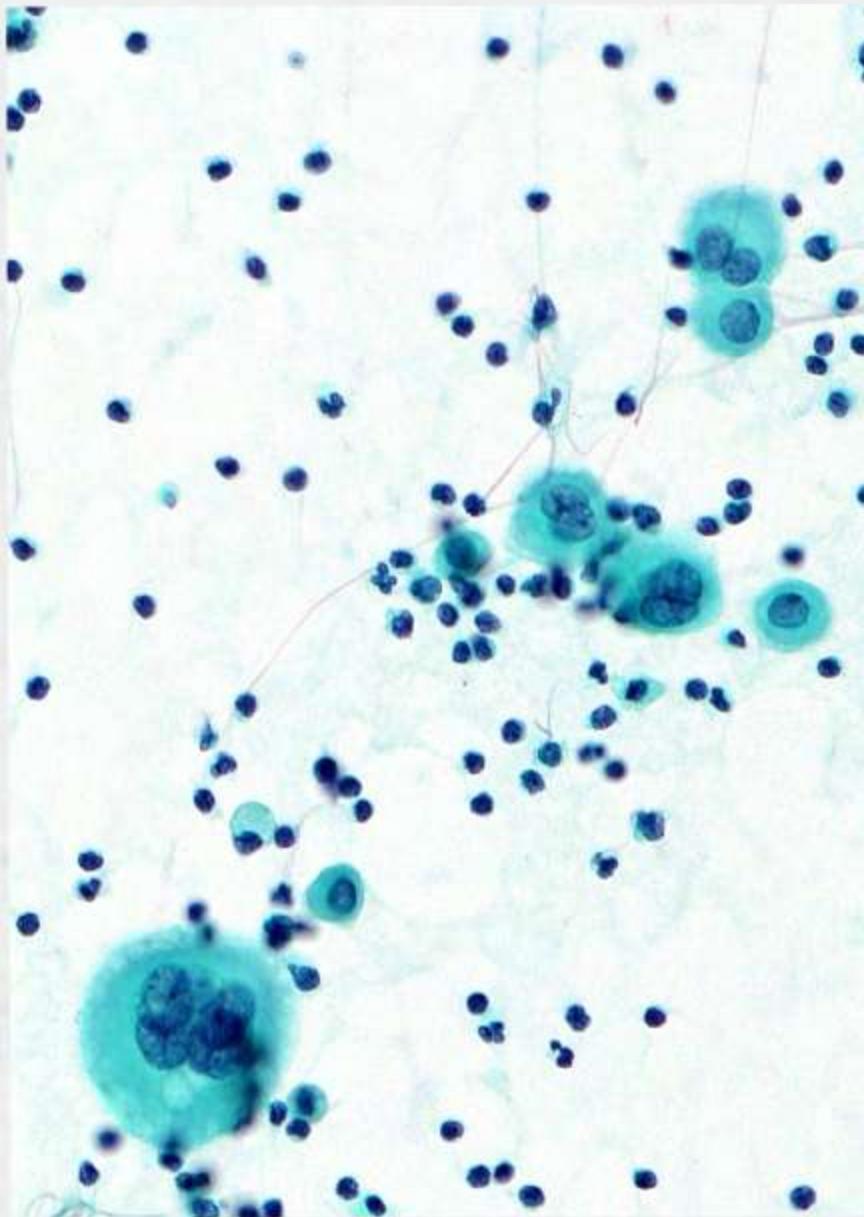




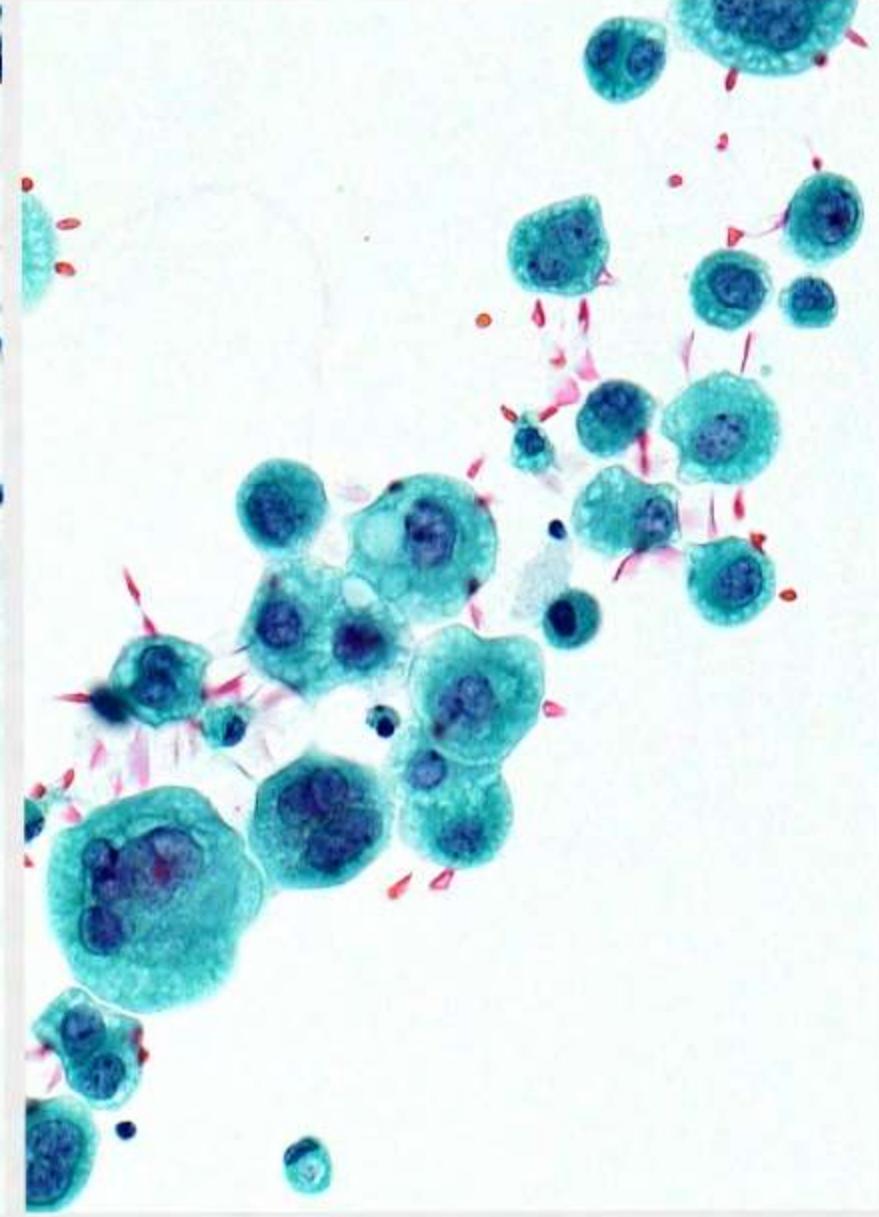
