

ThinPrep[®]の形態学

上皮細胞の異常所見



ThinPrep®の特徴

- 湿固定
- 細胞の大きさ
- 塗抹パターン
- 標本の背景
- 類似点 > 相違点

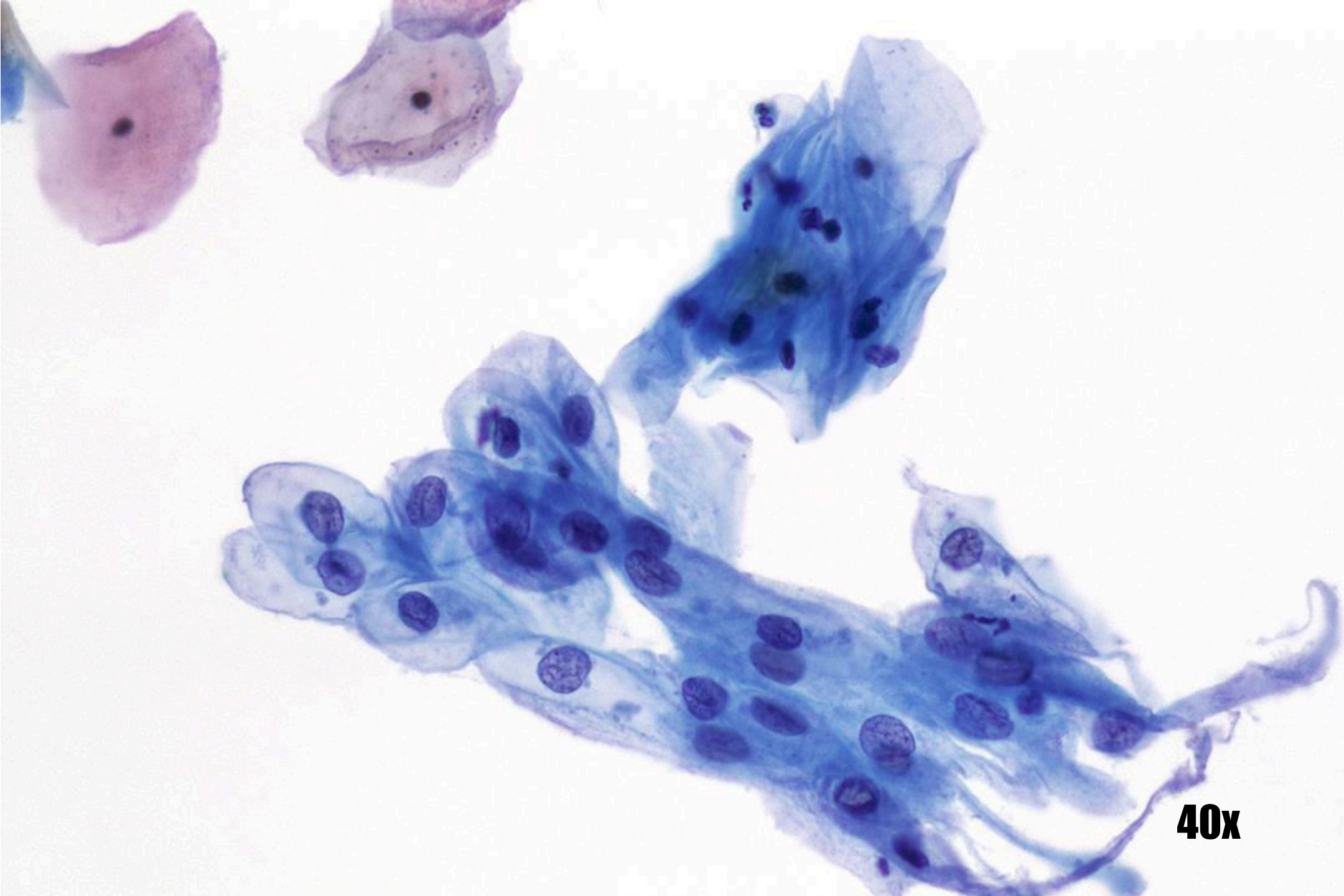


上皮細胞異常-扁平上皮細胞

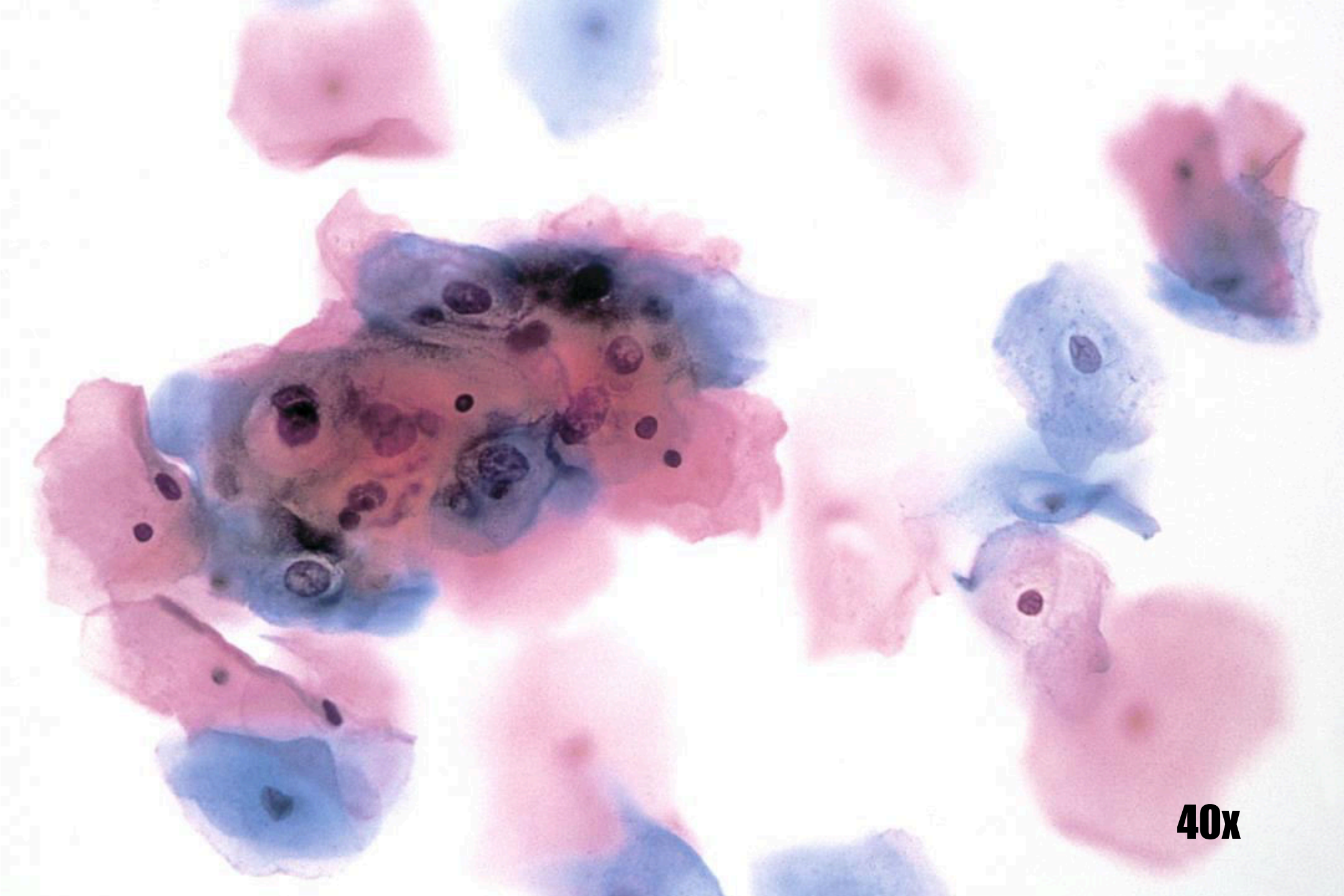
ASC-US（意義不明の異型扁平上皮細胞）

- シート状または孤立性に見られる
- 核は中間型の核の $2^{1/2}$ ~3倍
- クロマチンの分布が均一
- 調整によるアーチファクトが減少

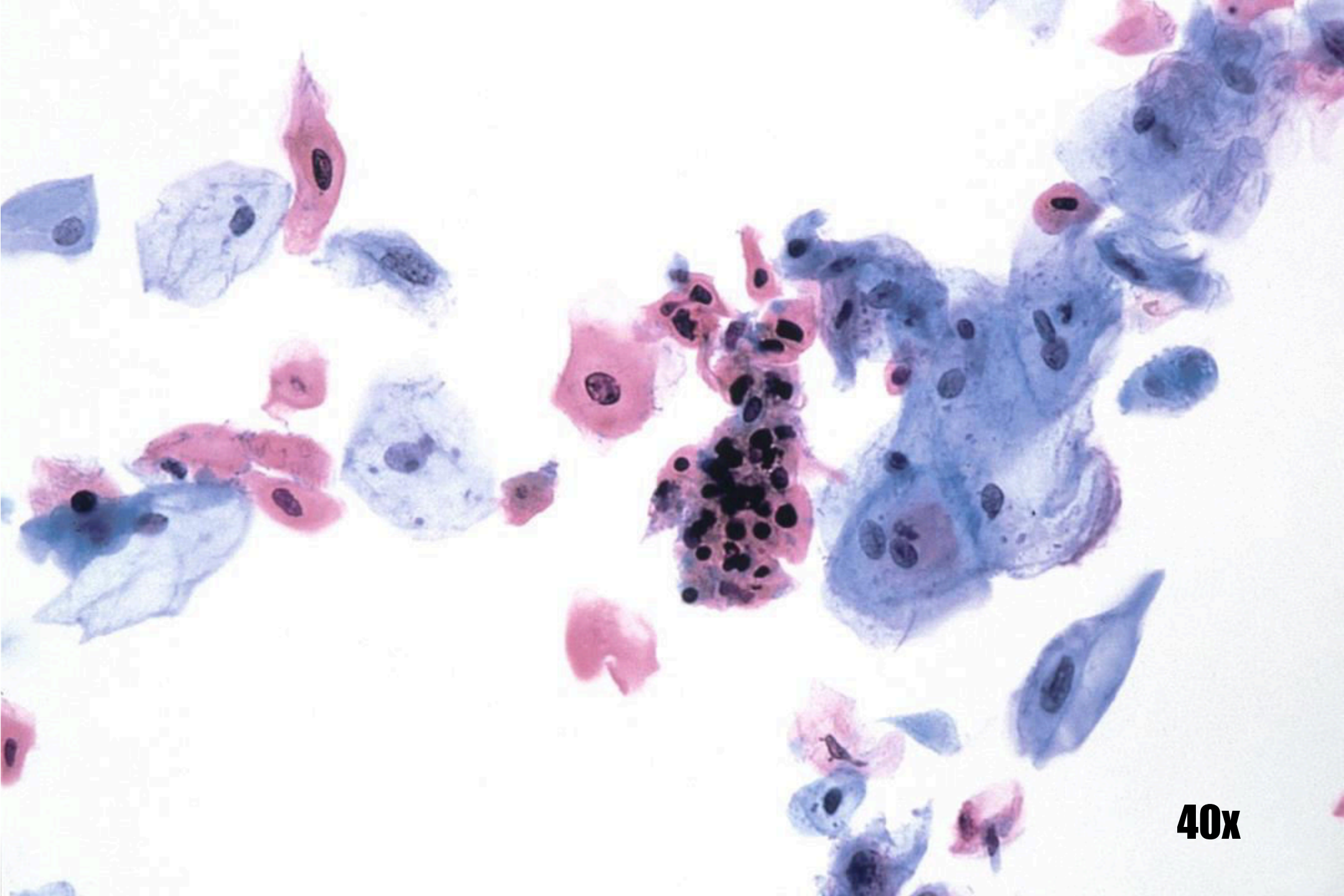




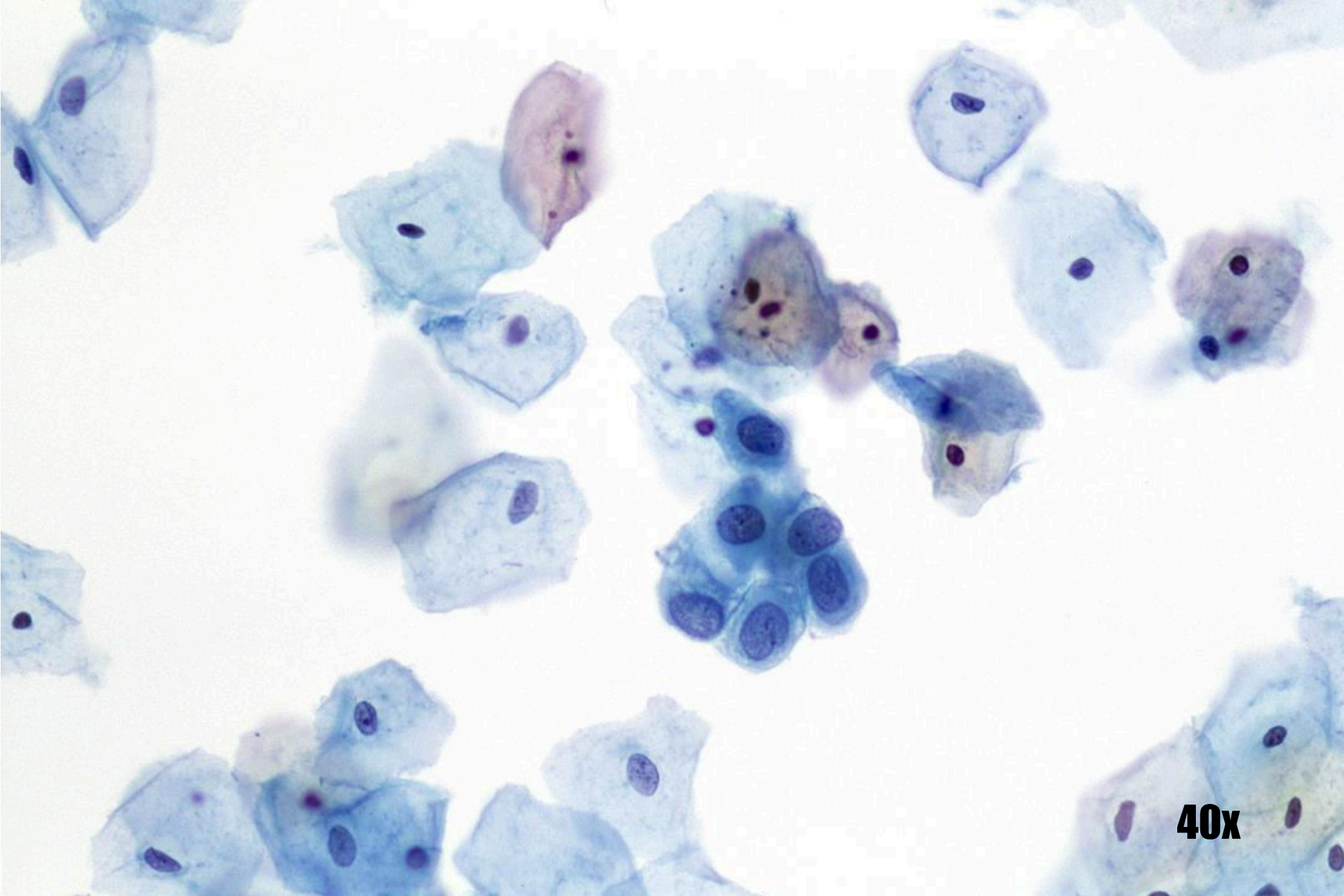
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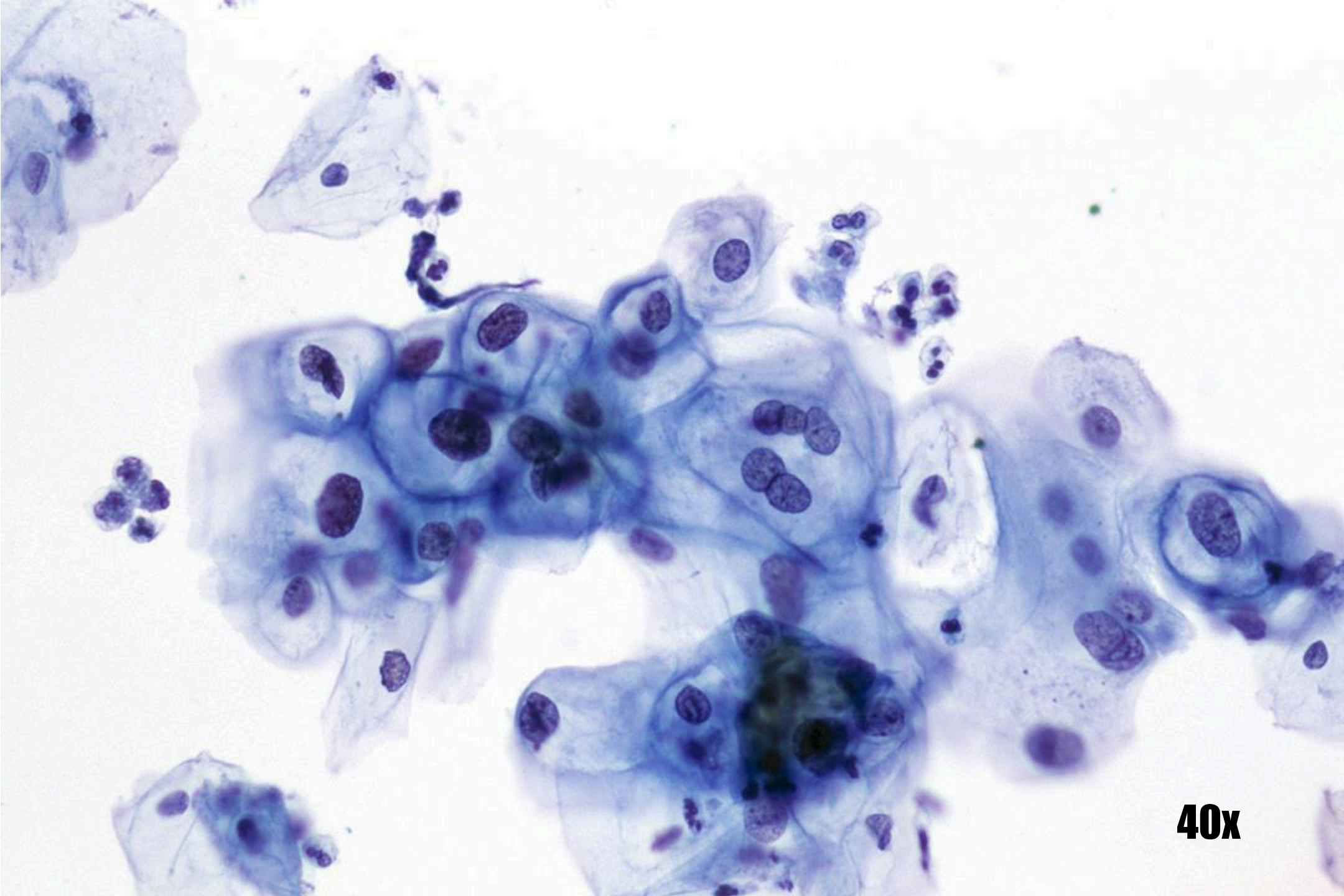
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上皮細胞異常-扁平上皮細胞

