

ThinPrep® 细胞形态



ThinPrep[®] 细胞形态

正常细胞



细胞学检验员及病理学家培训

- 读片环节
- 评估模块
- **表现评定模块**



ThinPrep[®] 程序



分散



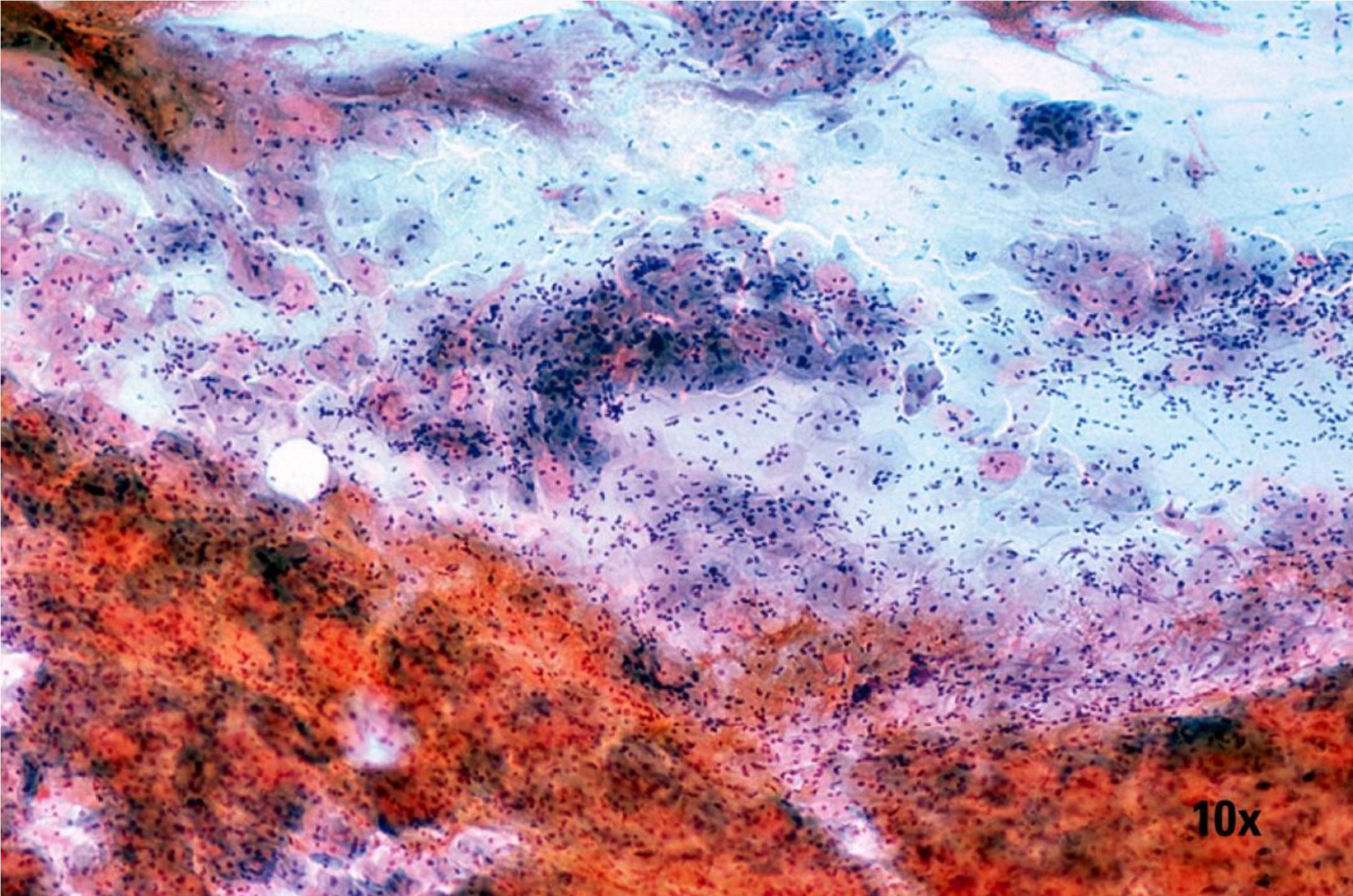
细胞采集



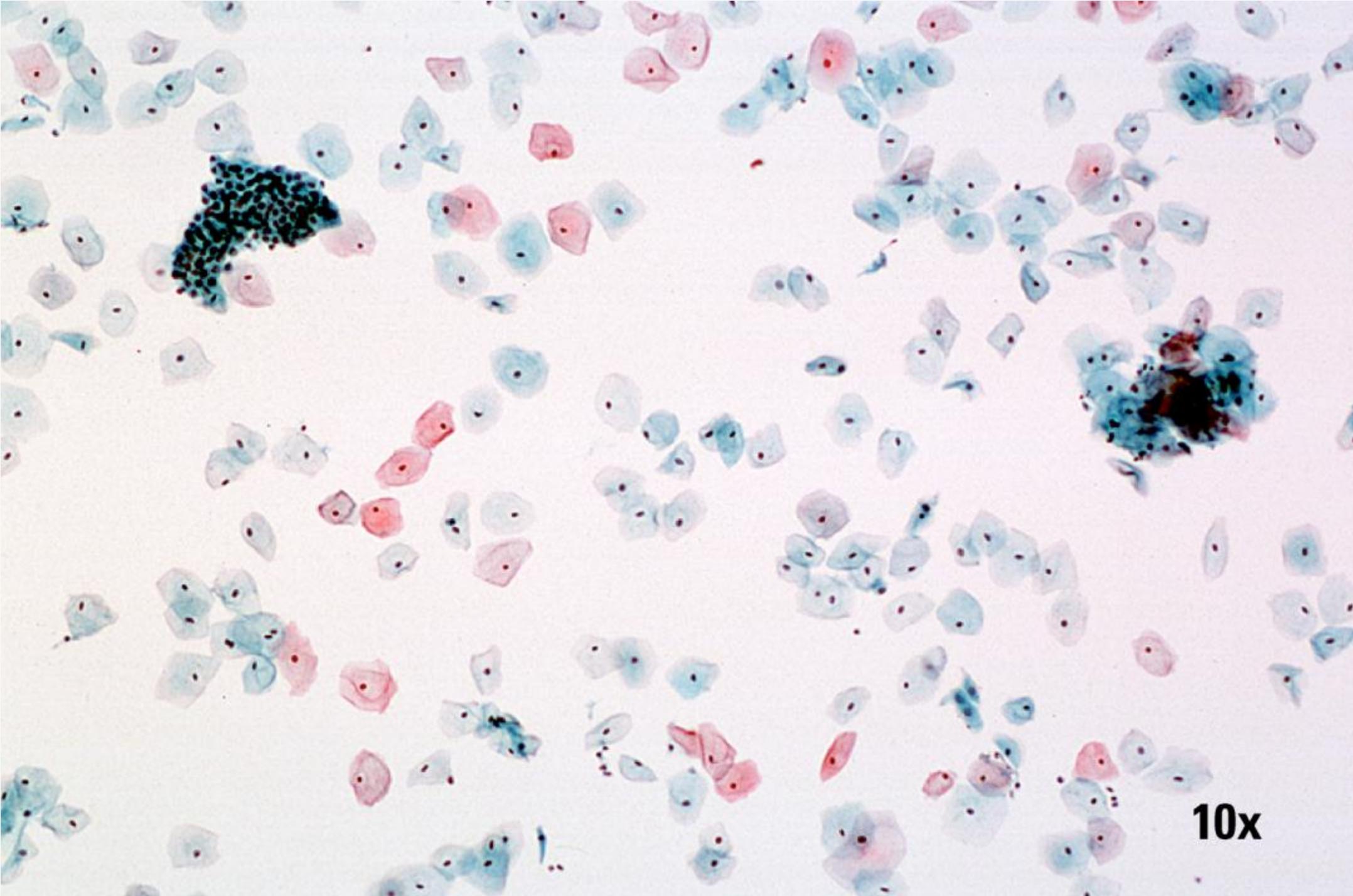