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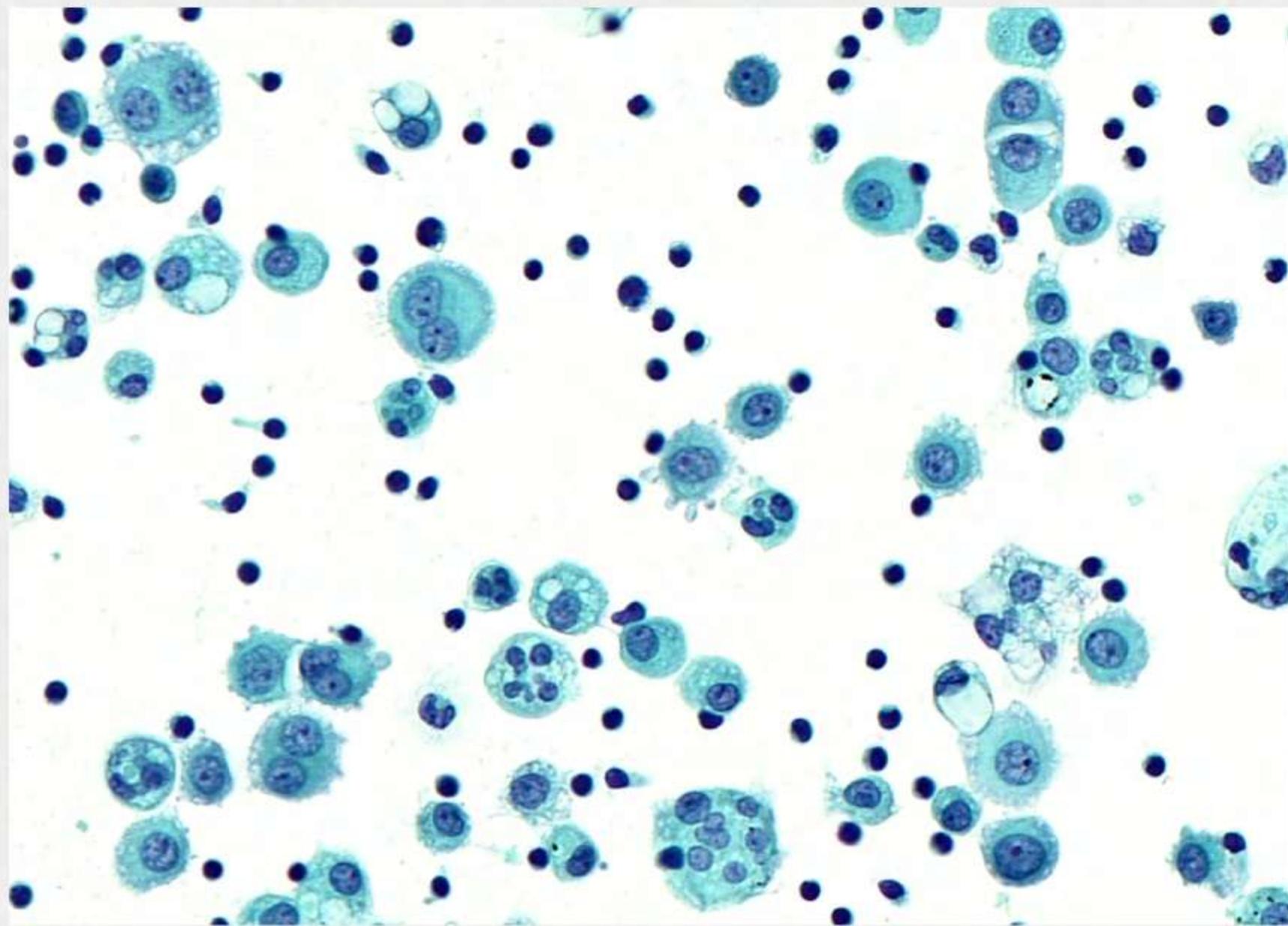