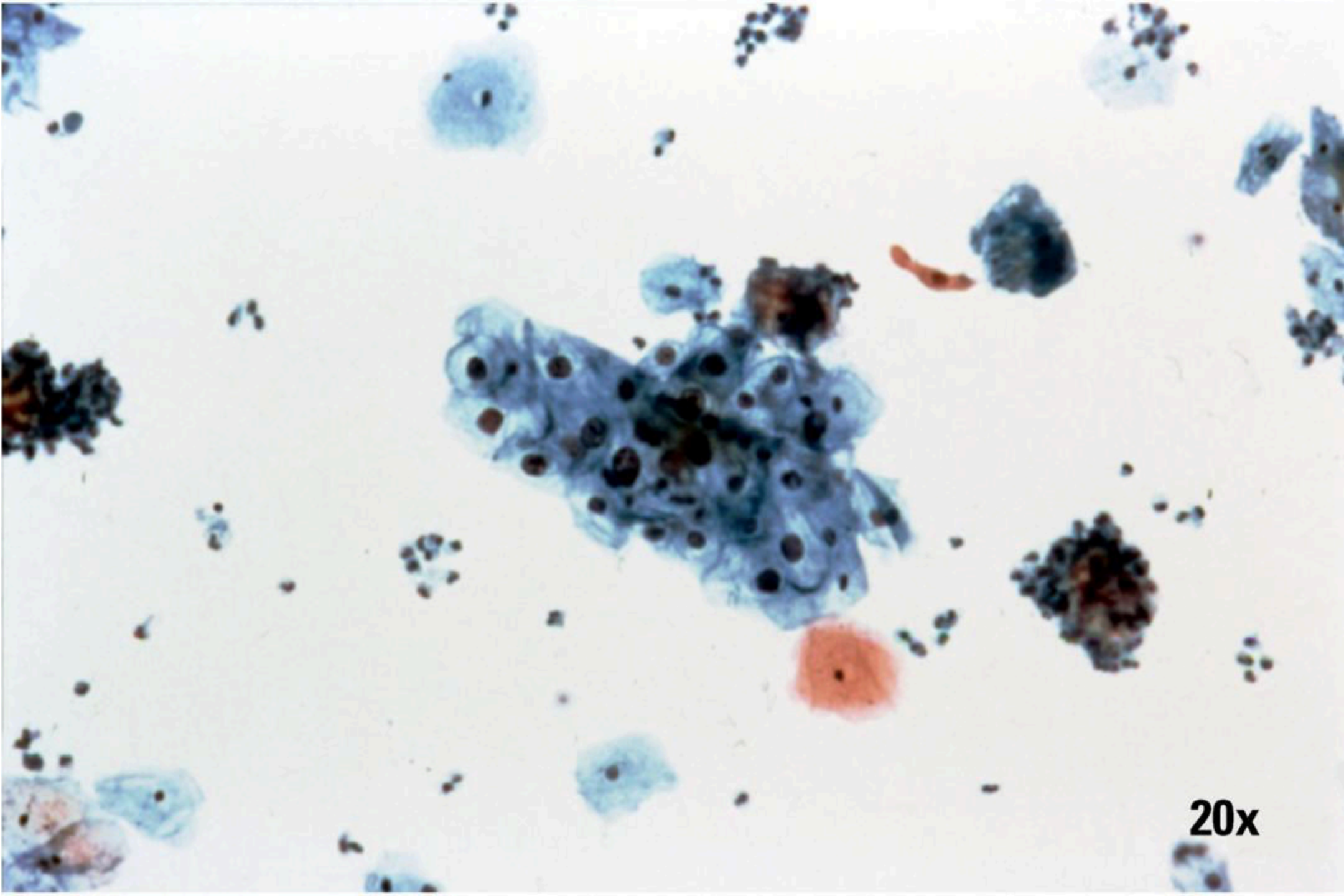
LSIL（軽度異型扁平上皮内病変）

- 細胞細部の明瞭化
- 核膜の不整
- 中間型の核の3~4倍の大きさ
- 鋭角的で不整な細胞質空洞化（HPVの影響）

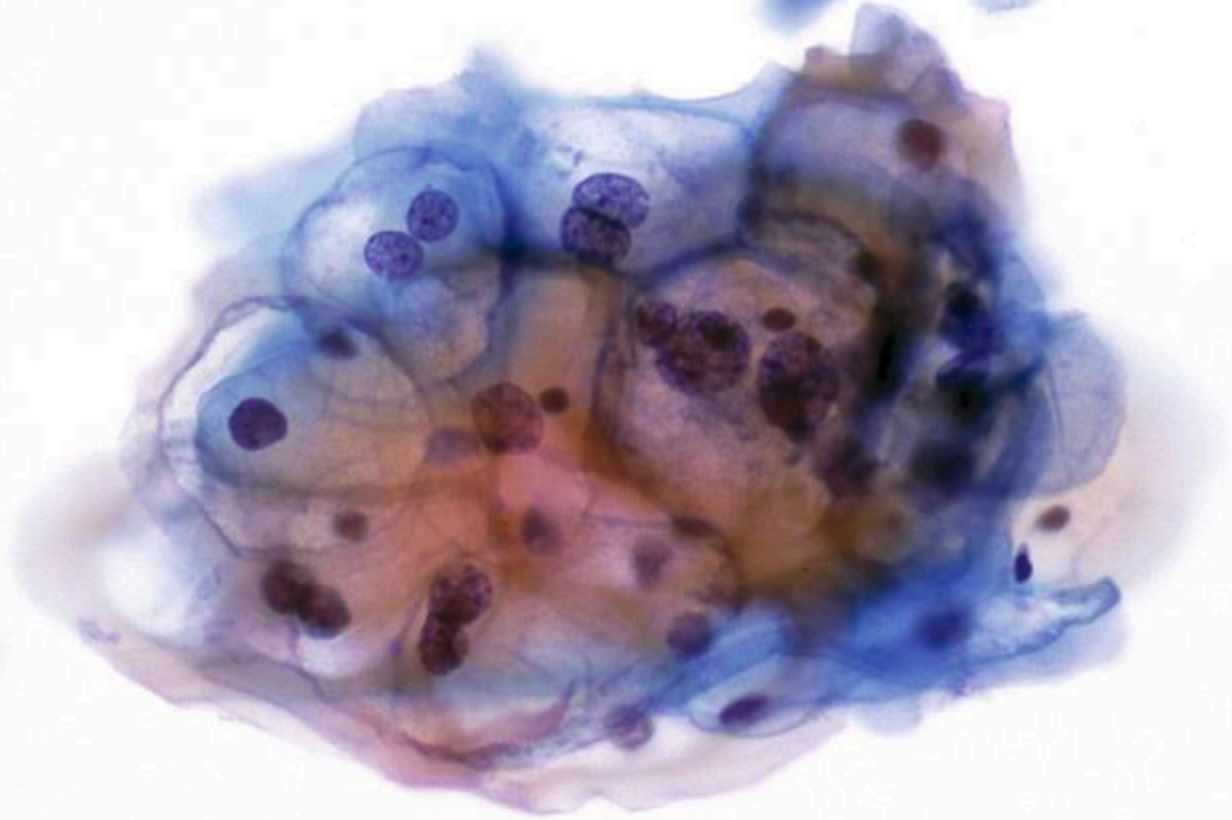




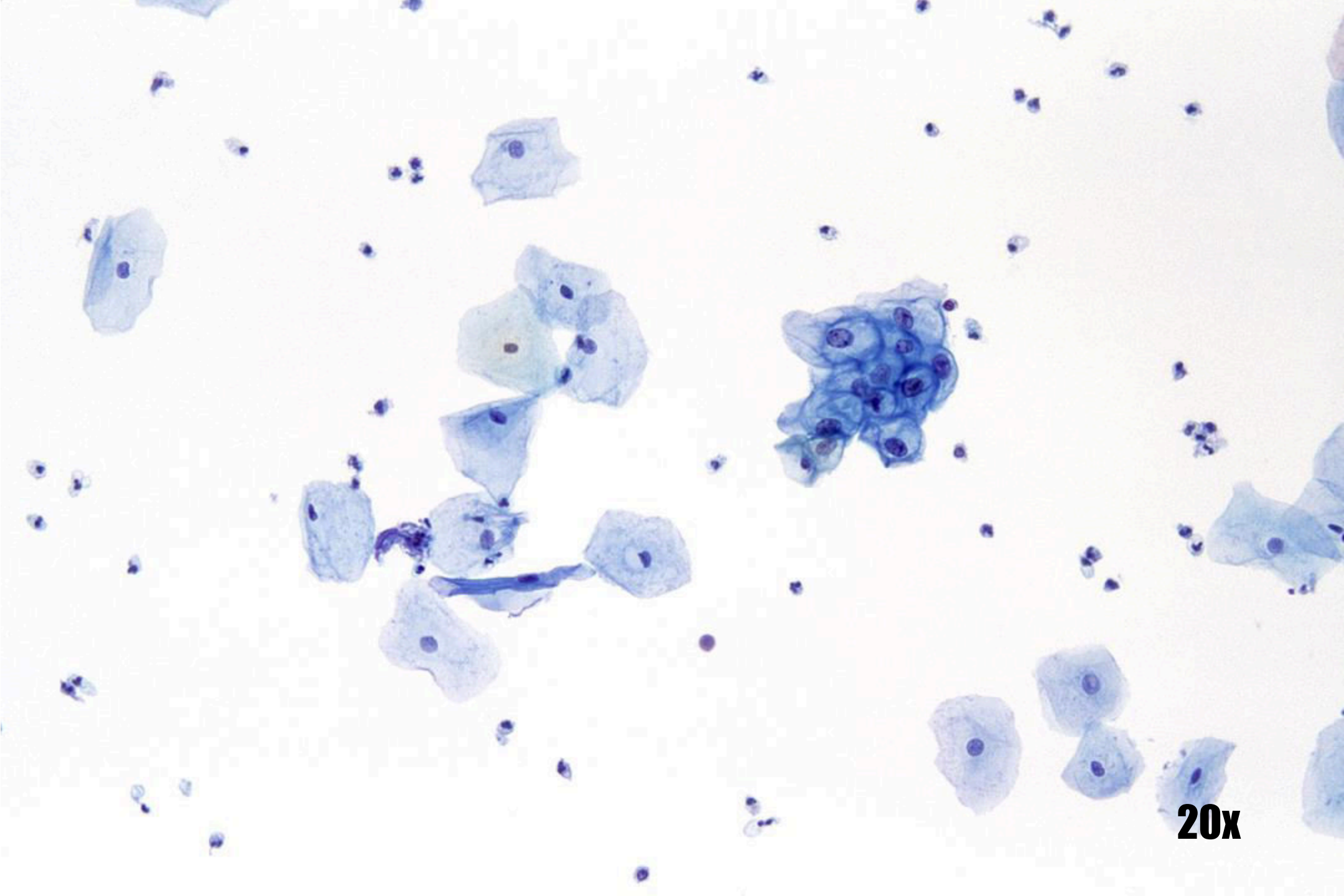
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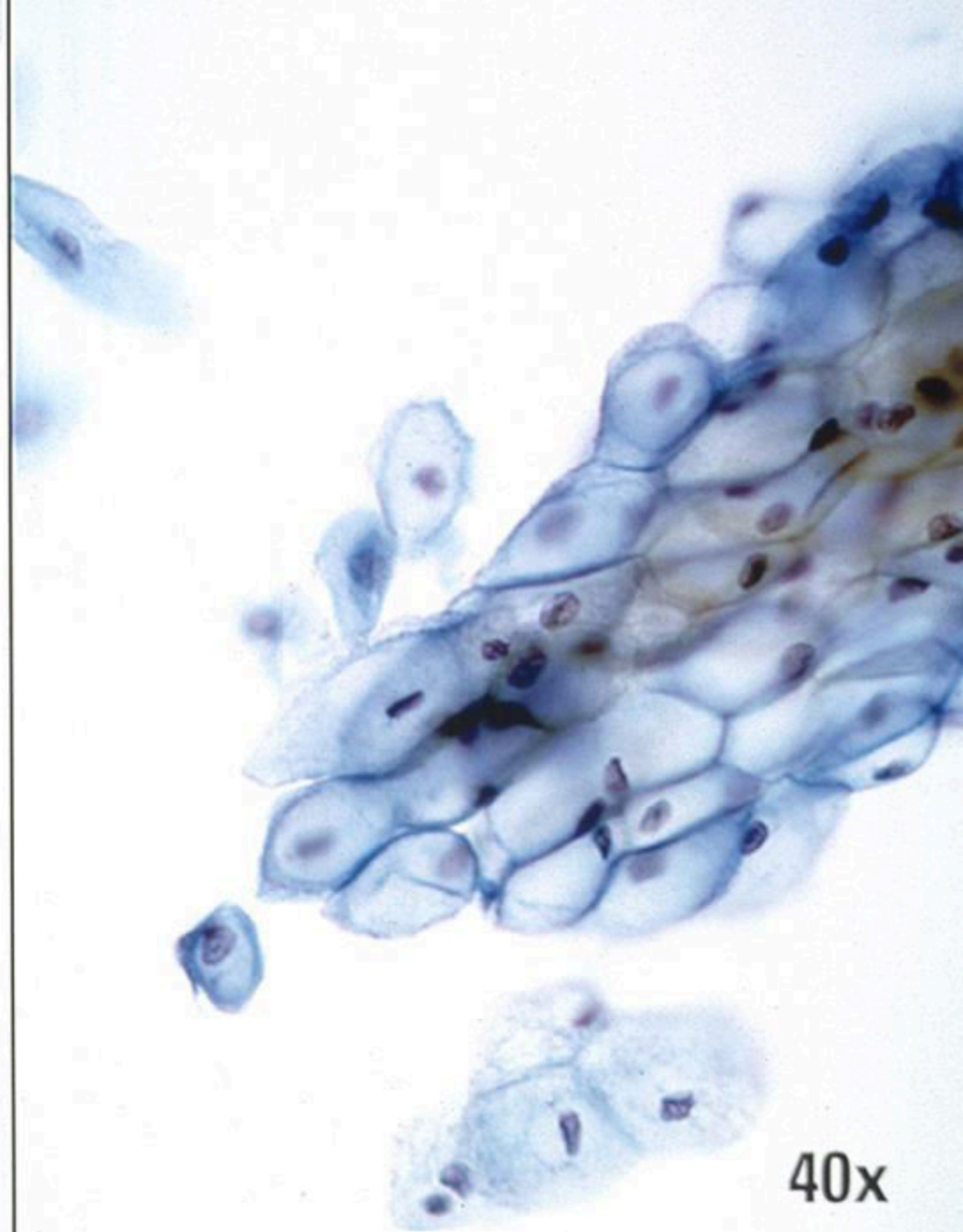
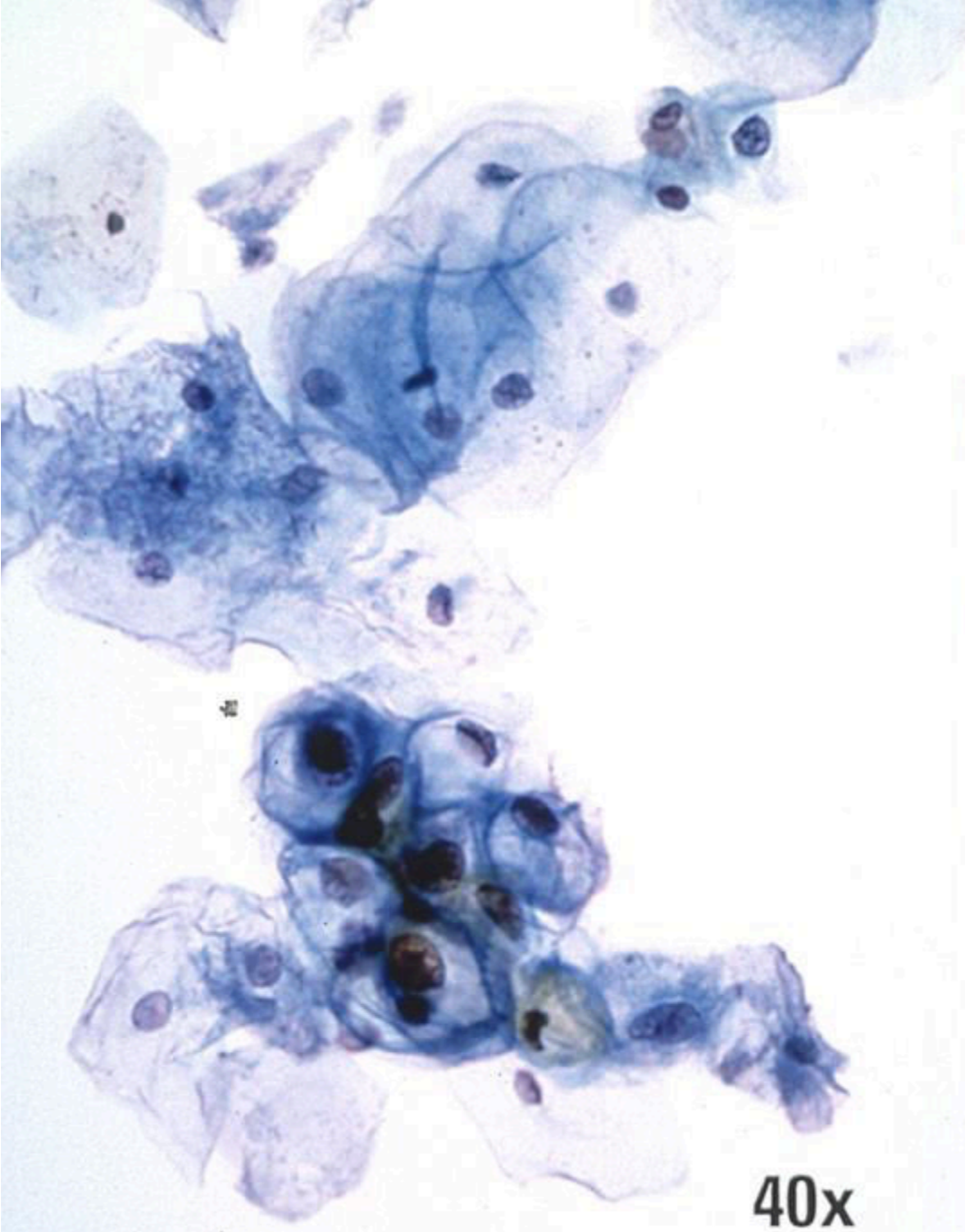
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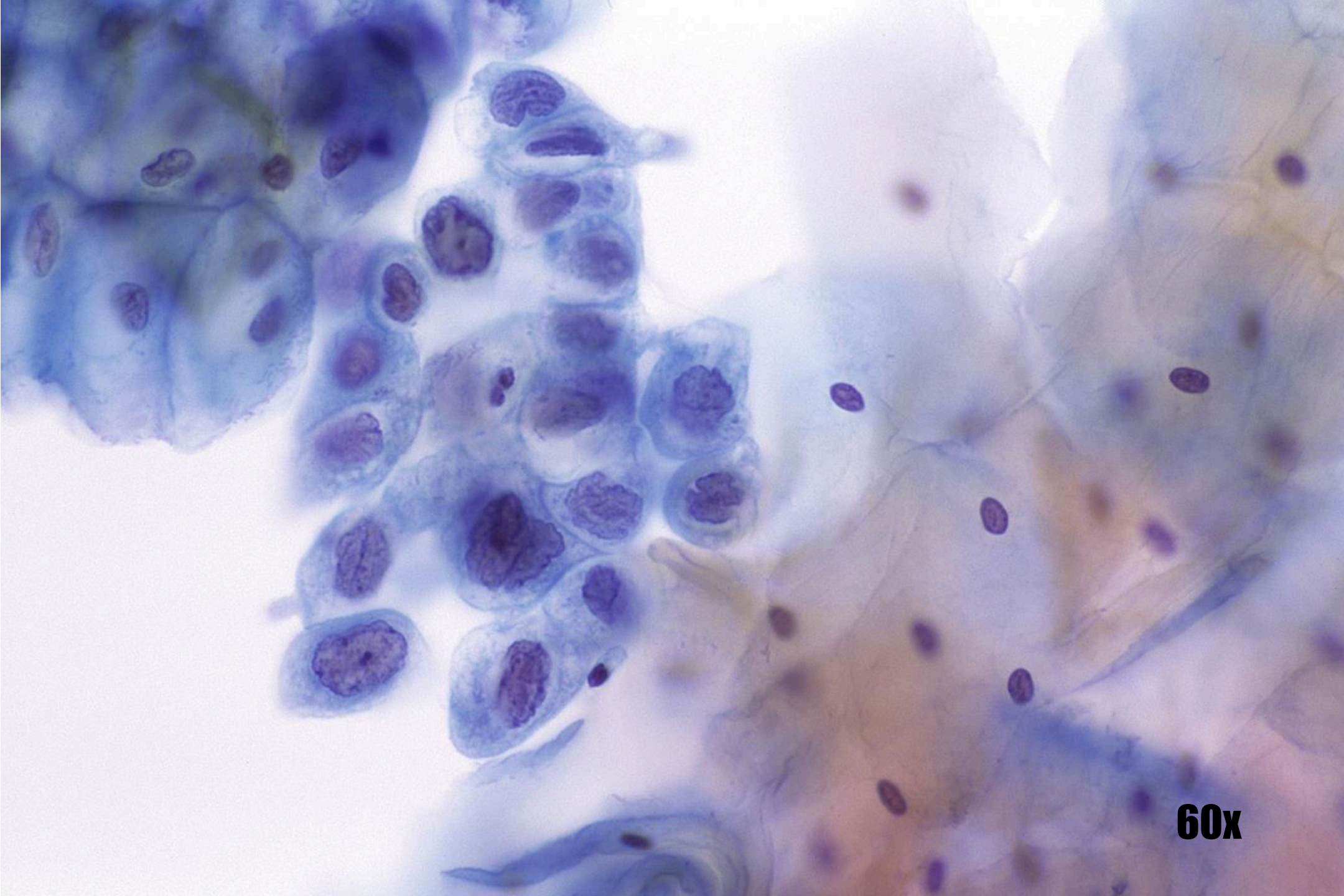
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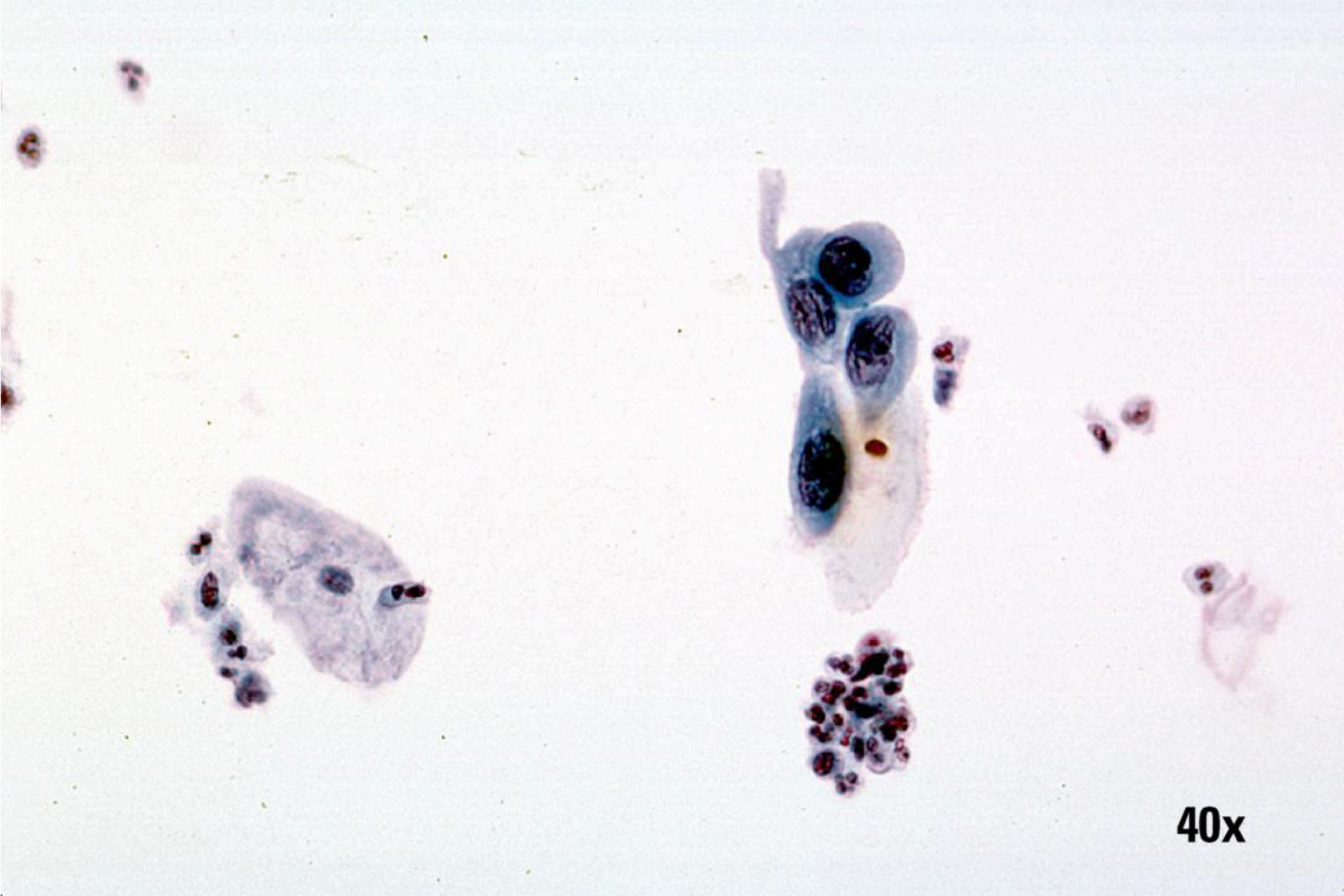
上皮細胞異常-扁平上皮細胞