细胞转移







10x



10x

ThinPrep® 特征

- 液基固定
- 细胞大小
- 涂片的痕迹
- 涂片背景
- 共通点多于差异

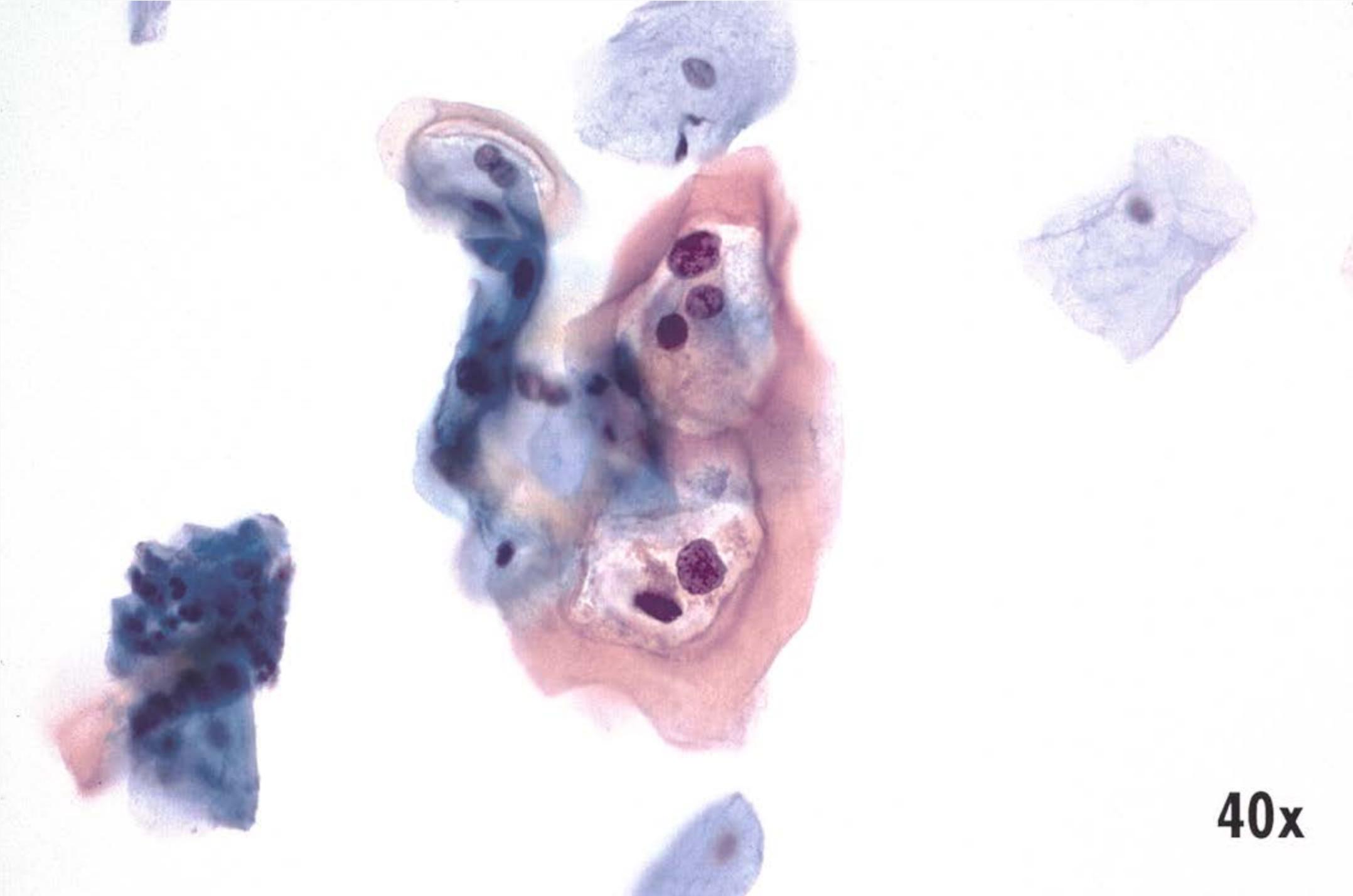


ThinPrep® 特征

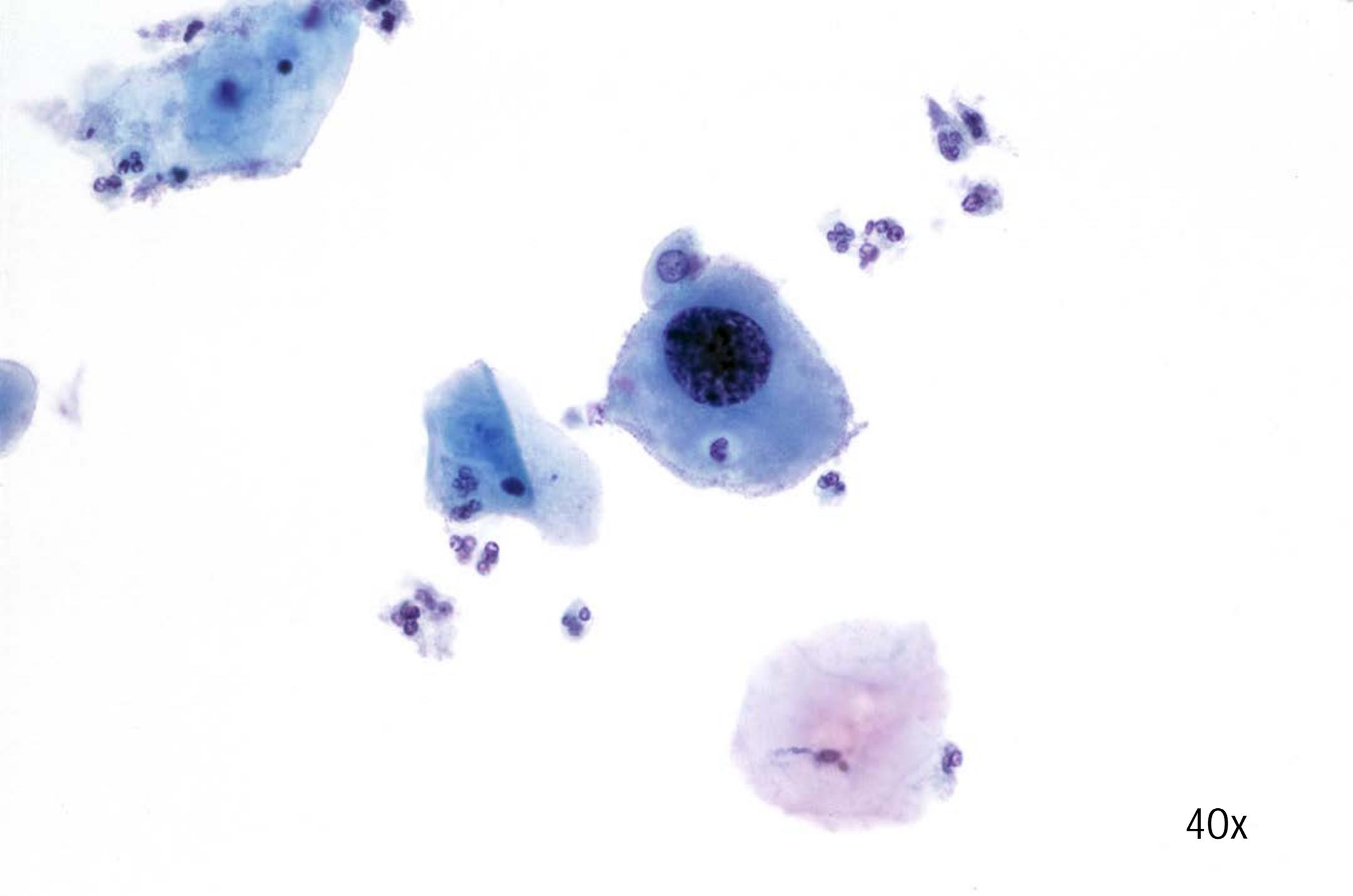