扁平上皮癌



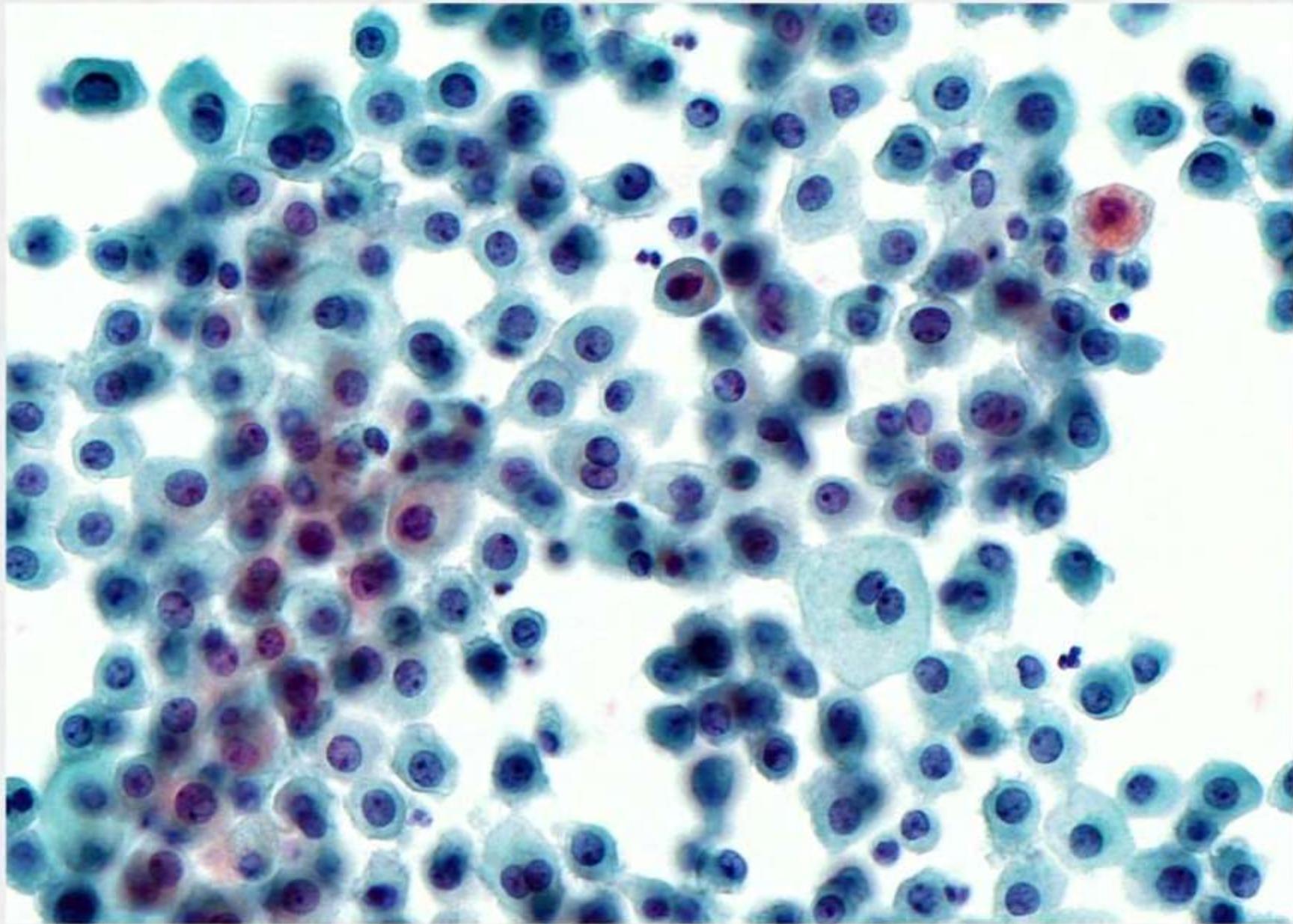
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