HSIL

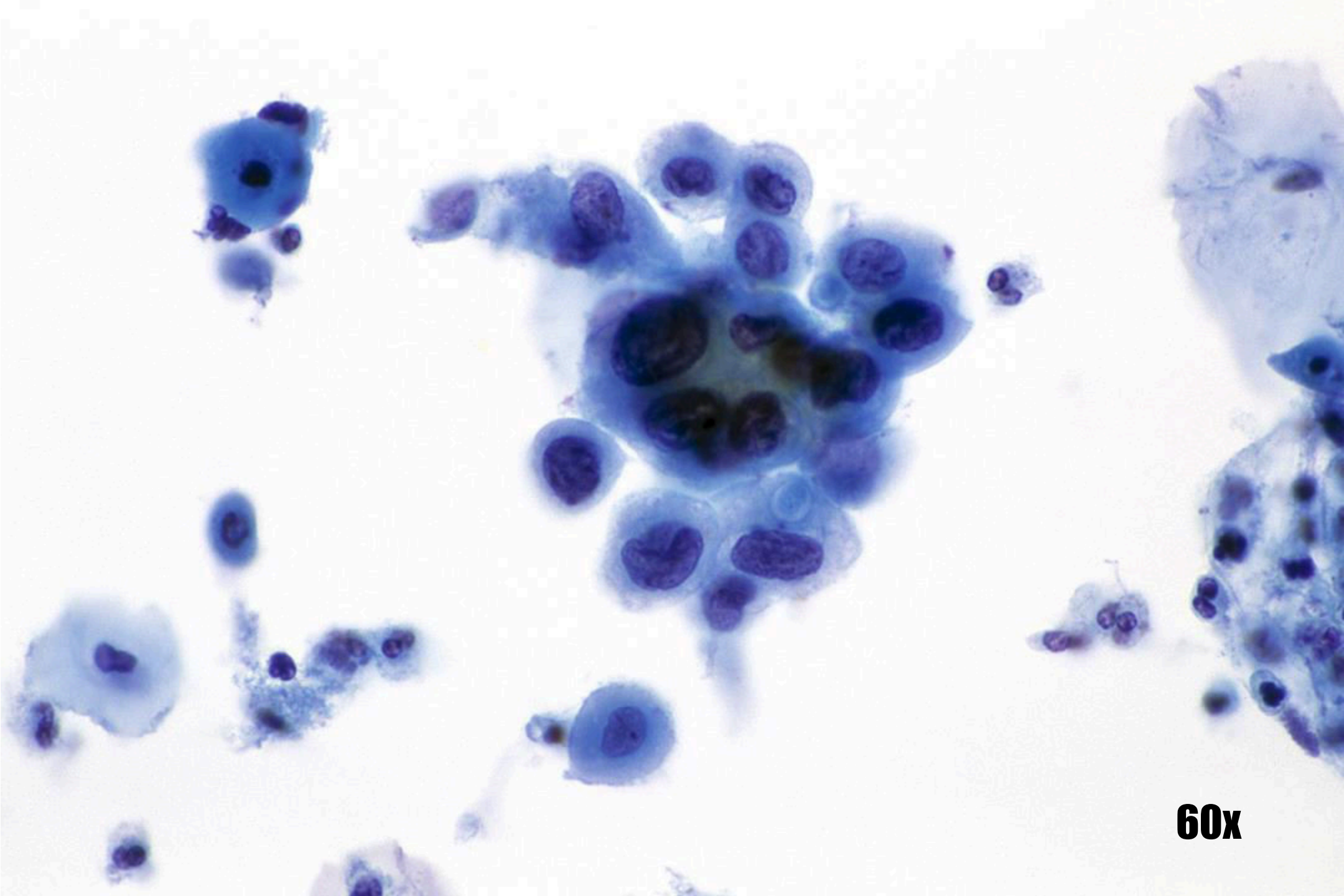
- シート状および合胞体の細胞群の維持
- 明瞭な細胞質の辺縁
- 孤立性で未熟な細胞が「手がかり」になる
- 核膜の不整



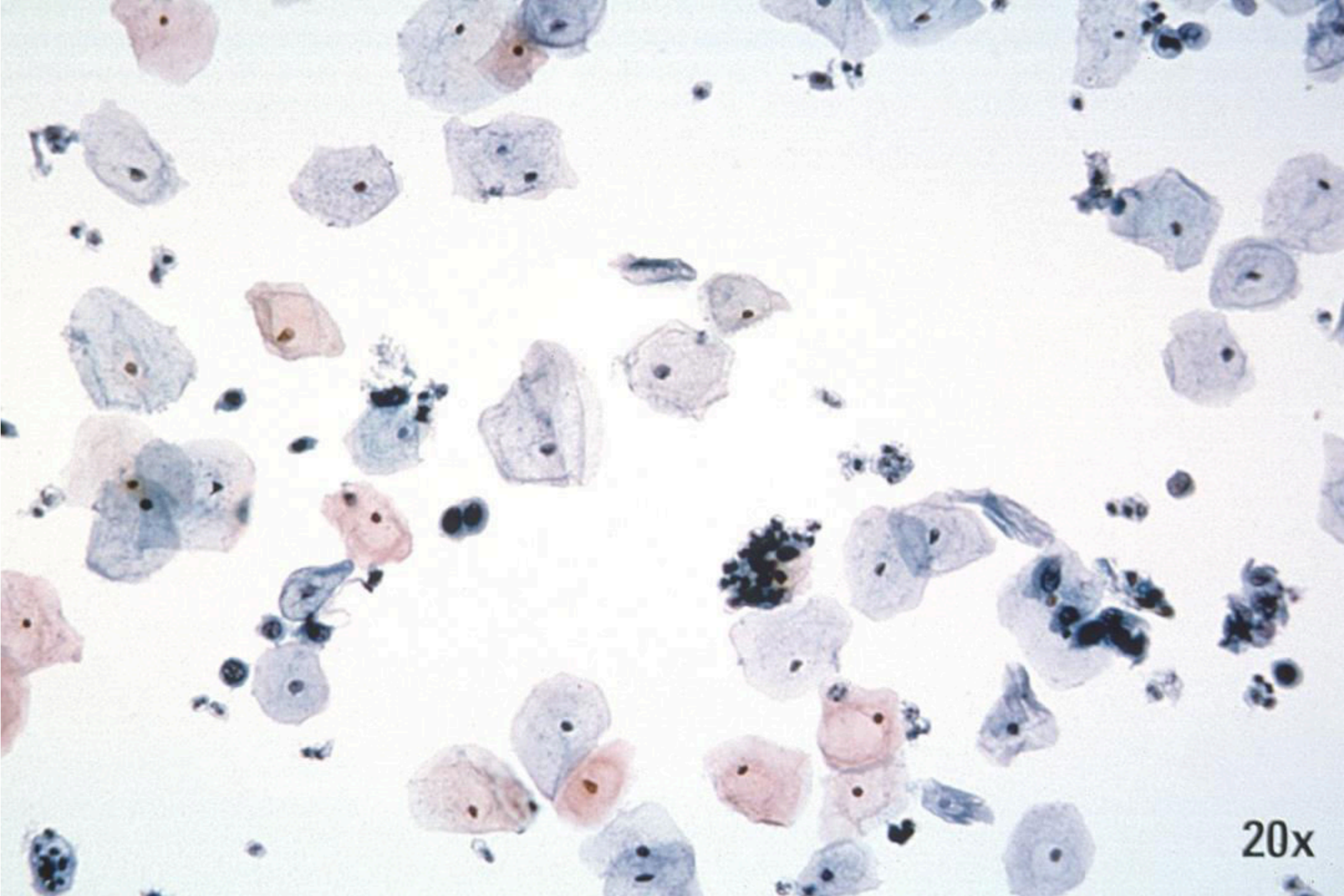
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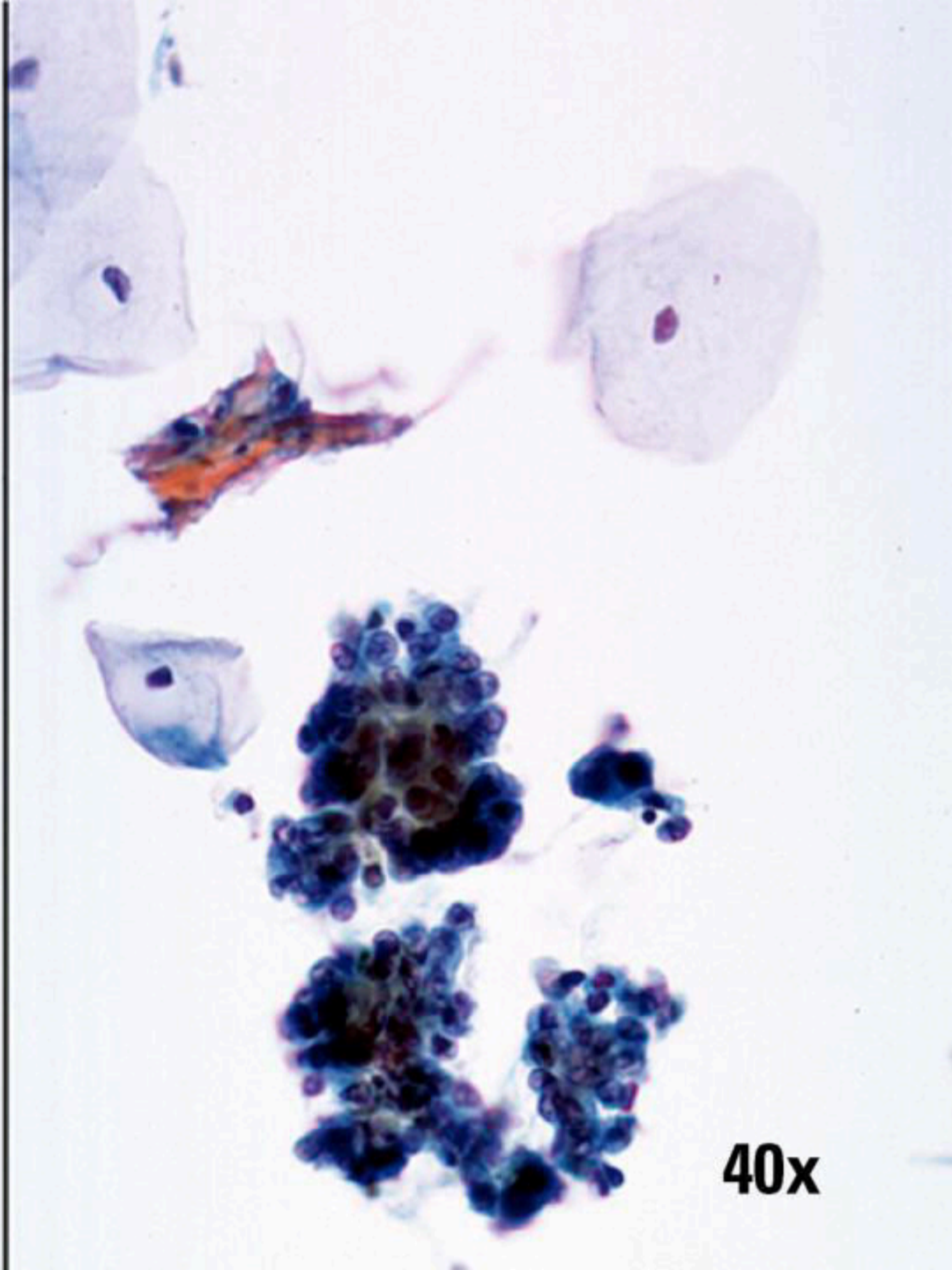
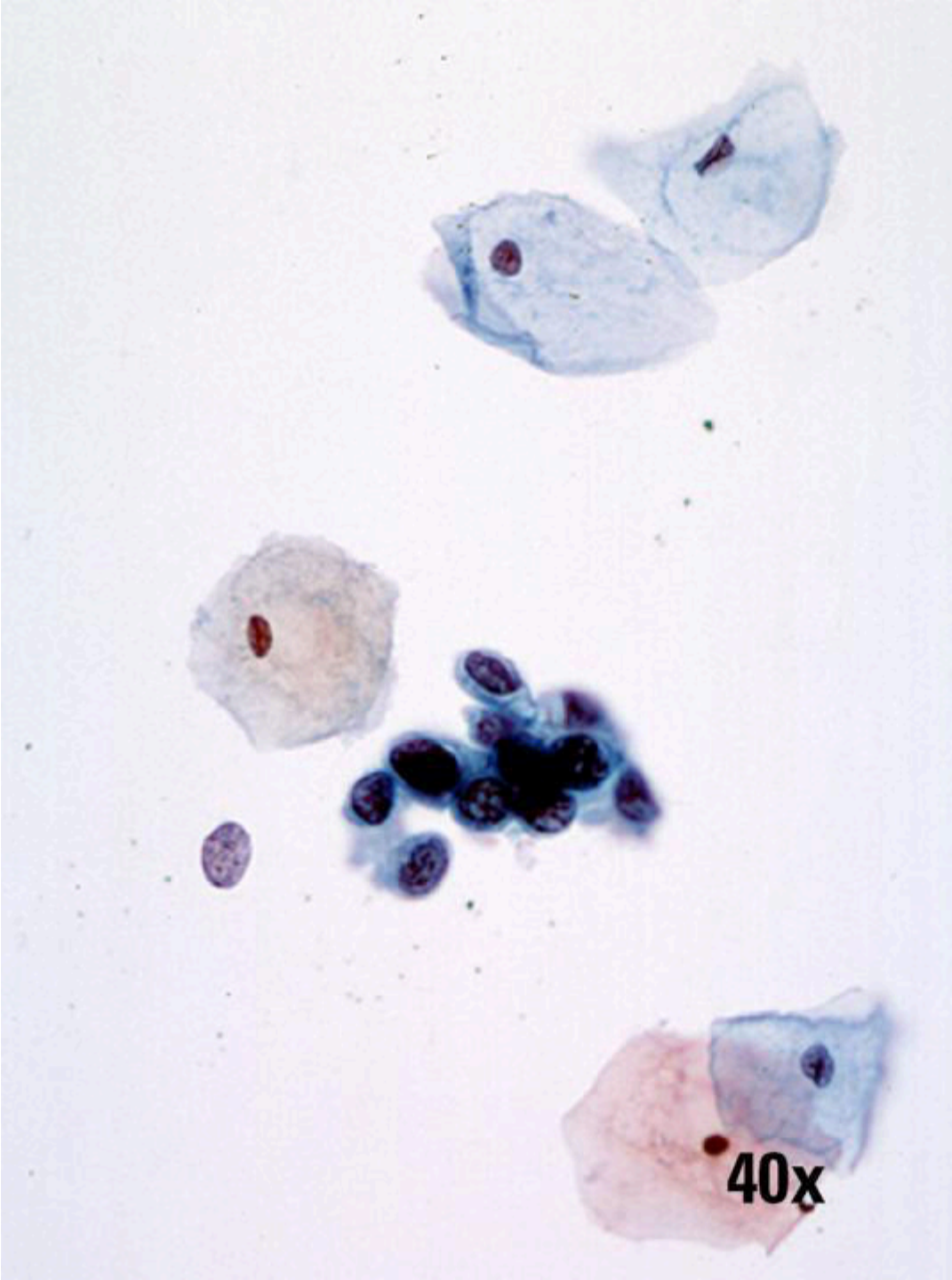
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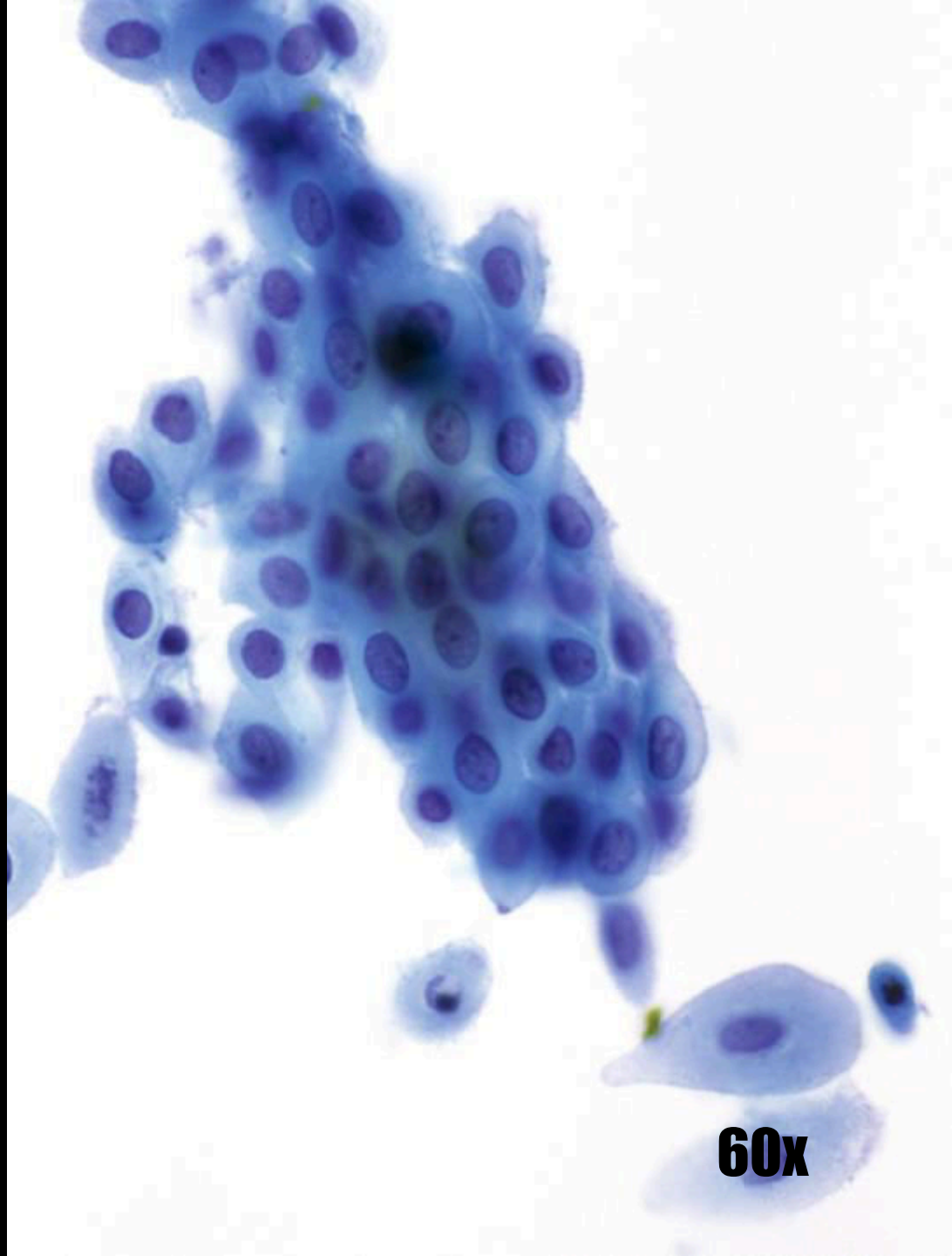
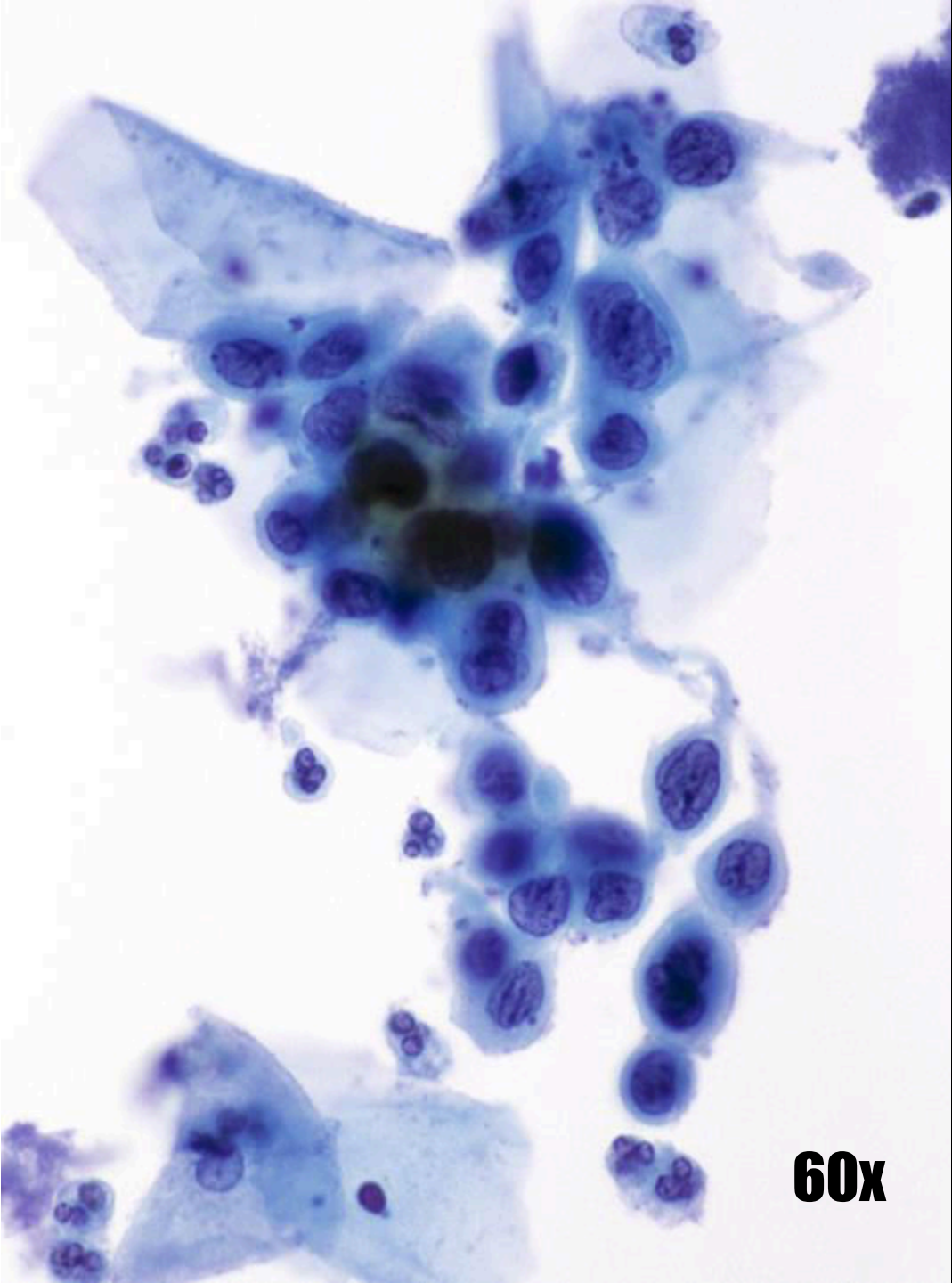