液基固定

- 提高细胞浆的细节
- 提高细胞核的细节
- 细胞核染色的变化

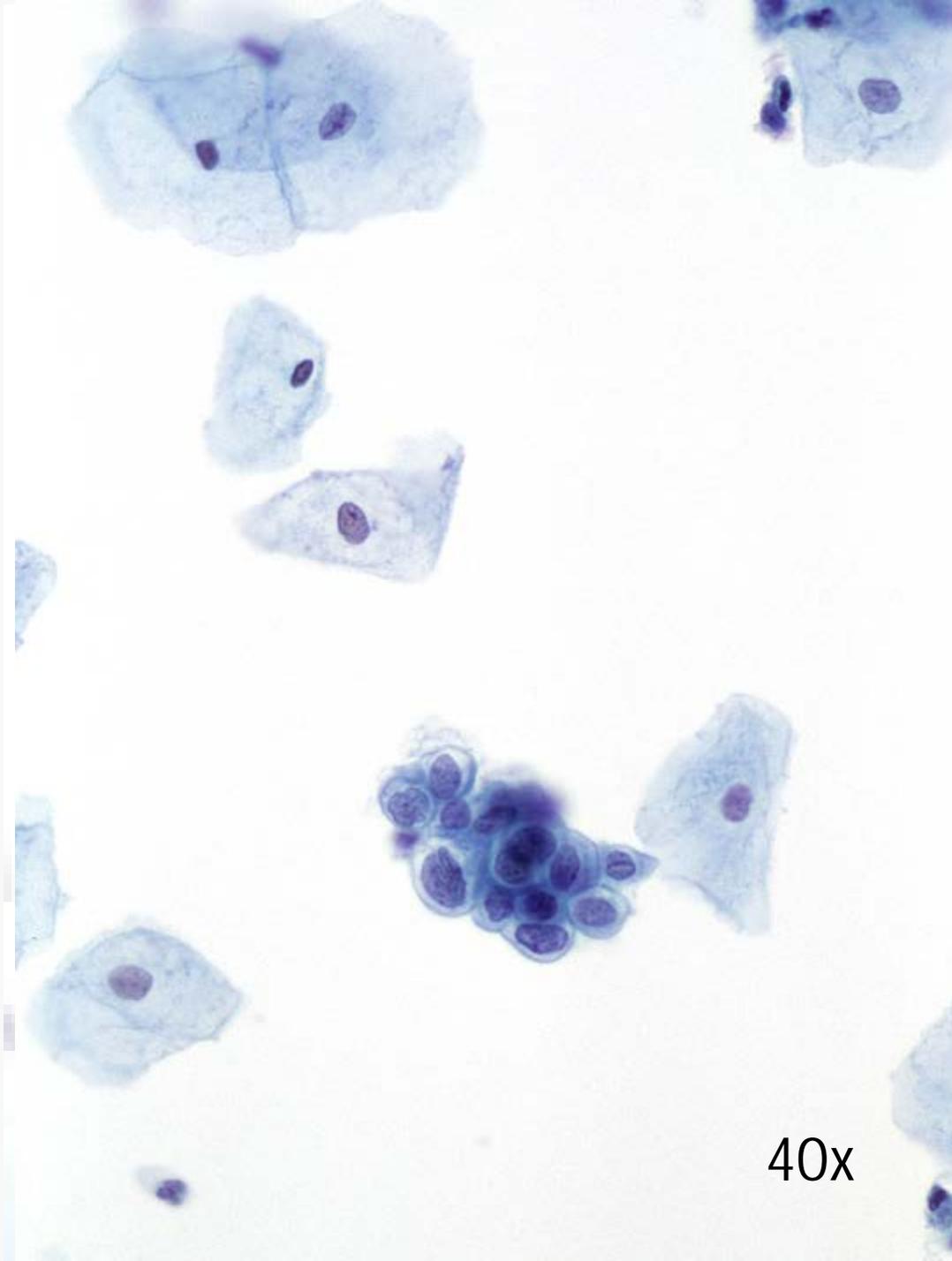