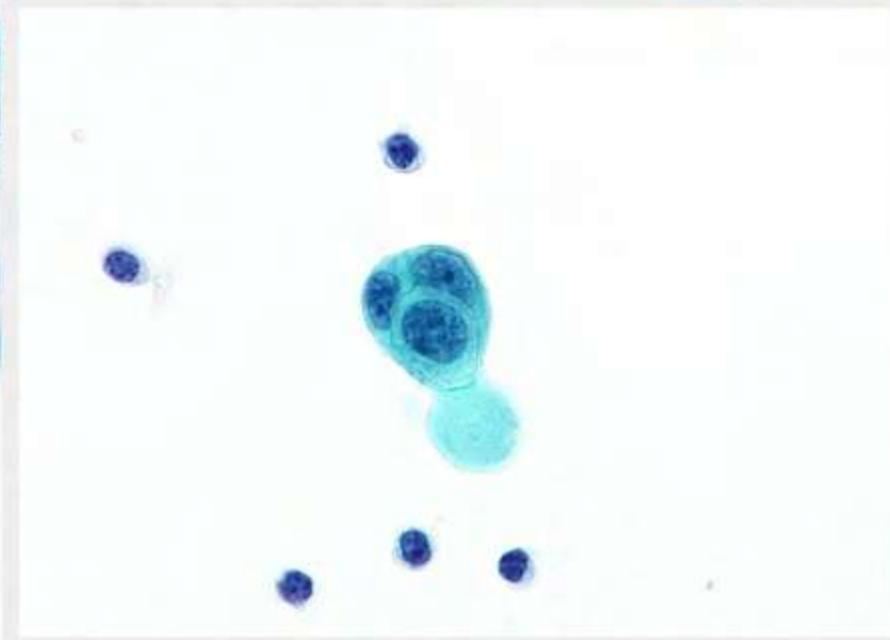
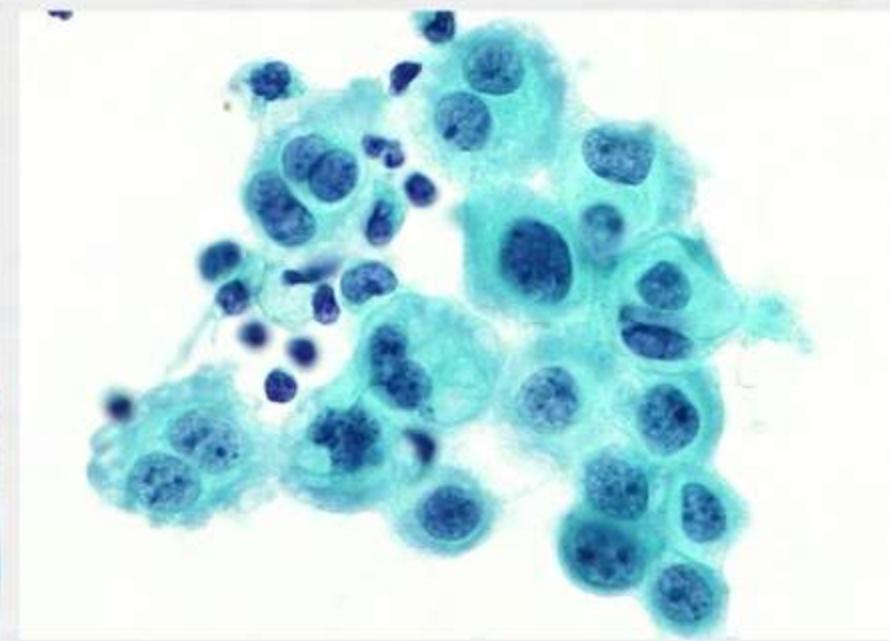