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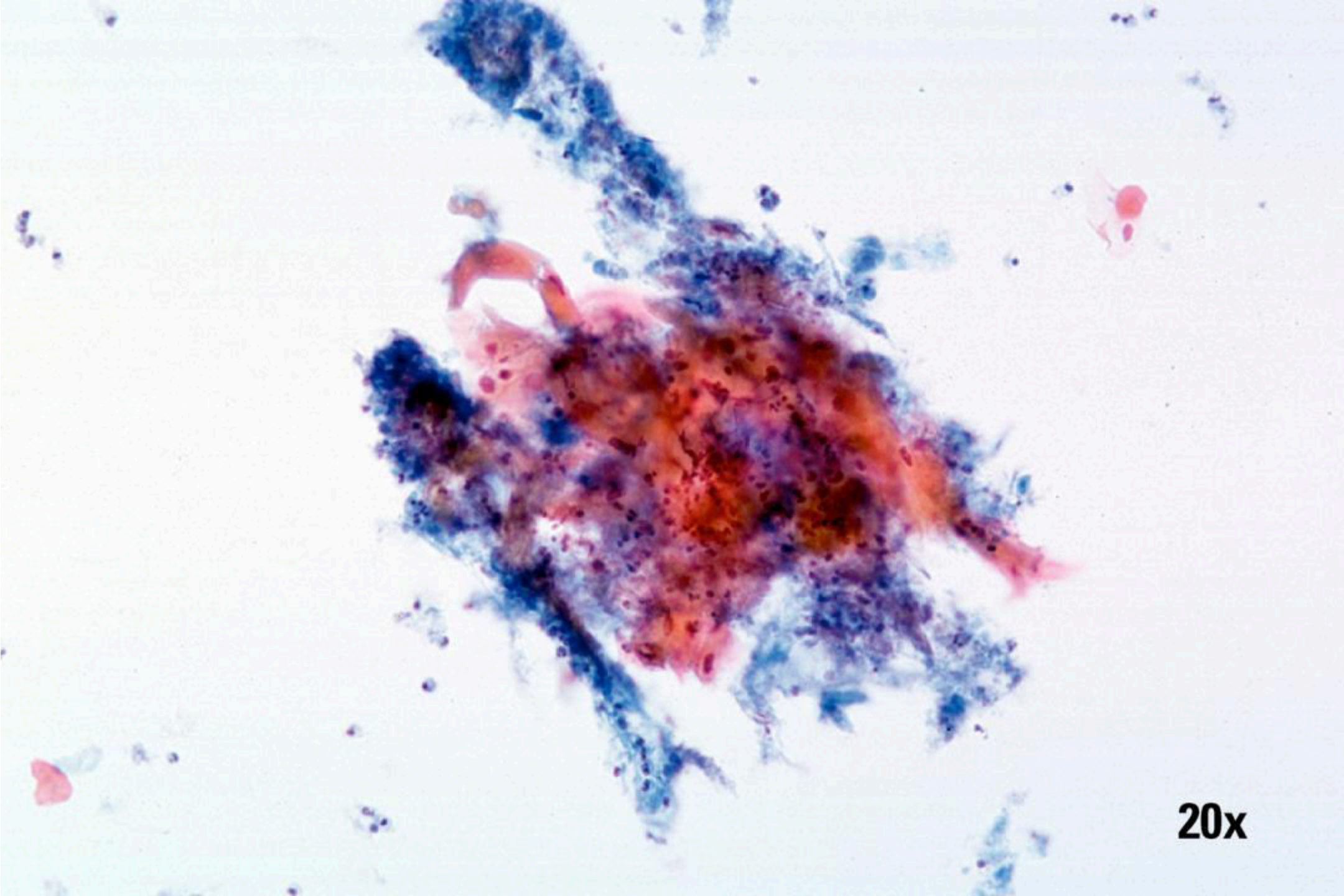