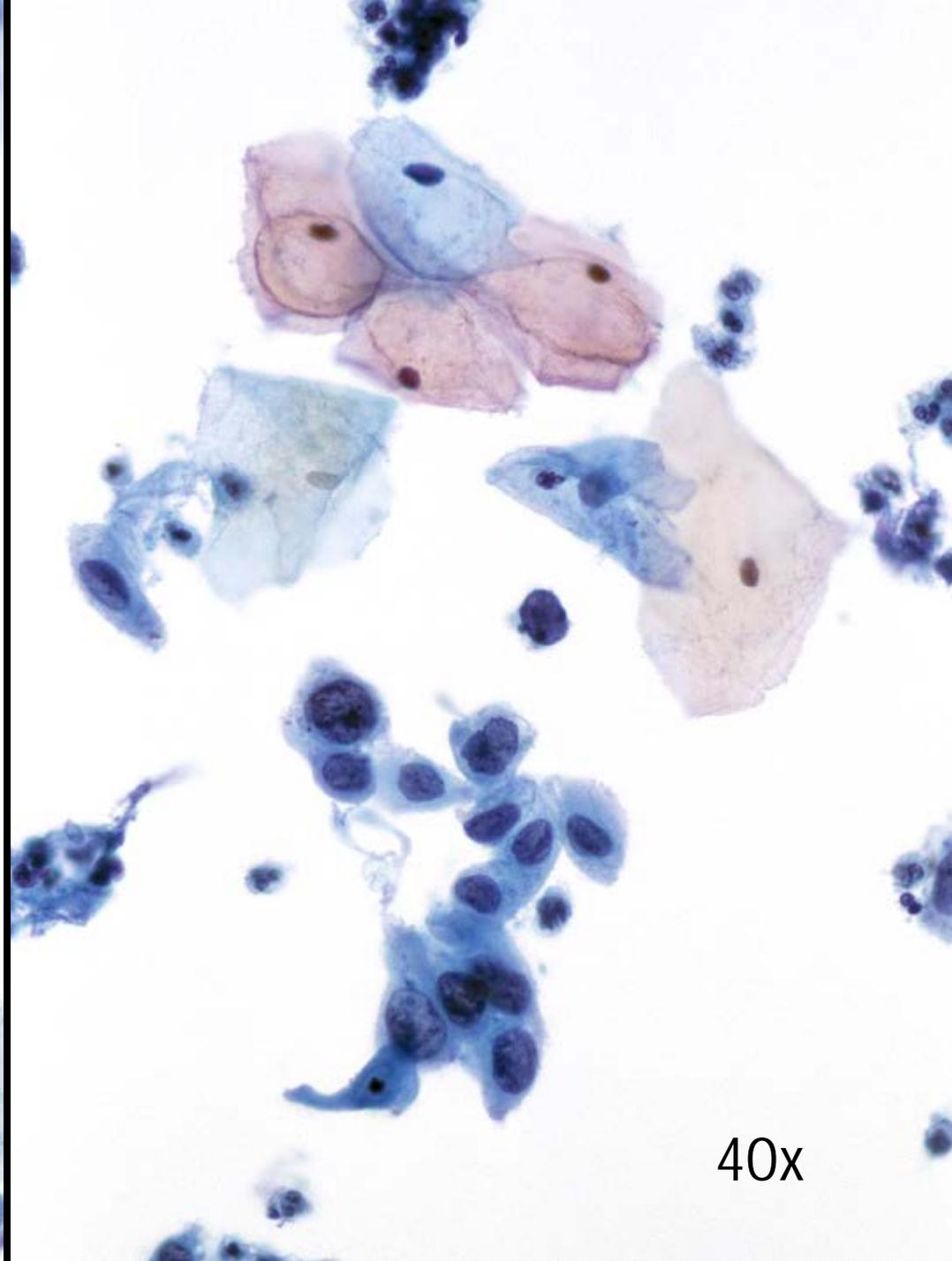
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