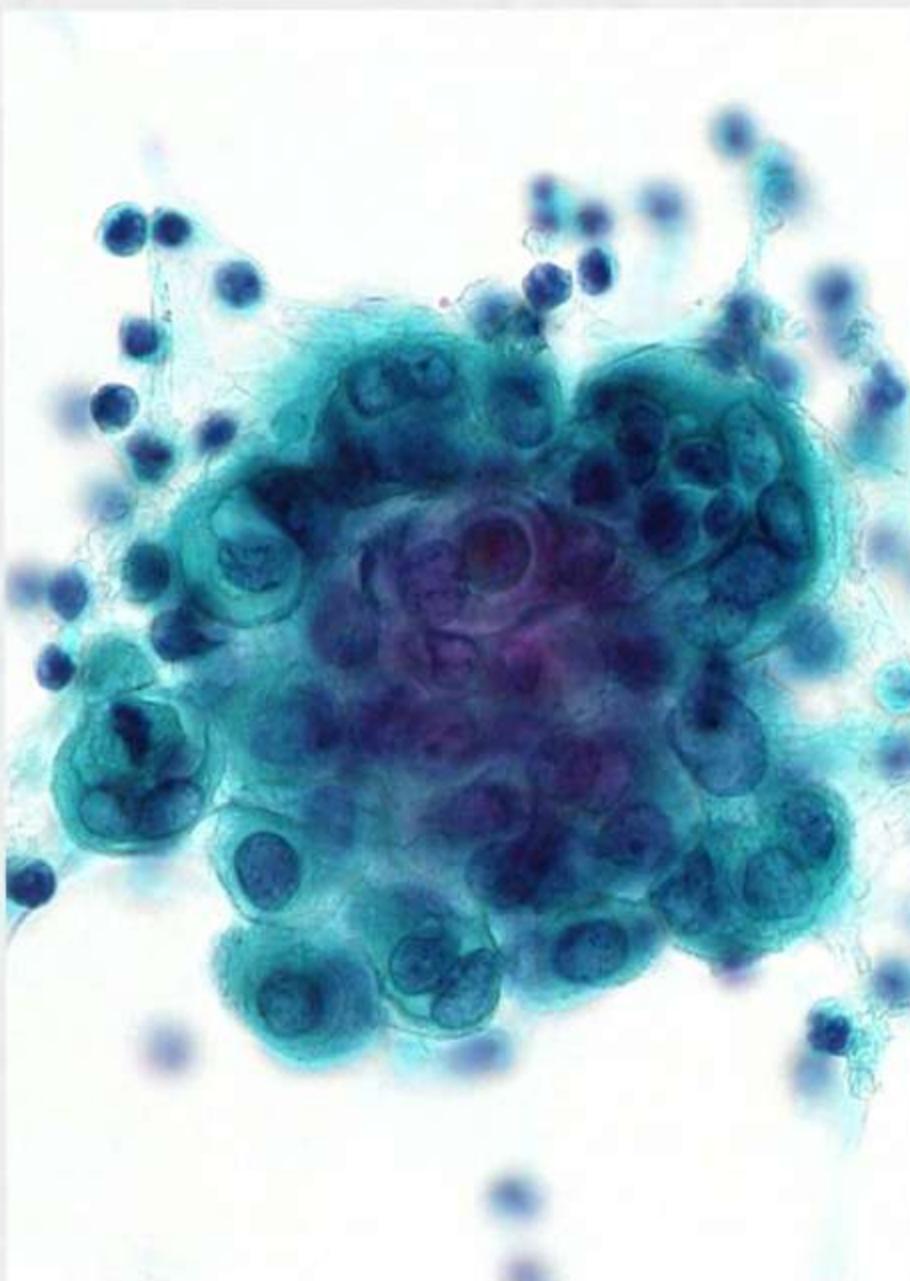
腺癌



反応性中皮



悪性中皮腫（別症例）



本症例