上皮細胞異常-扁平上皮細胞

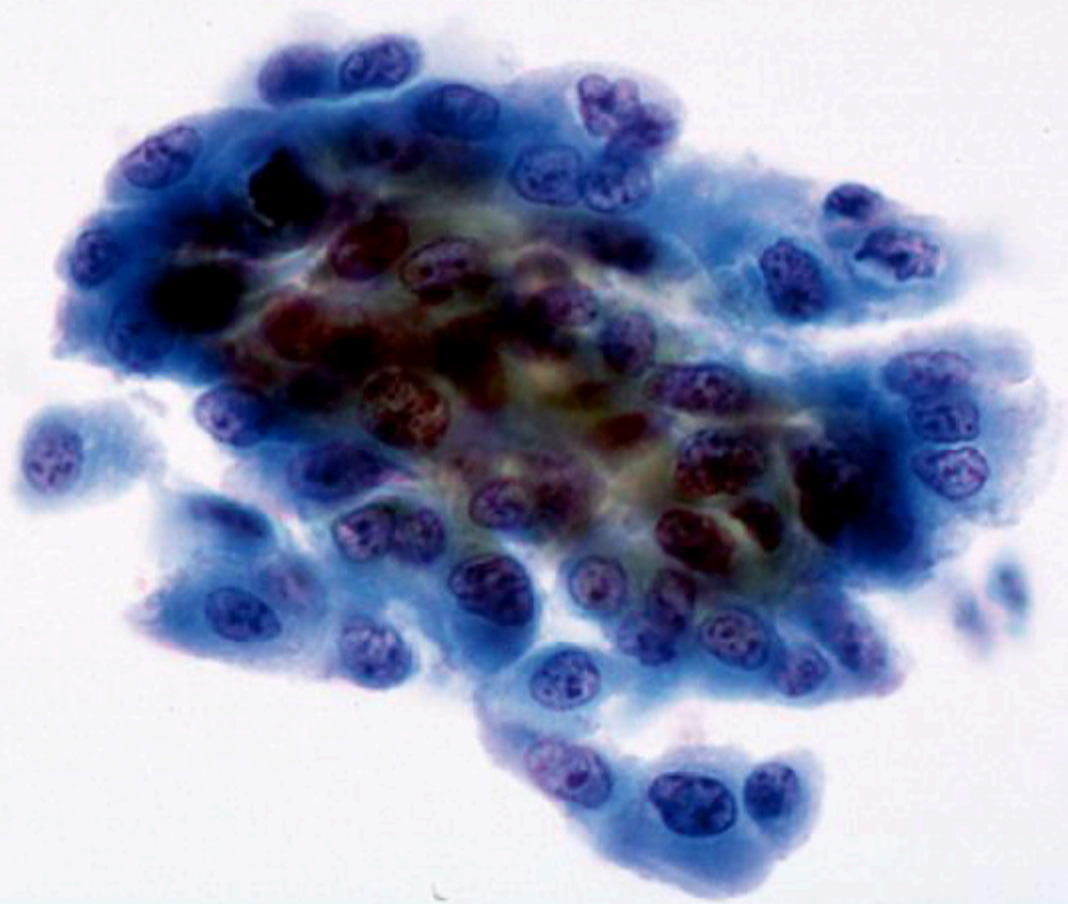
扁平上皮細胞癌

- 腫瘍性背景の維持
- 独特の壊死性背景のパターン
- 細胞群への病巣の深い深度
- 顕著なクロマチン透明化
- 目立つ核小体

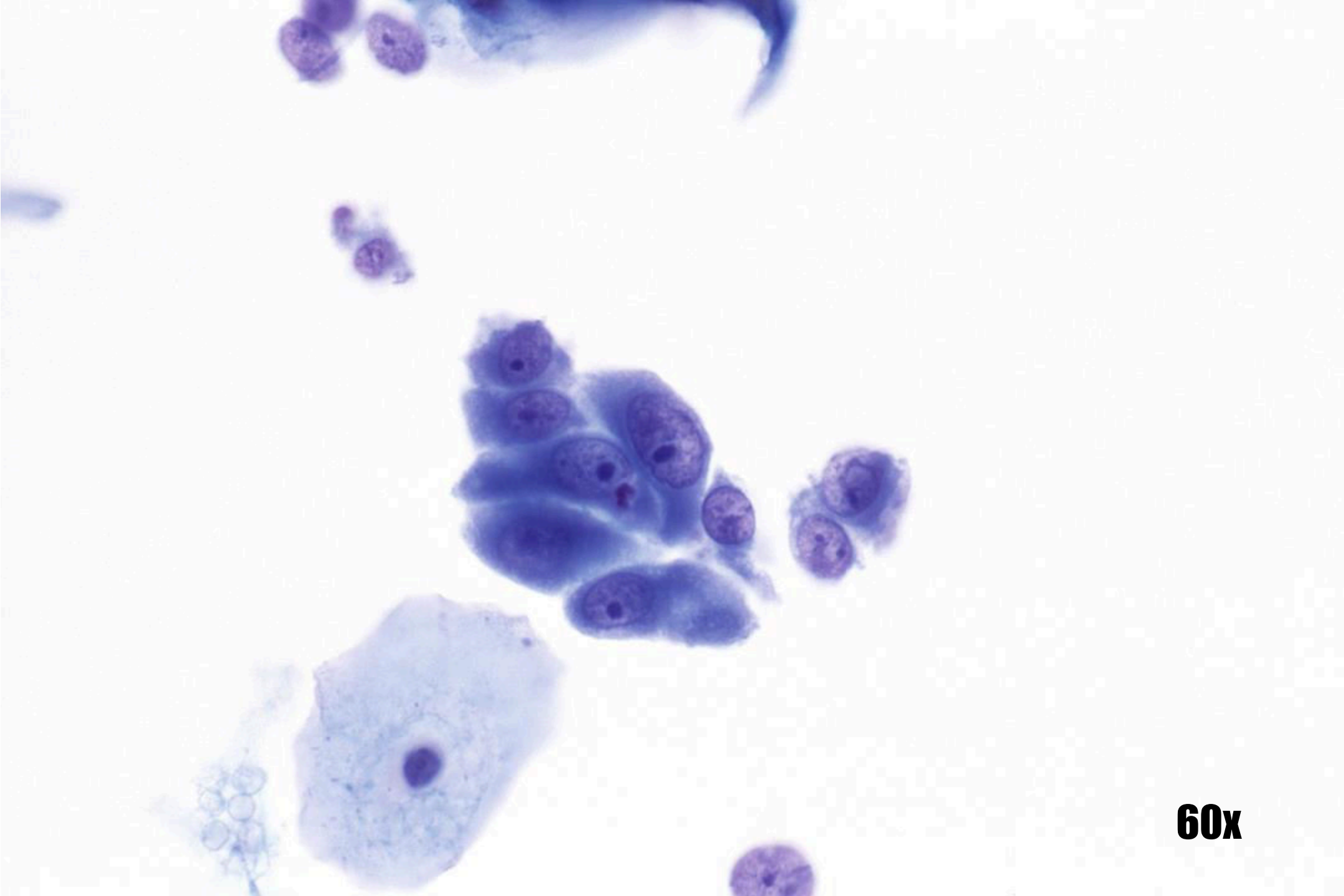




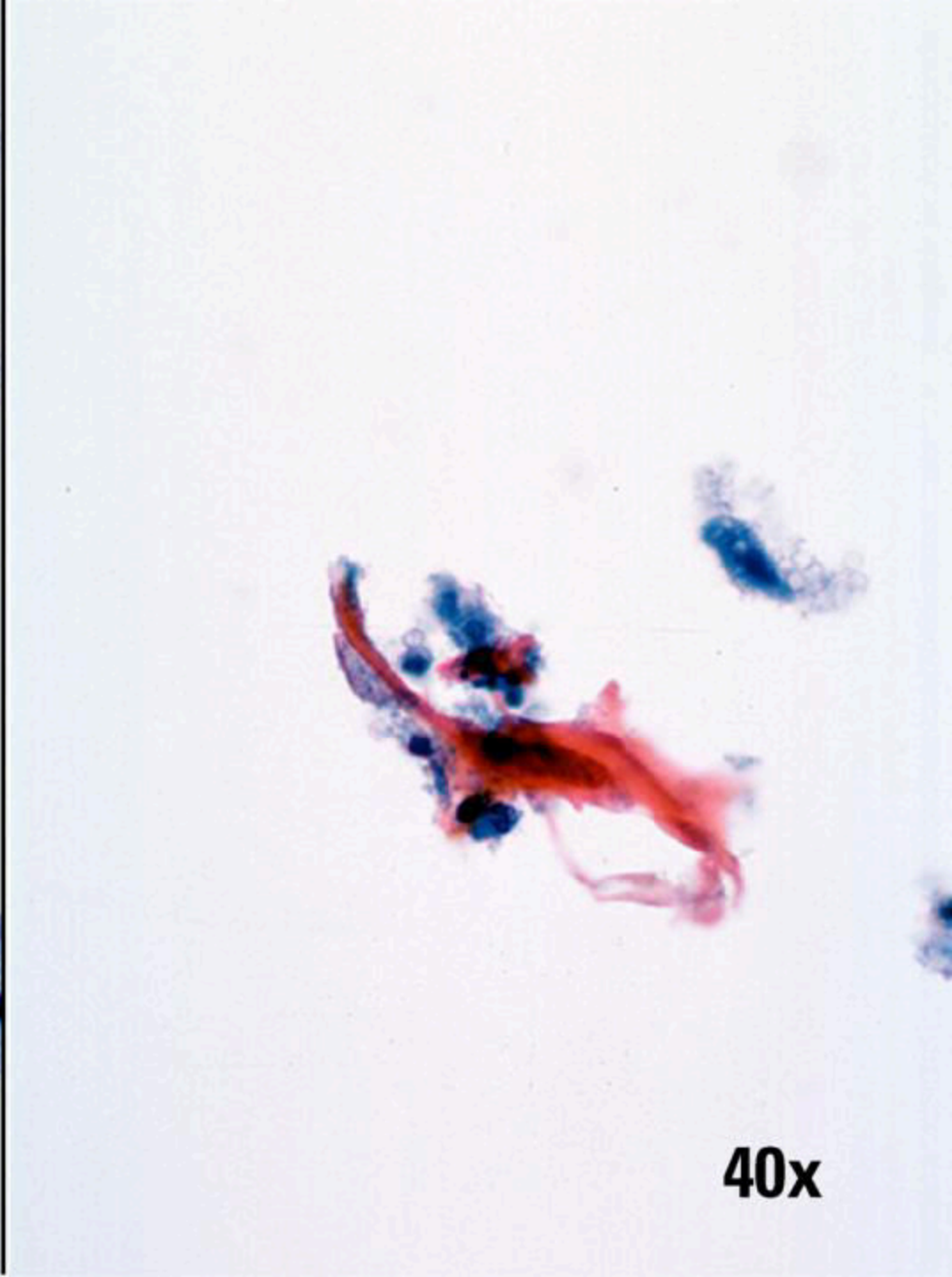
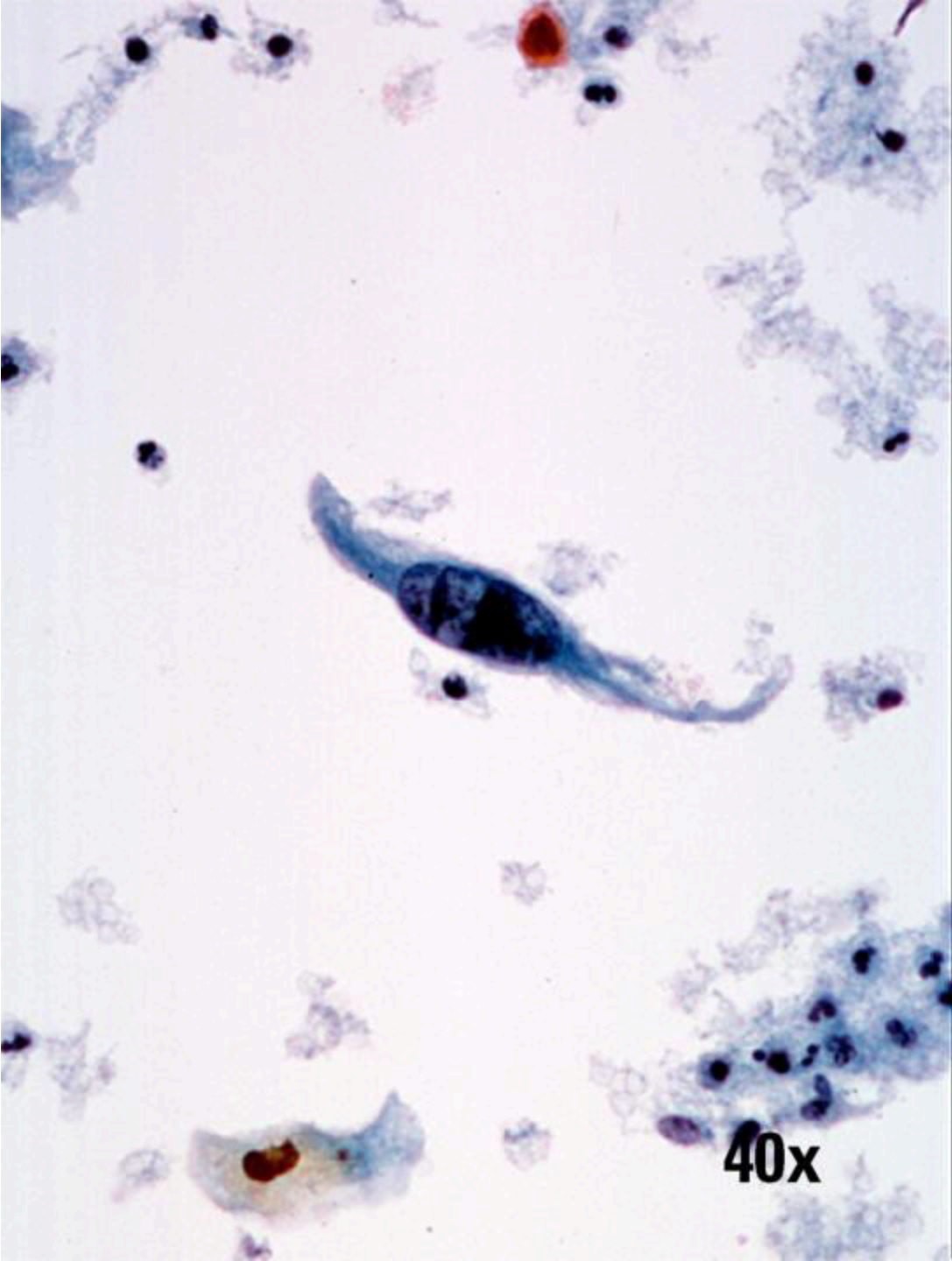
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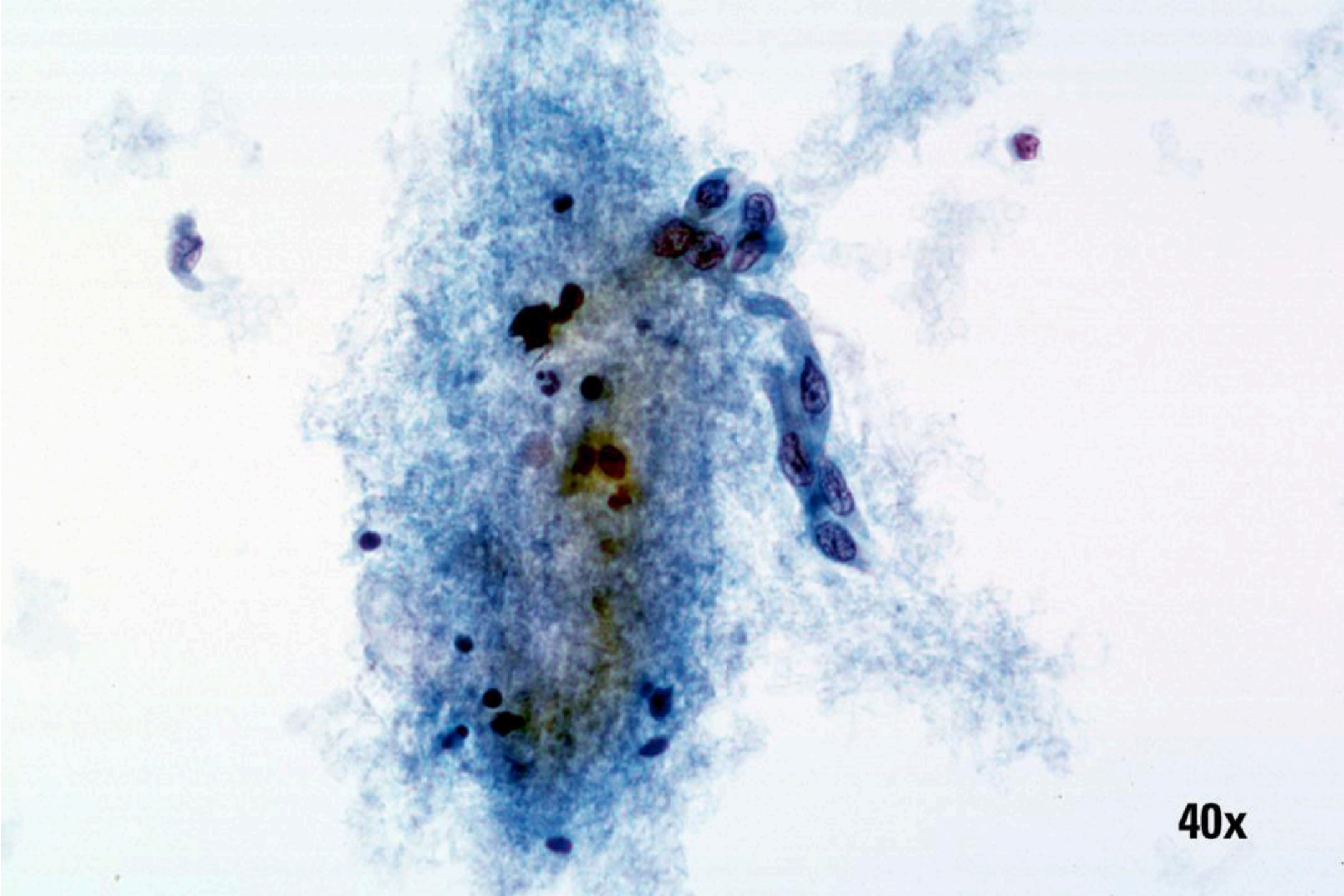


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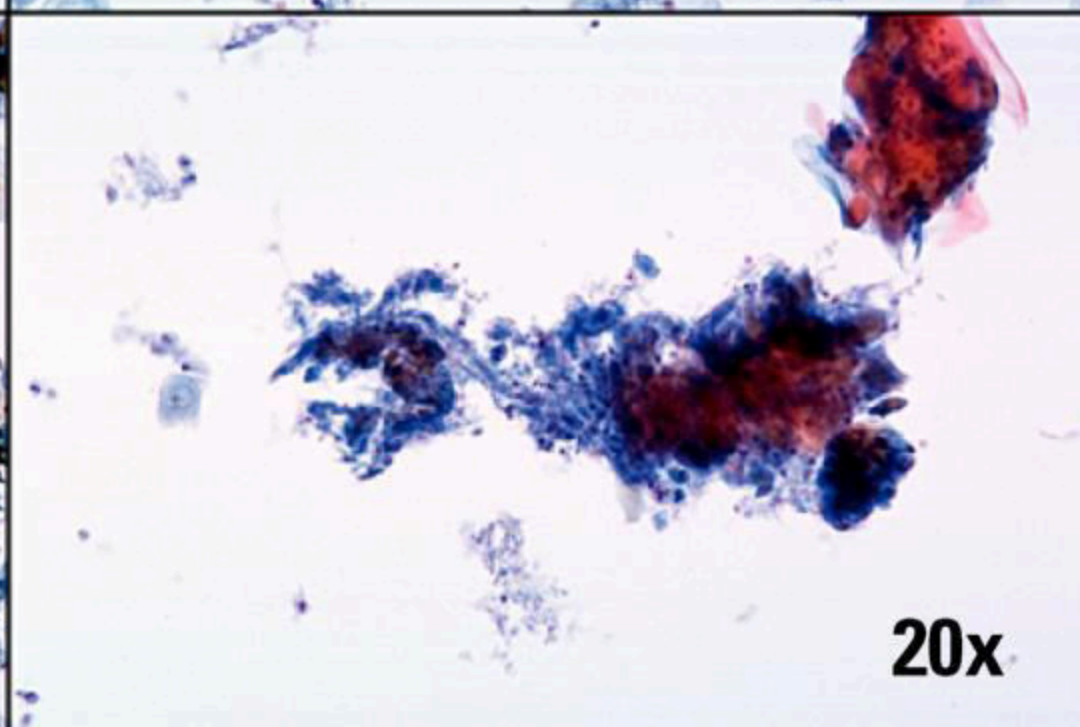
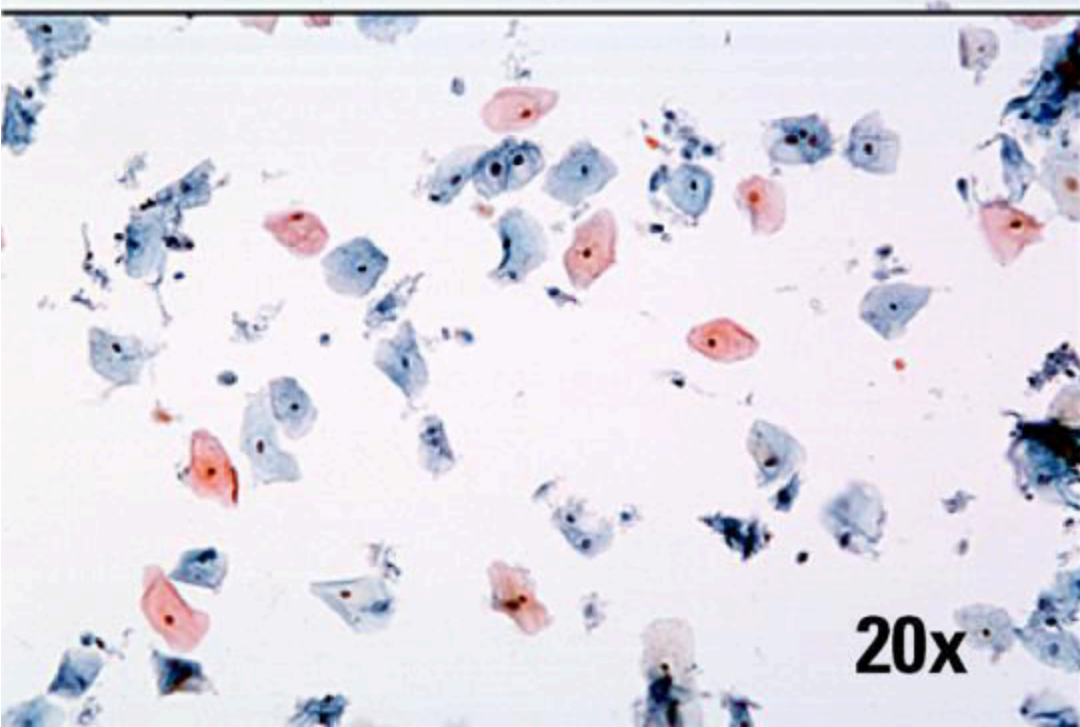
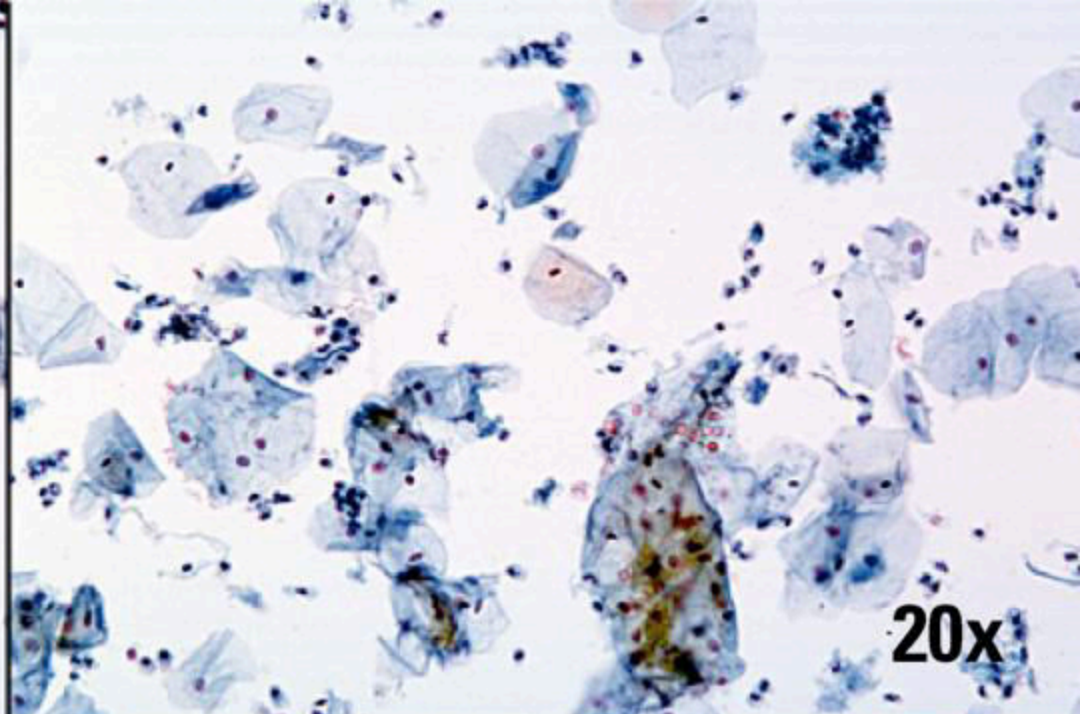
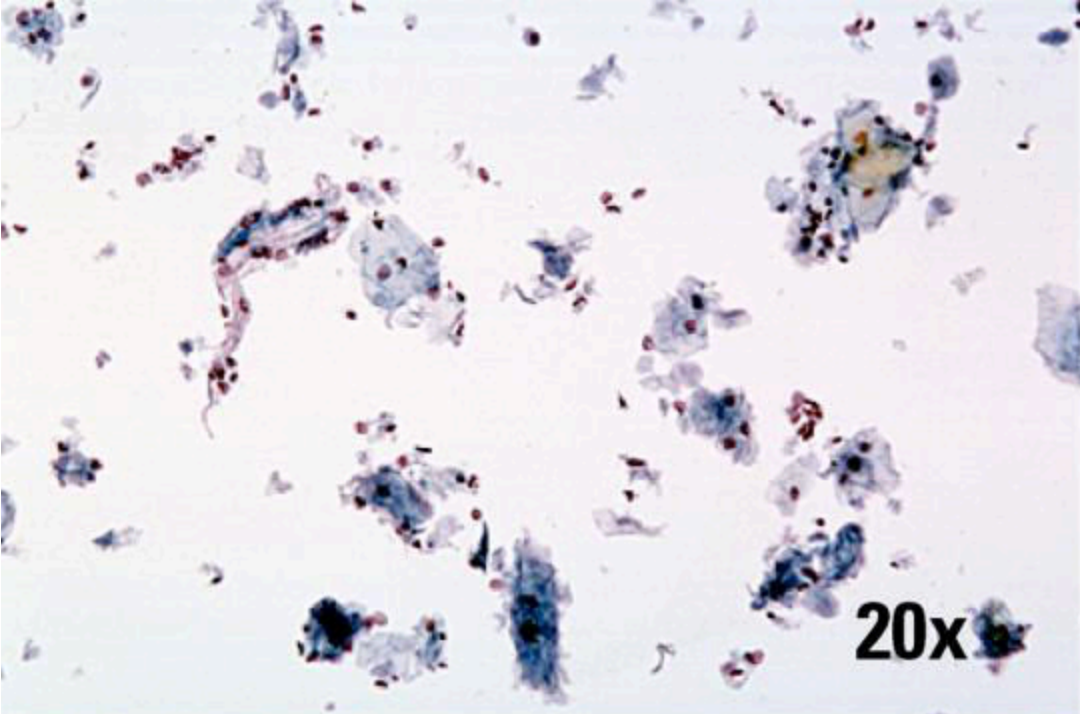


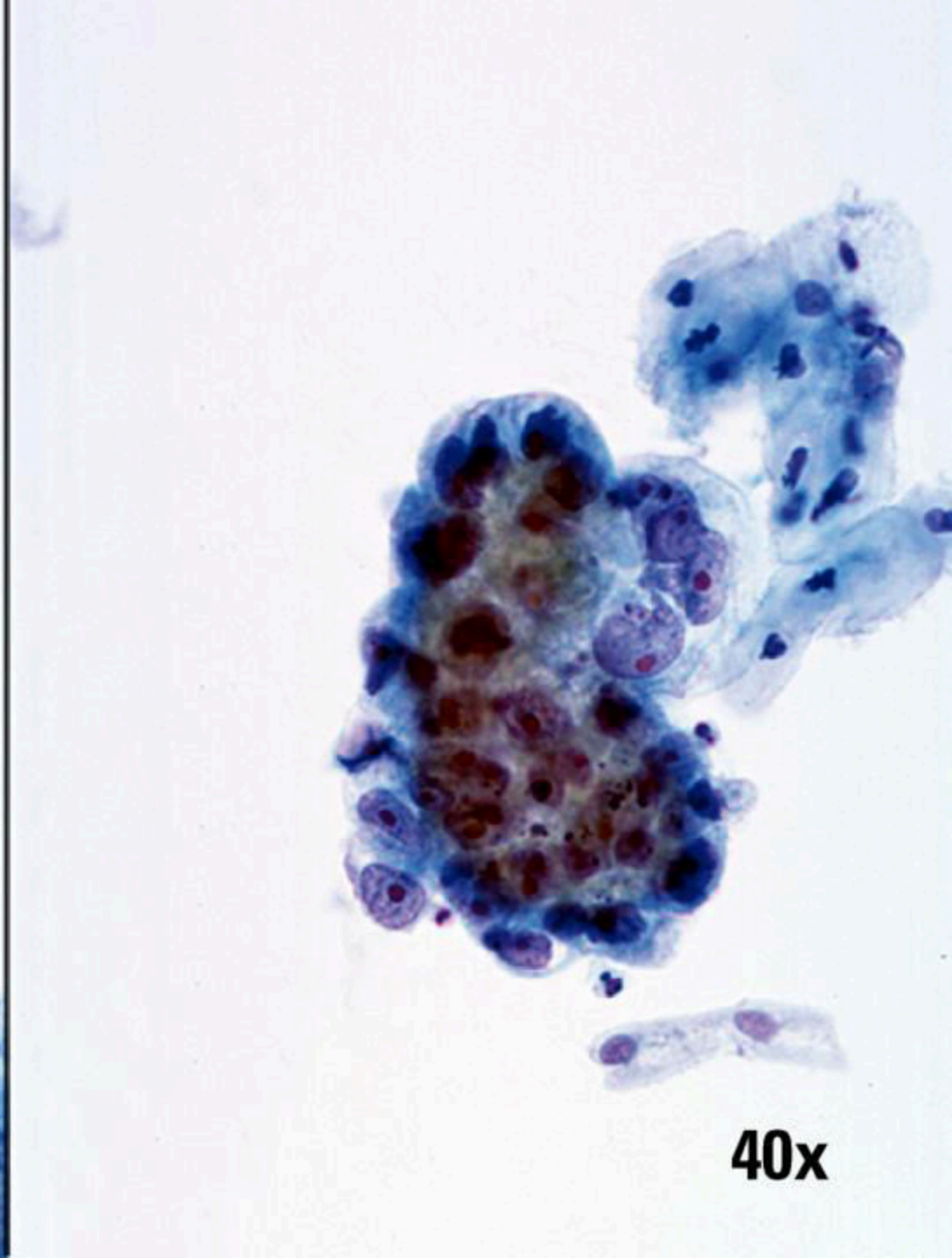
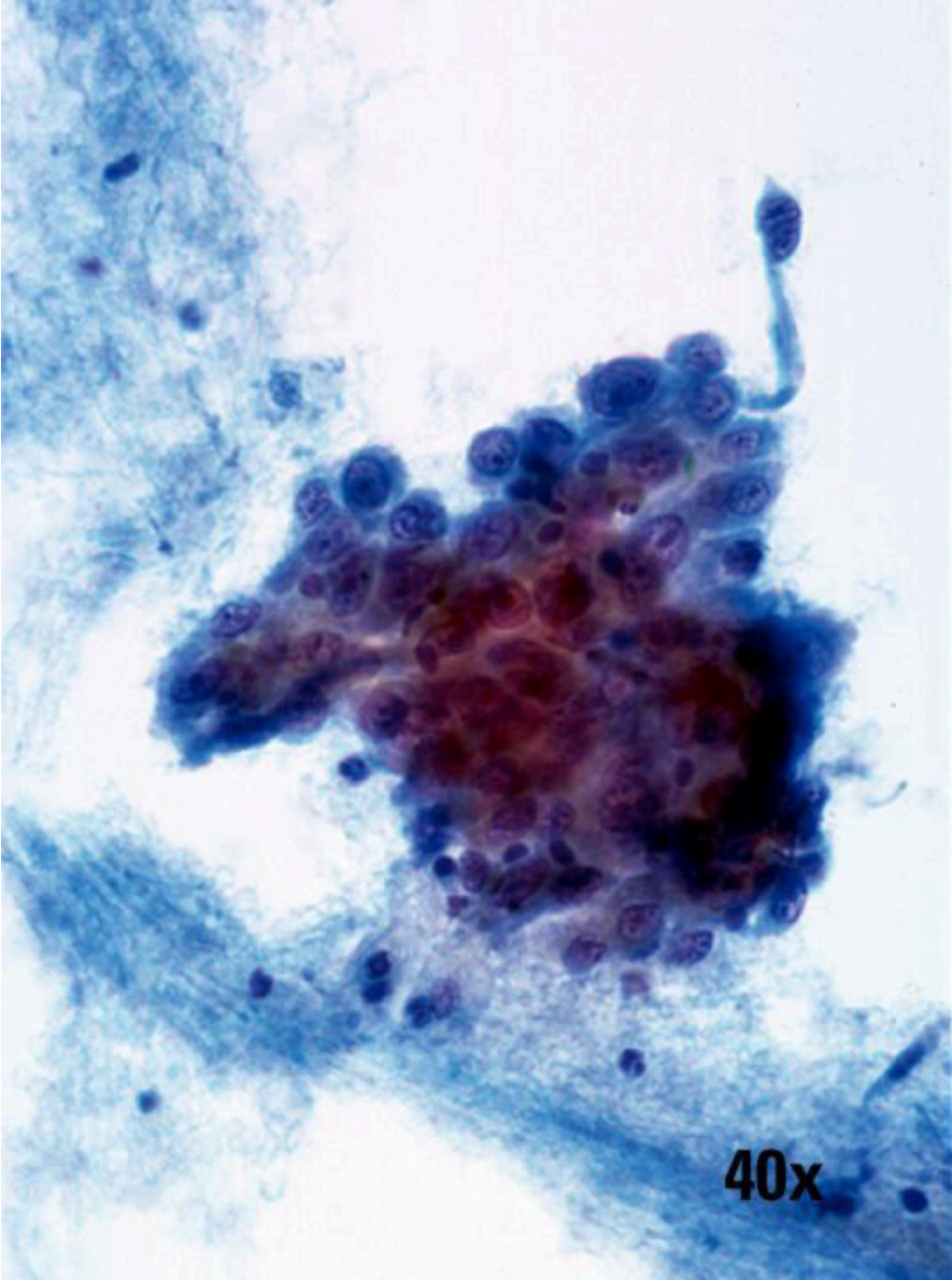
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上皮細胞異常-腺細胞

- 異型

- 子宮頸管細胞 (NOS [これ以外には分類できない])
- 子宮内膜細胞 (NOS)
- 腺細胞 (NOS)

- 異型

- 子宮頸管細胞。腫瘍が好発
- 腺細胞。腫瘍が好発

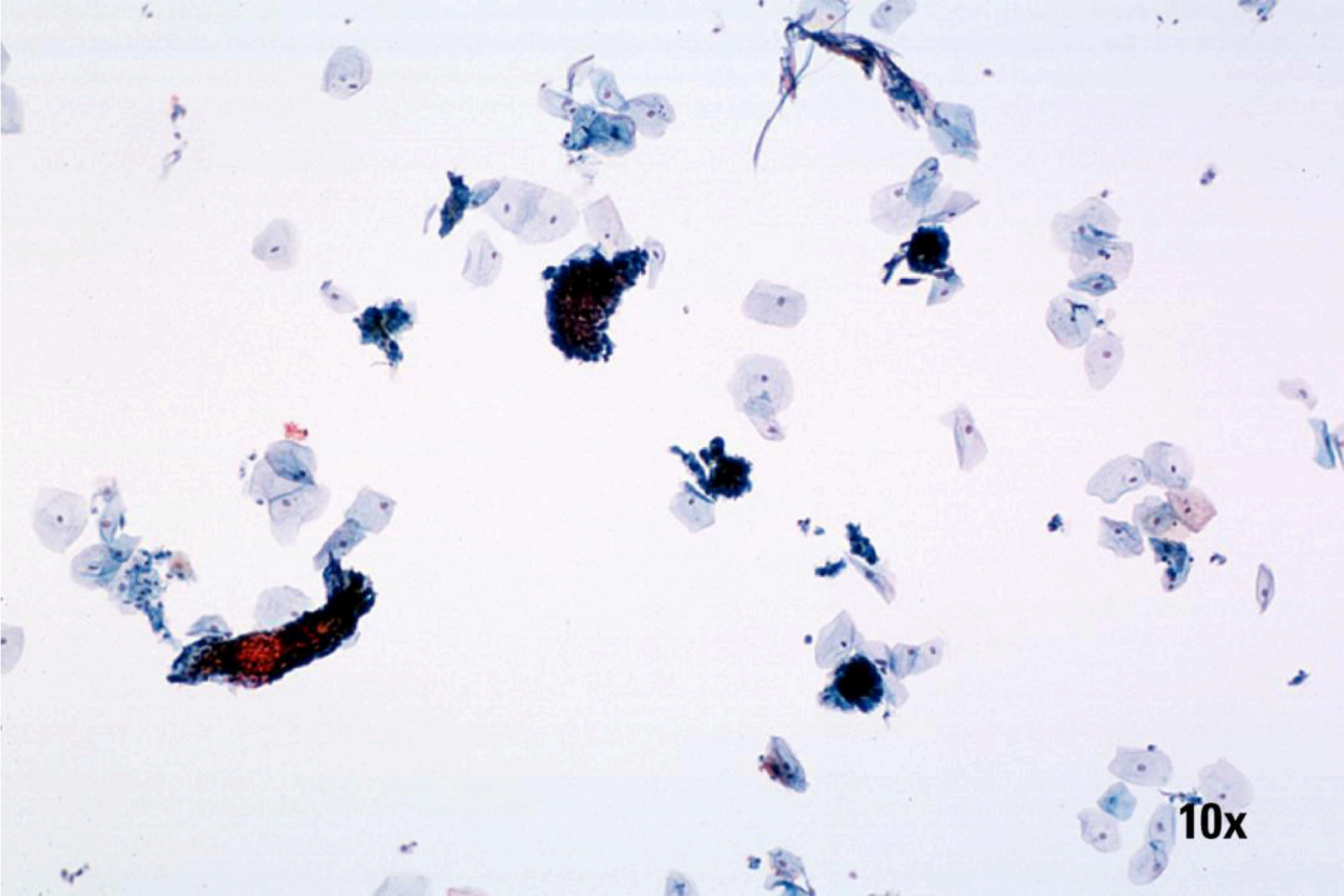
- 子宮頸管上皮内腺癌

上皮細胞異常-腺細胞

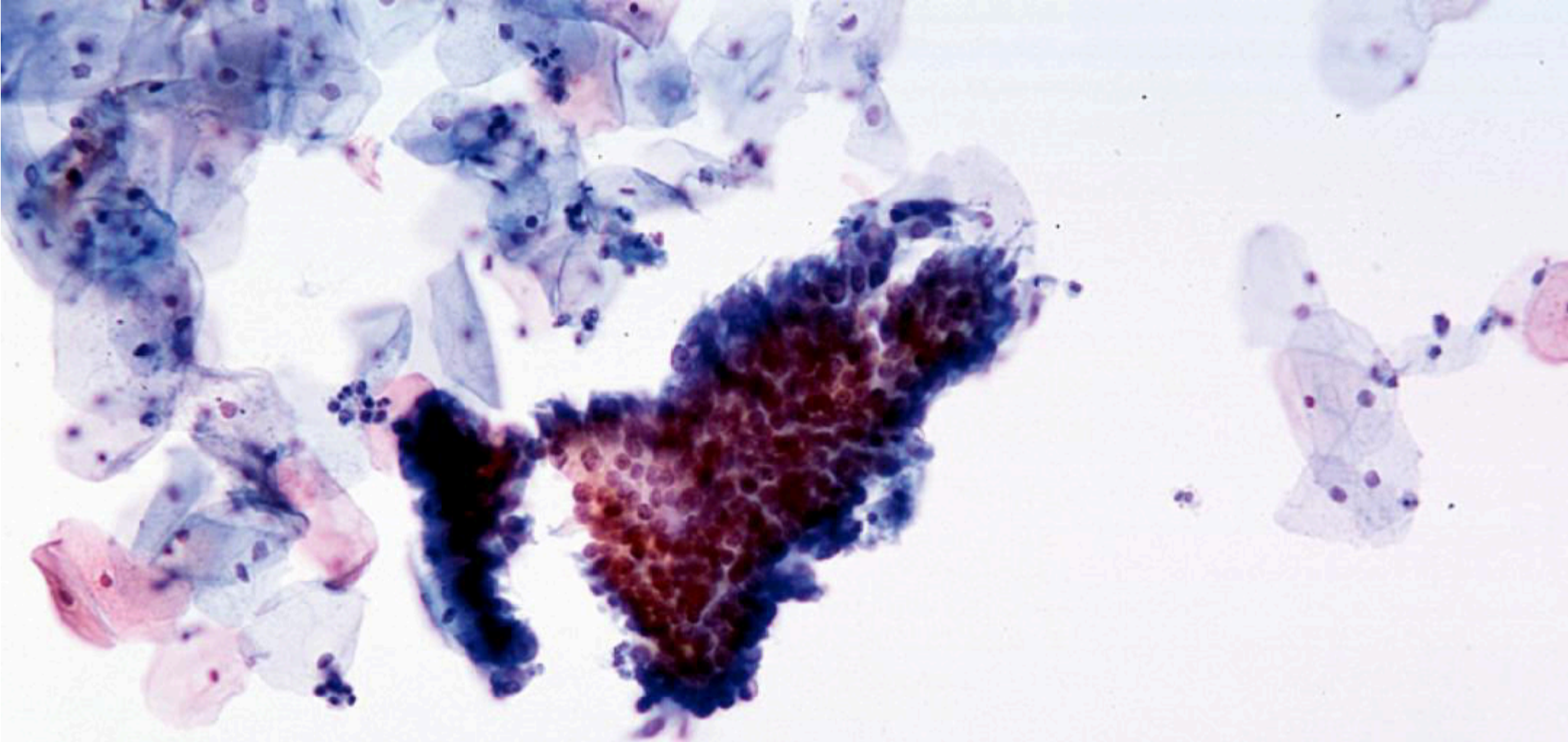
子宮頸管上皮内腺癌 (AIS)

- 異常な構造パターンの維持
- 核の凝集とクロマチン増量
- 「羽毛状」であることが確認できる多列配列
- ロゼット状配列および帯状配列
- 核小体が見られることも多い

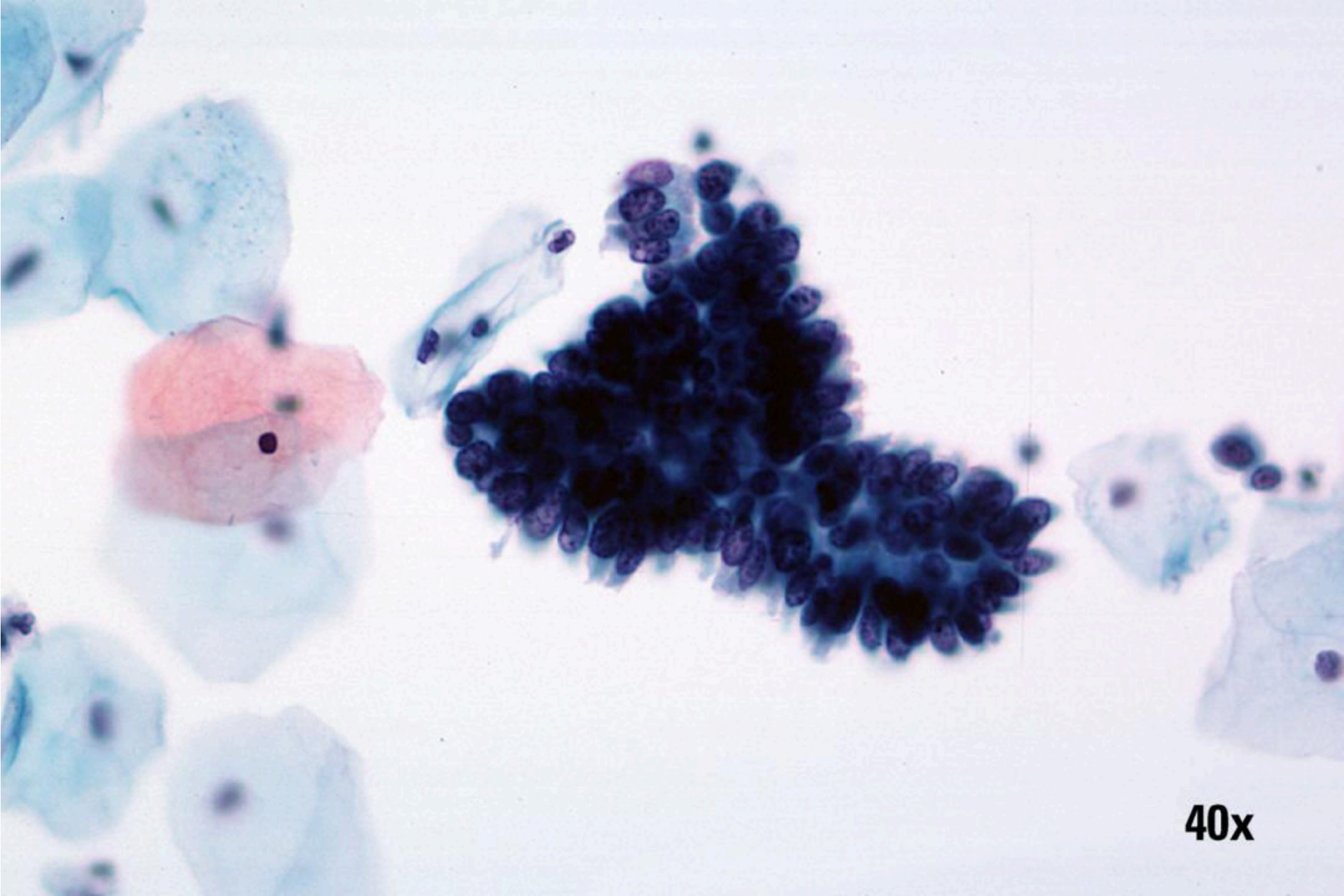




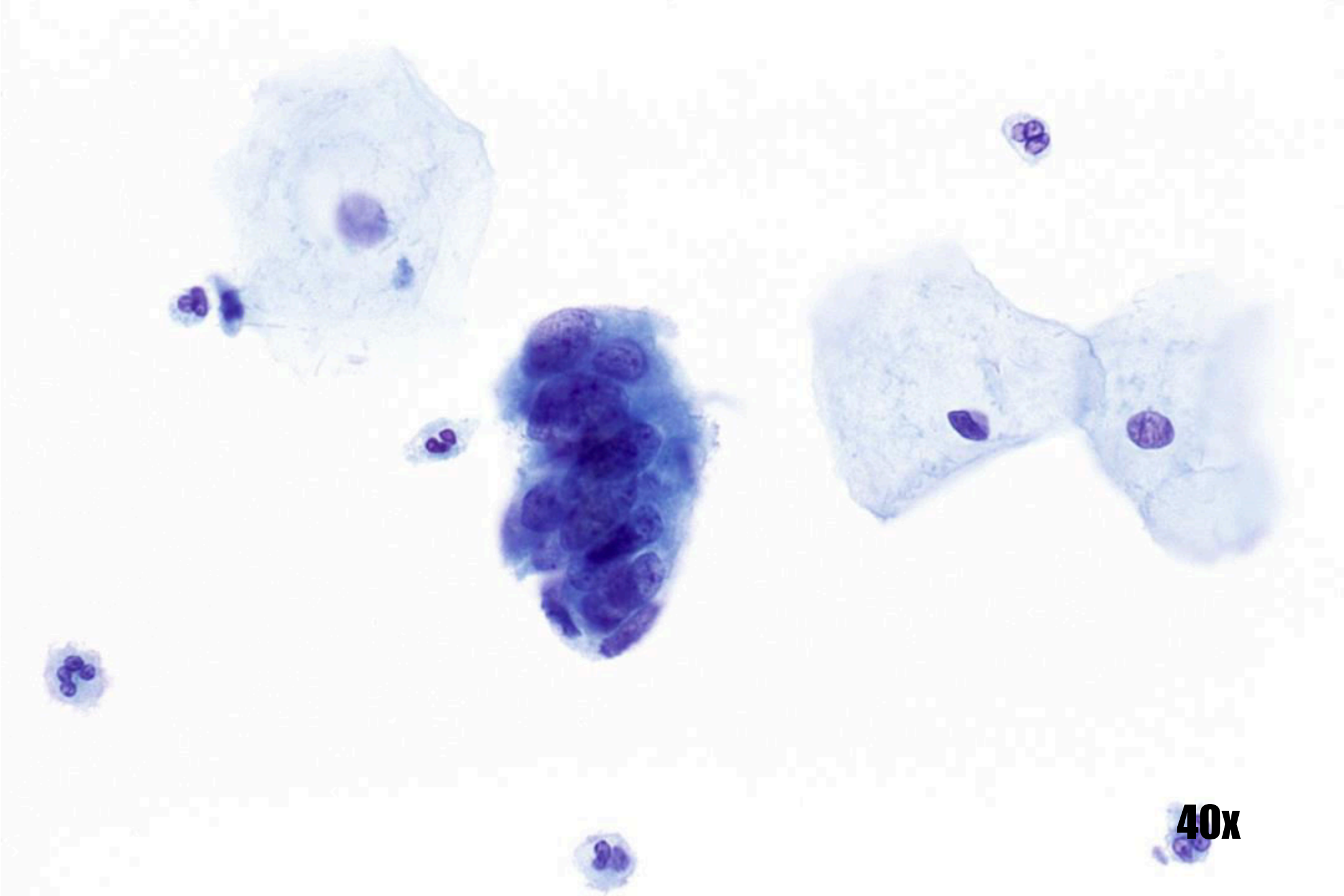
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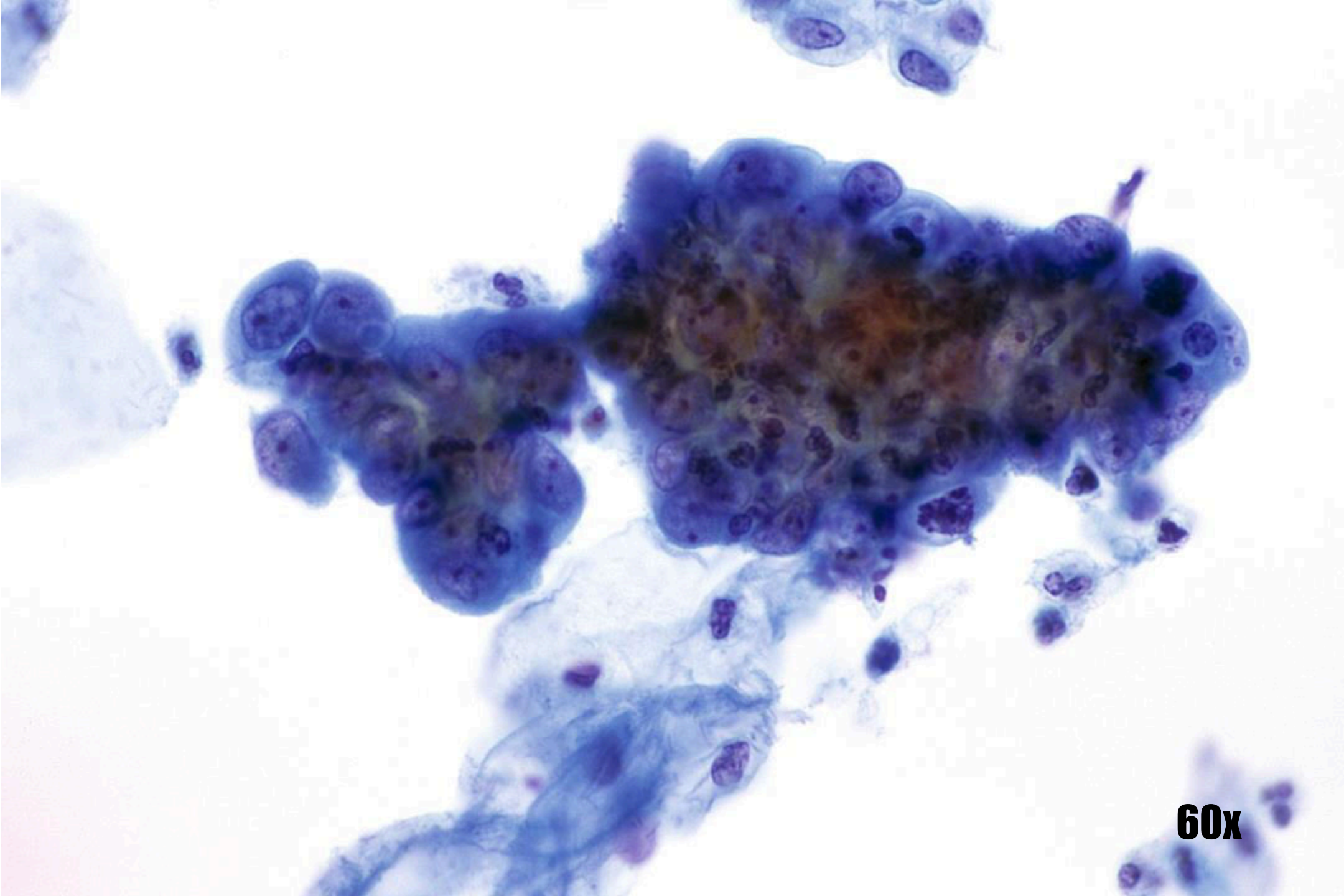
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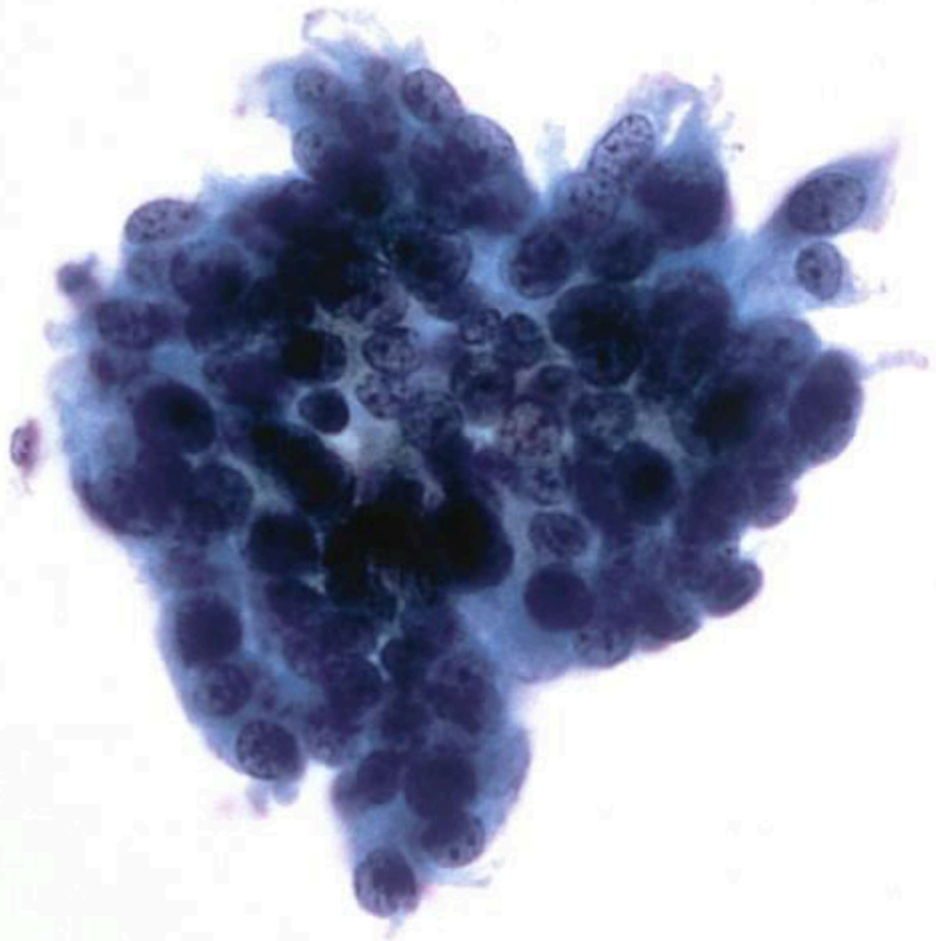
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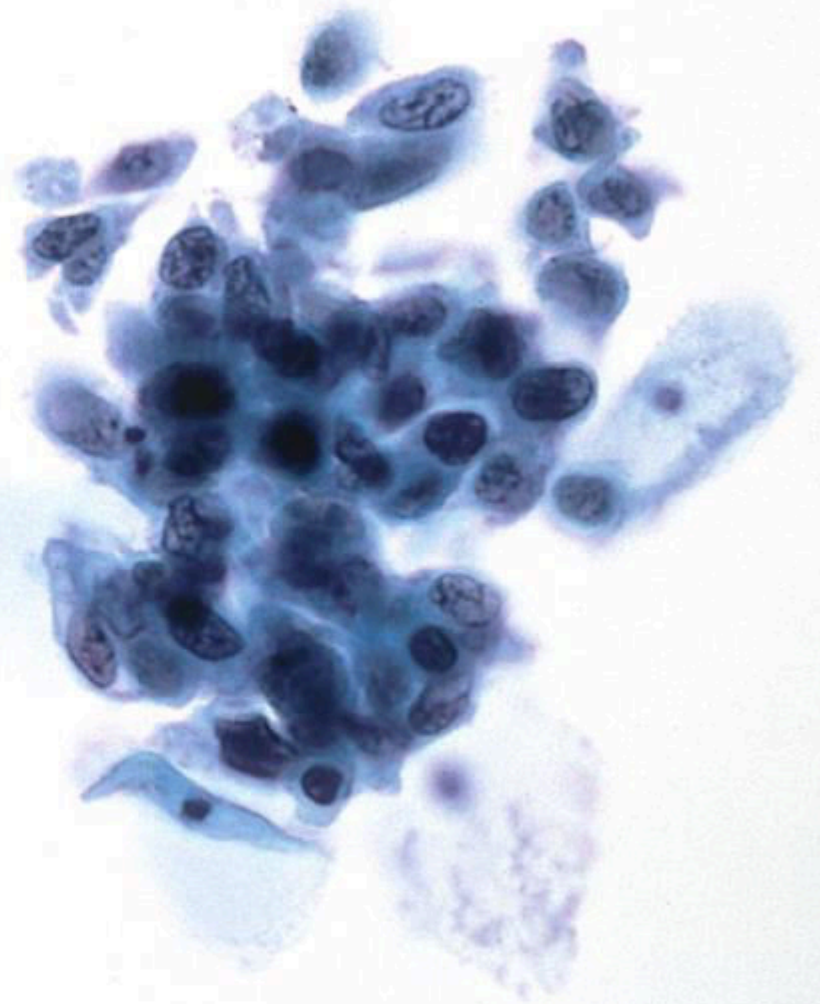
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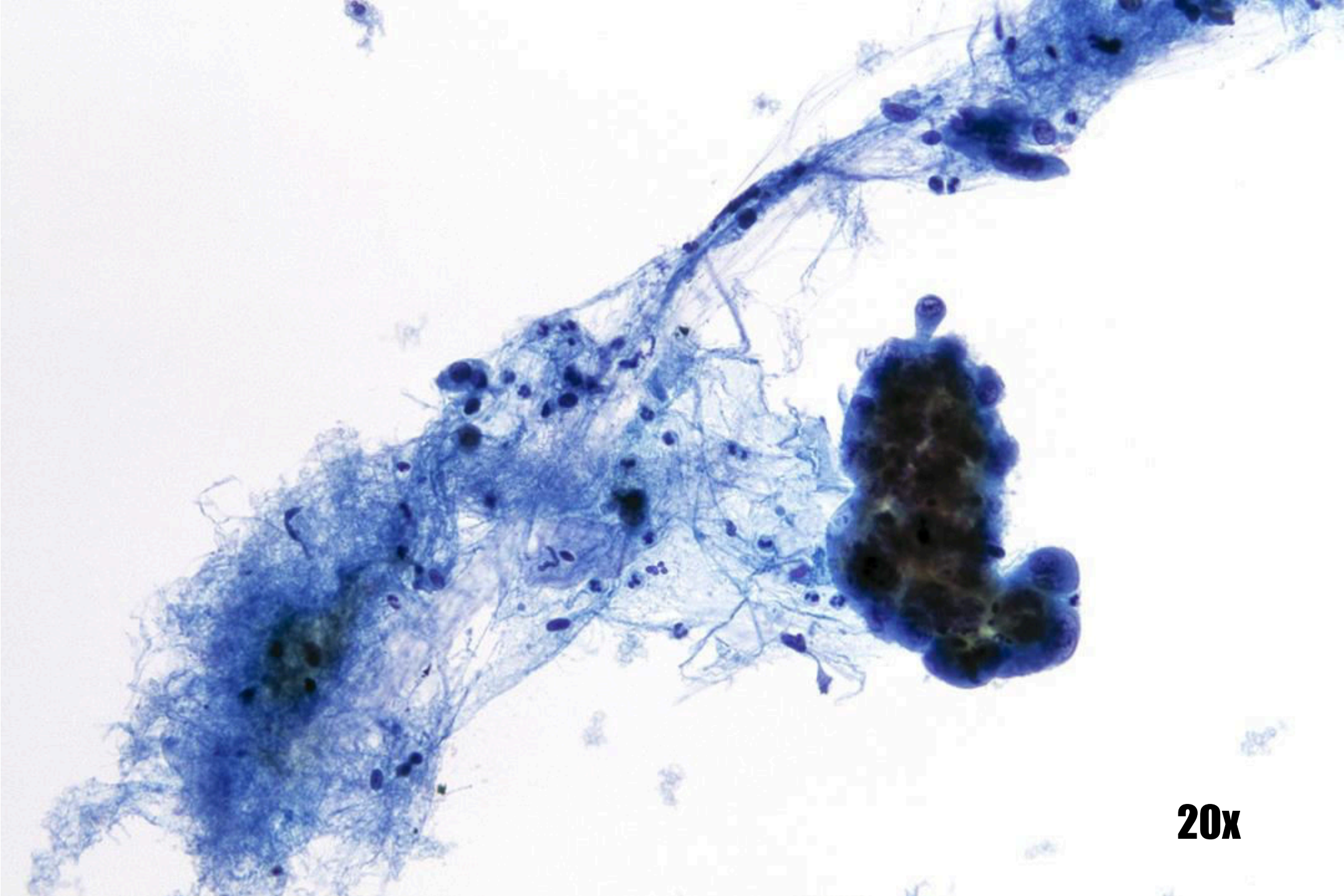


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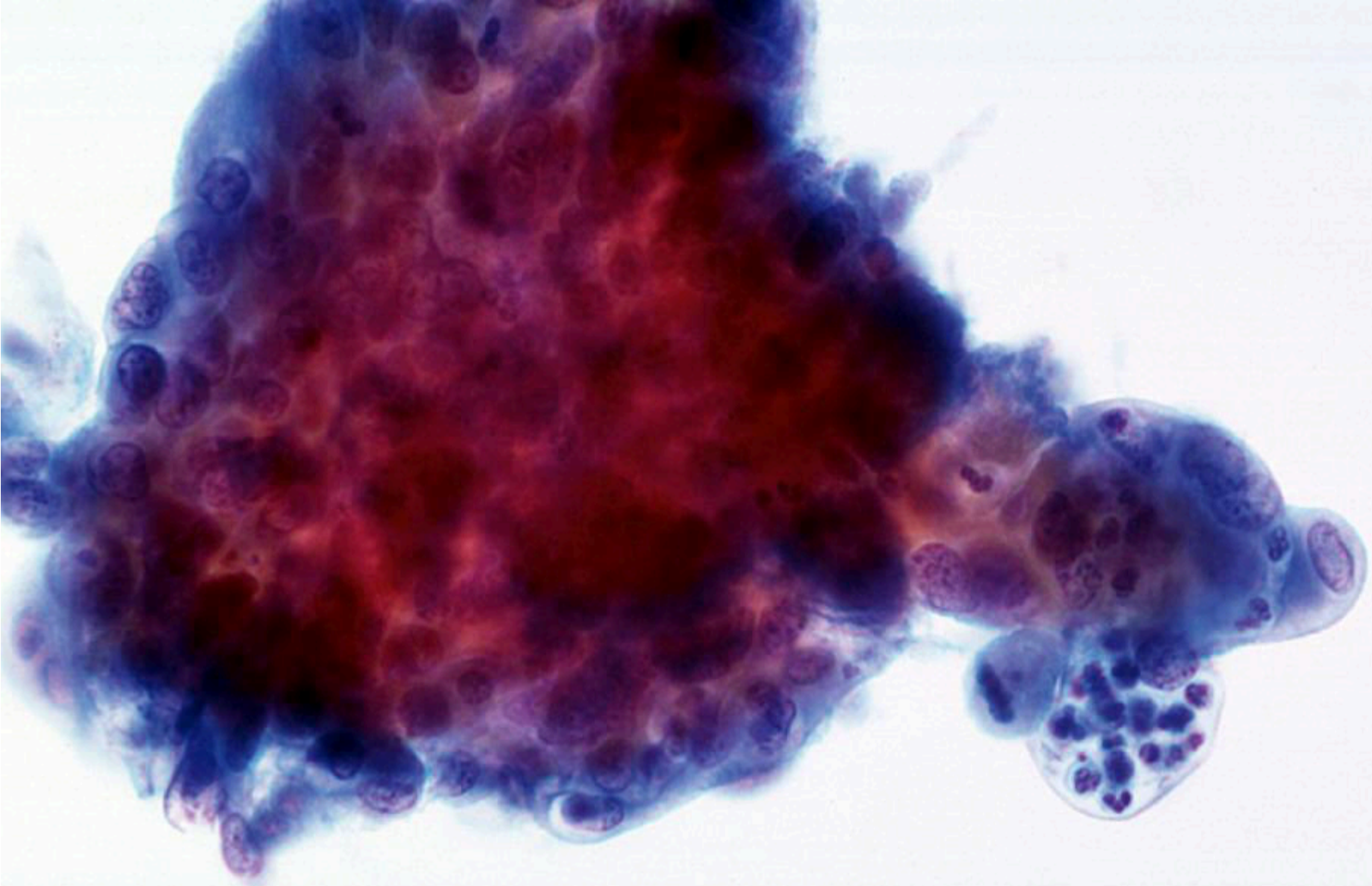
上皮細胞異常-腺細胞

腺癌

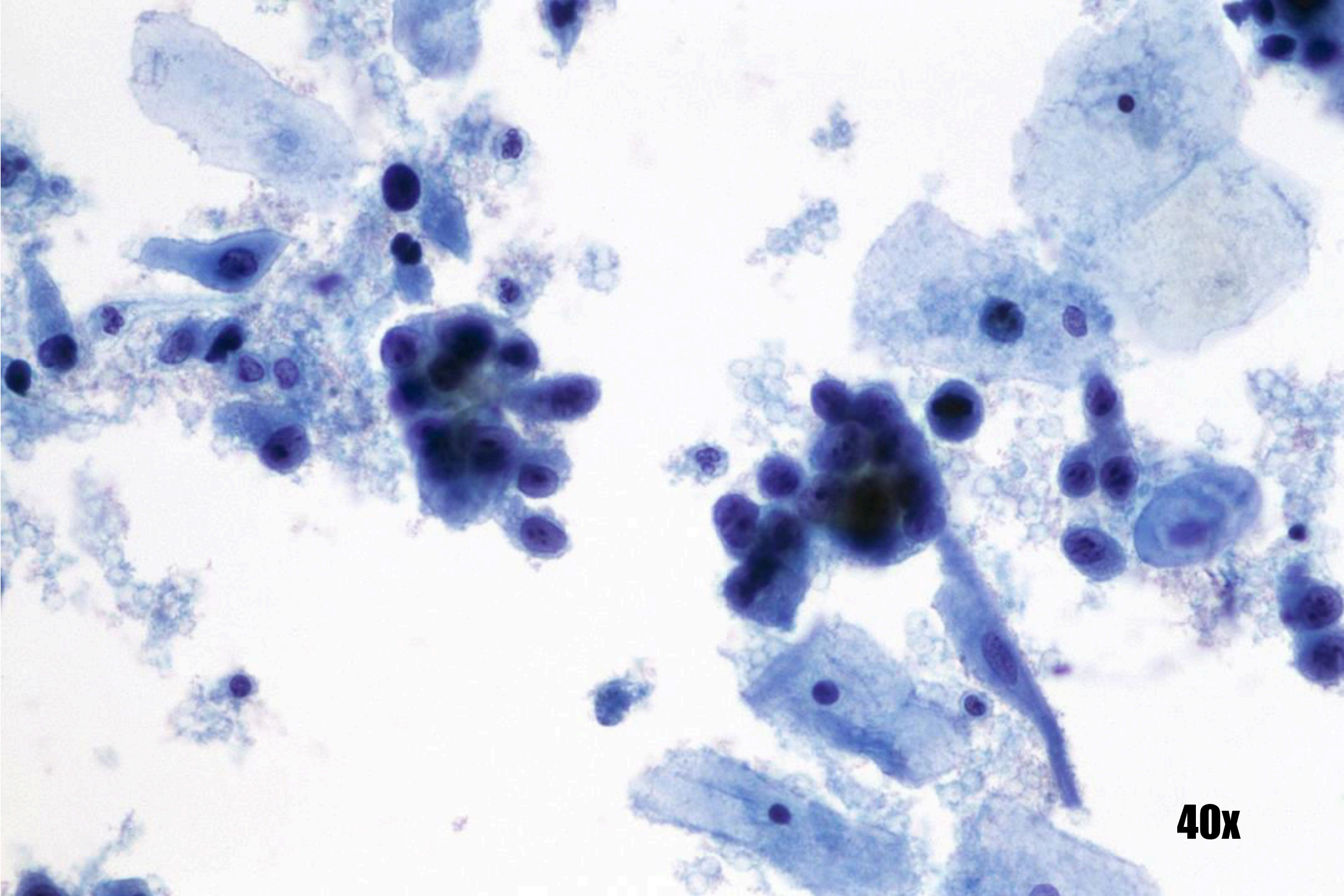
- 立体的な細胞集塊の維持
- 核の特徴の十分な保持
- 腫瘍性背景が見られることも



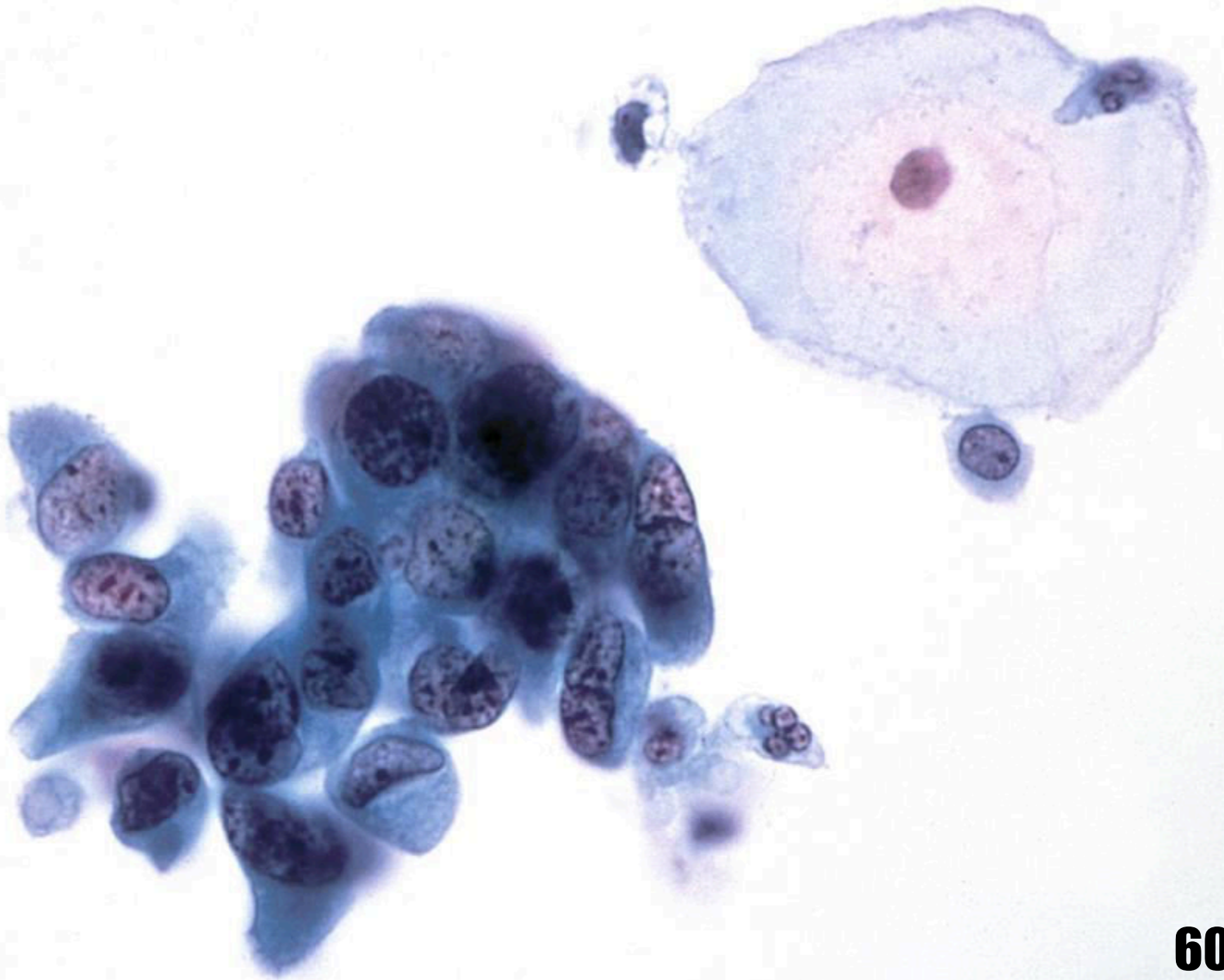
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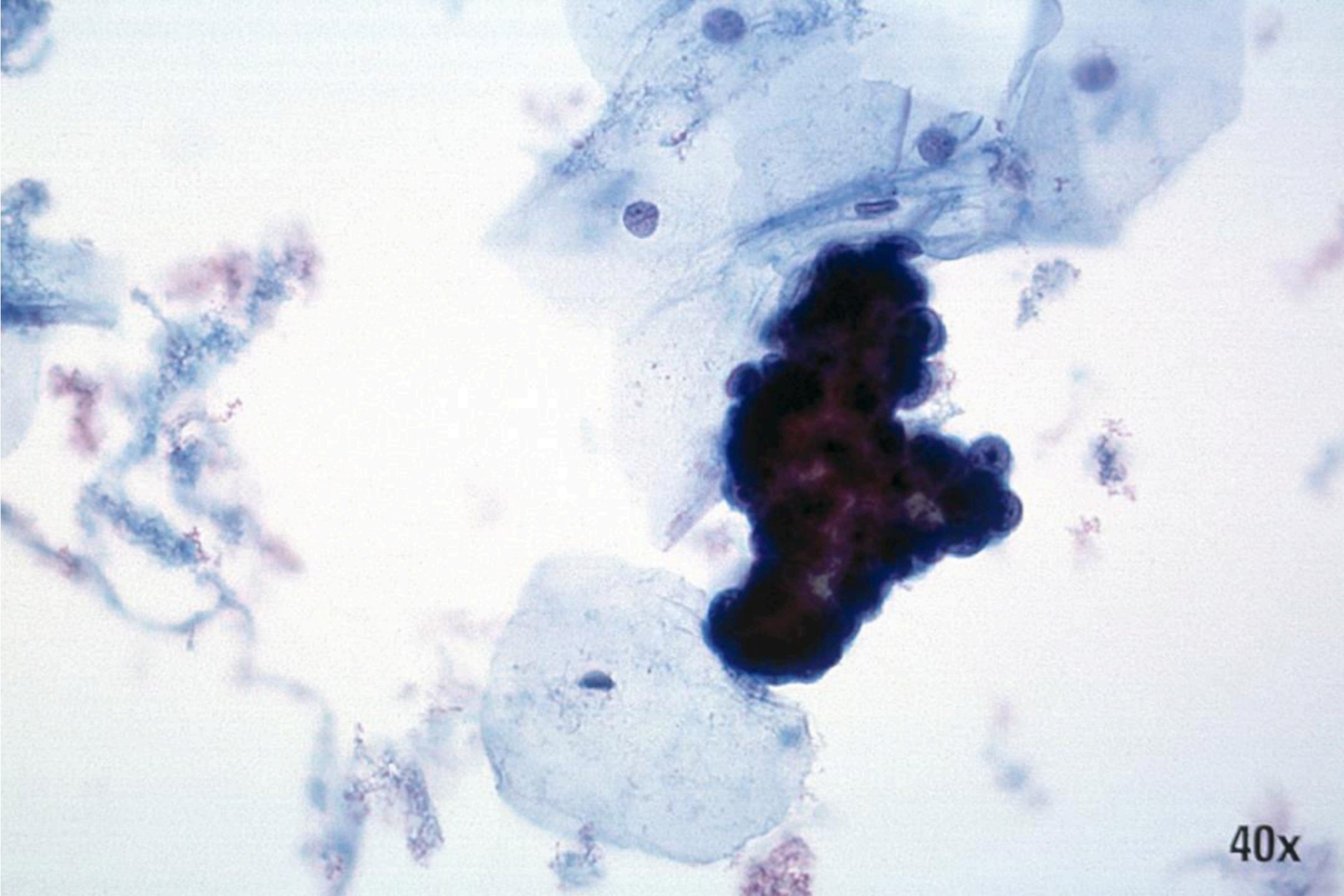
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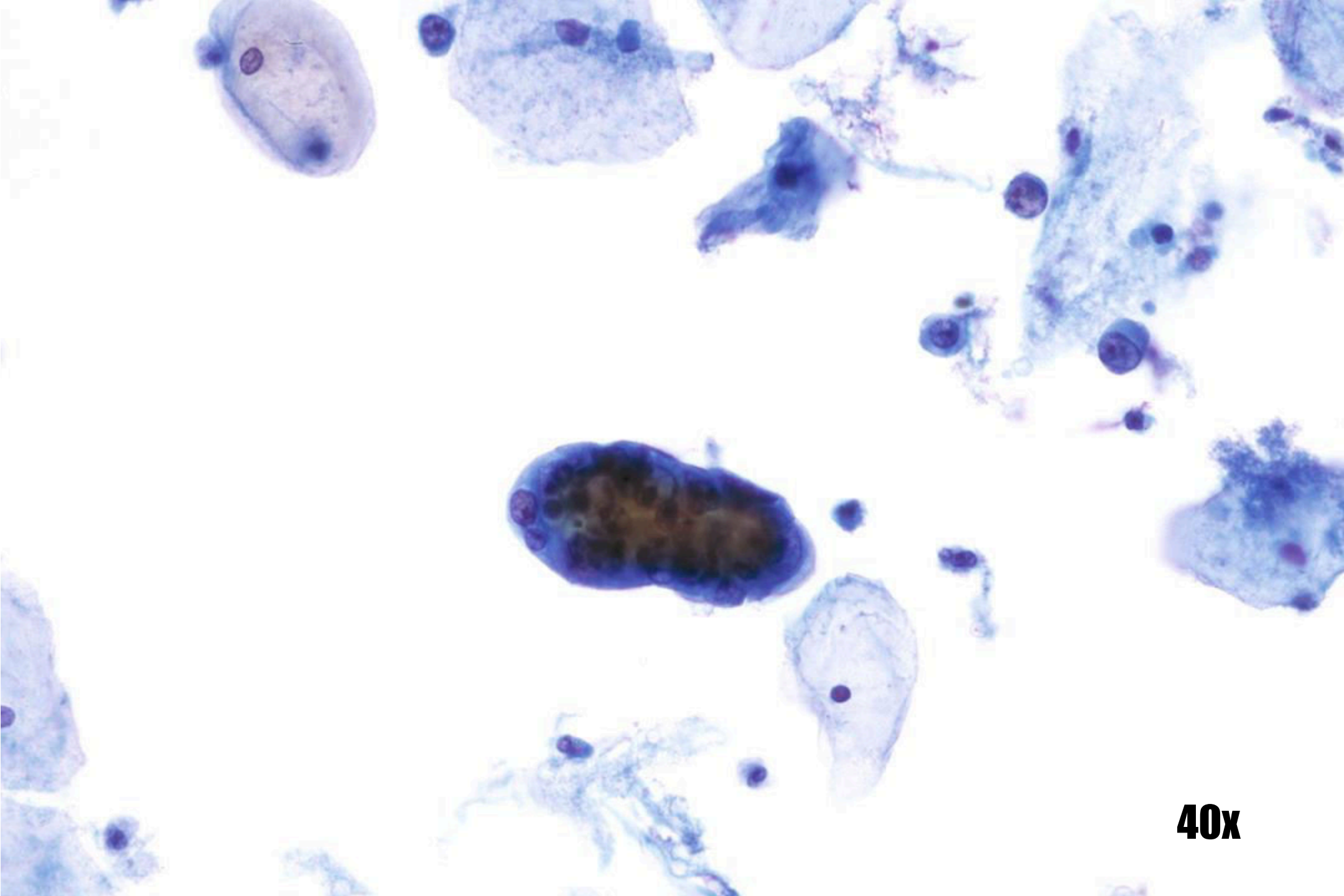
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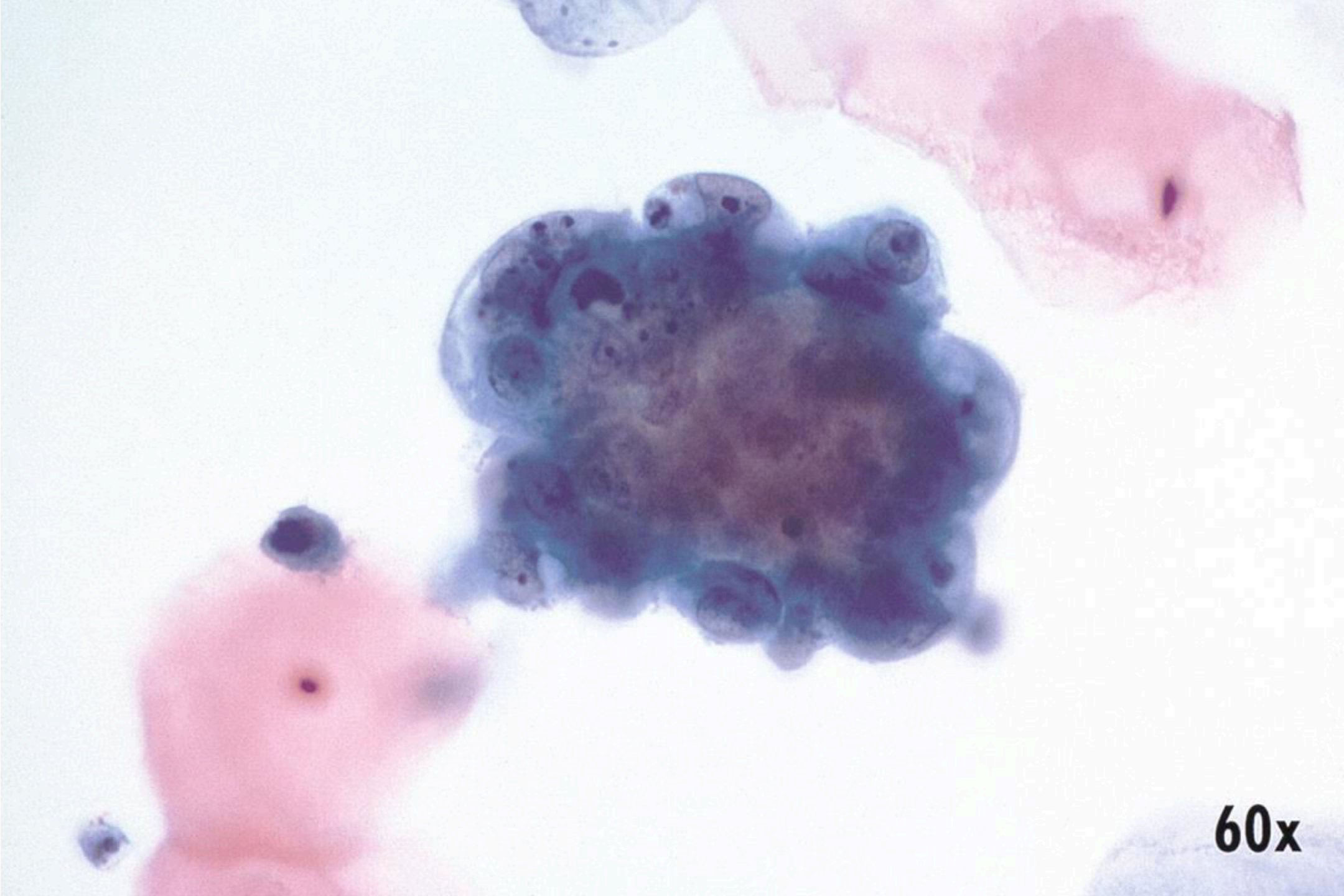
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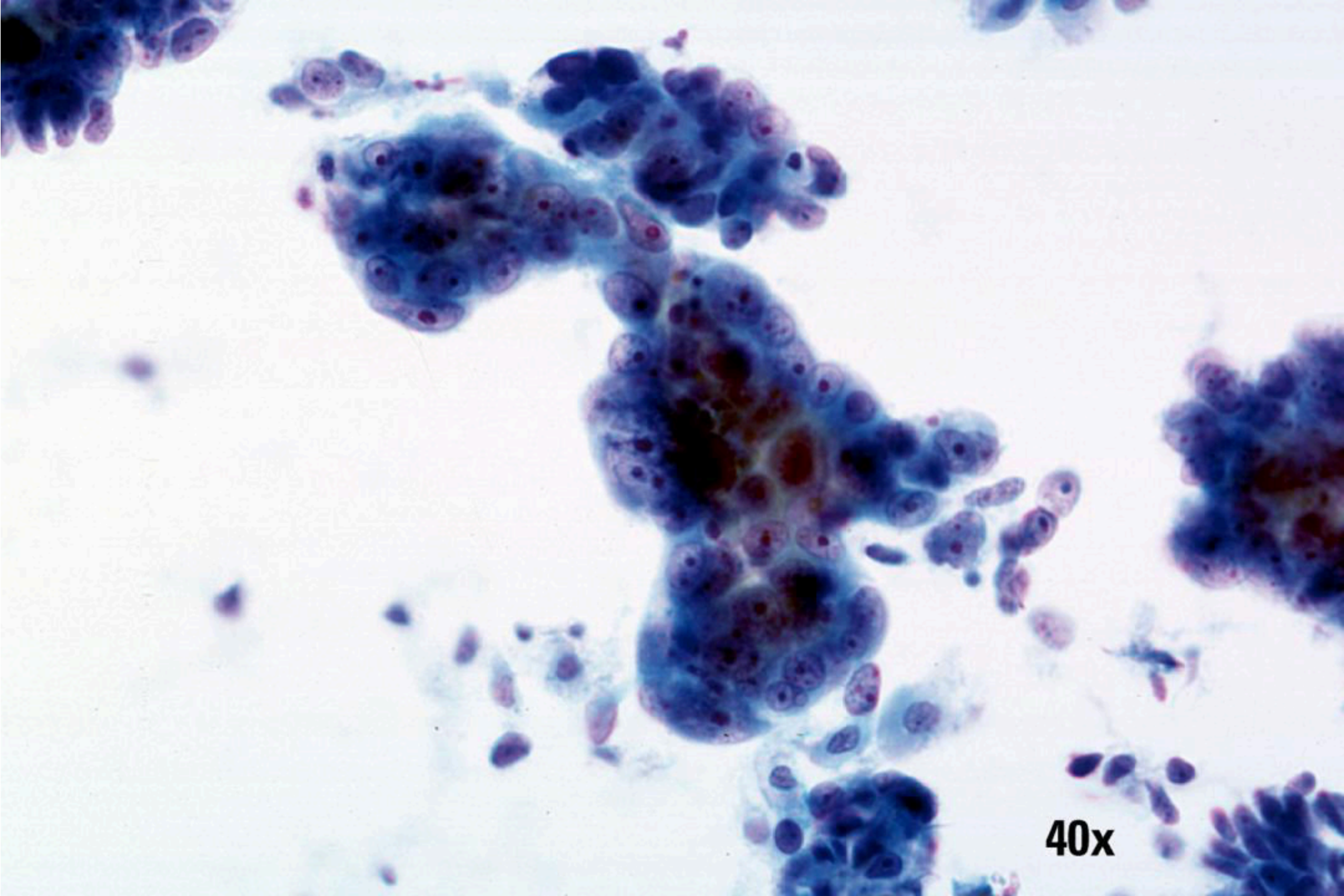
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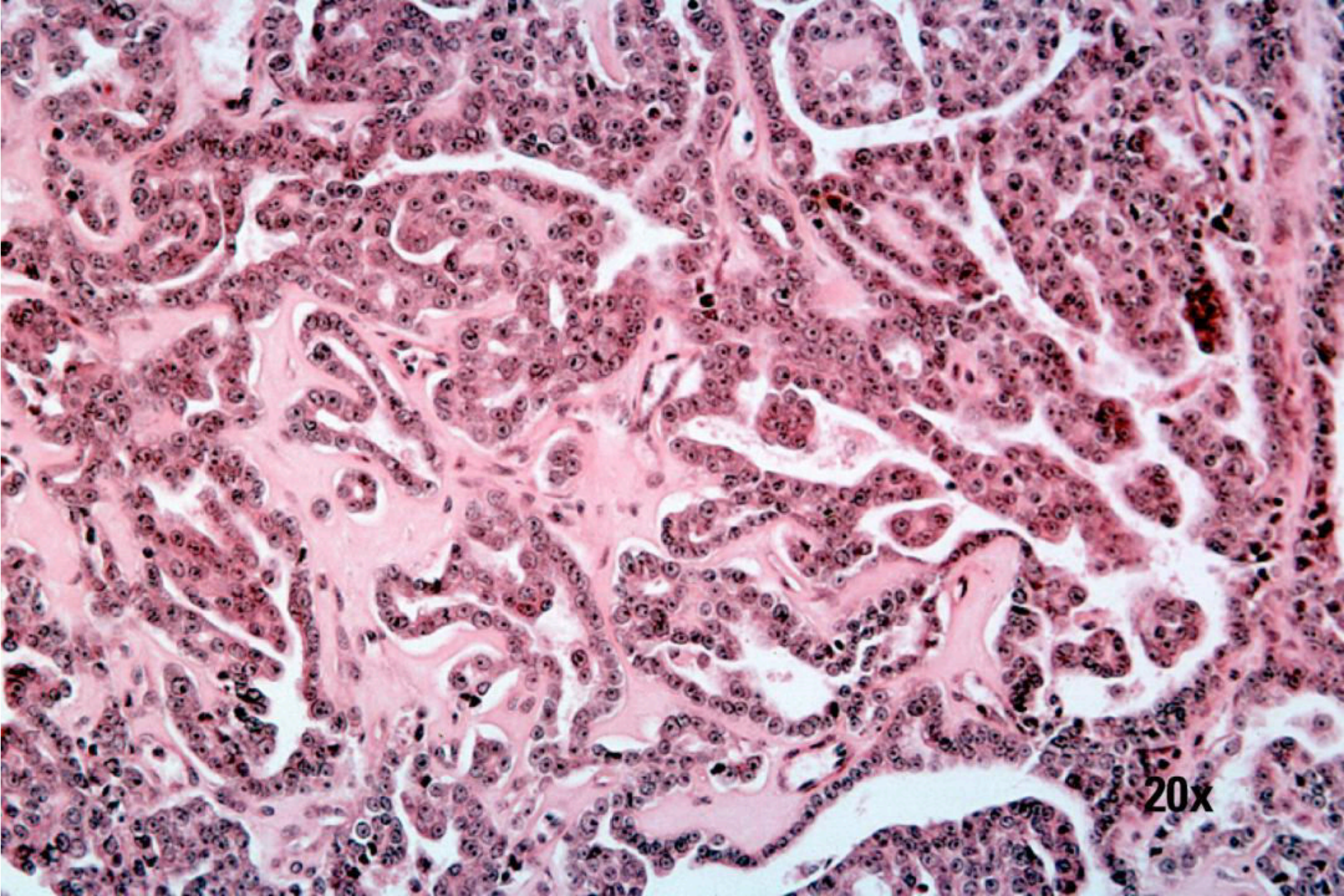
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上皮細胞の異常の終わり