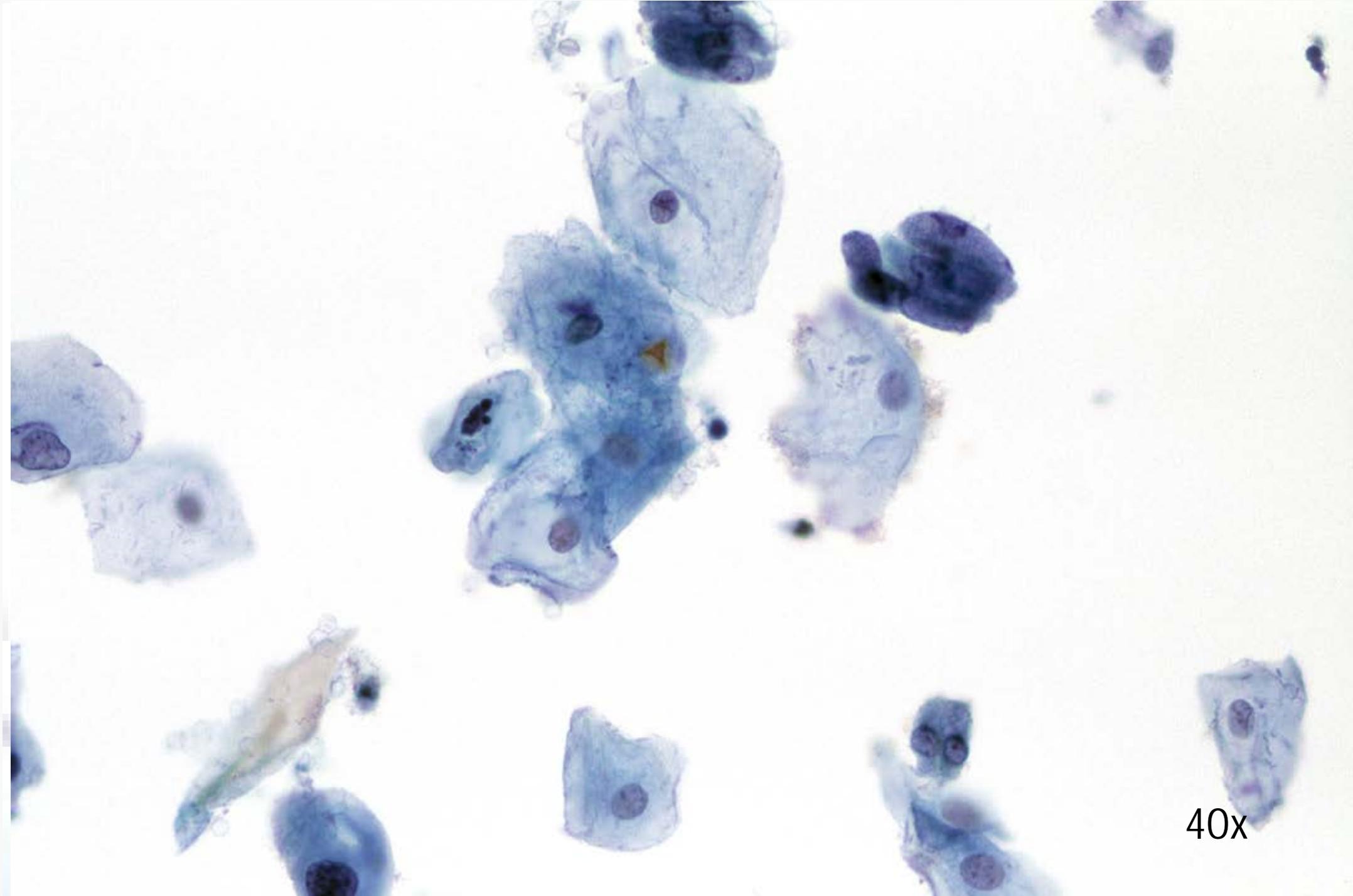
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ThinPrep® 特征

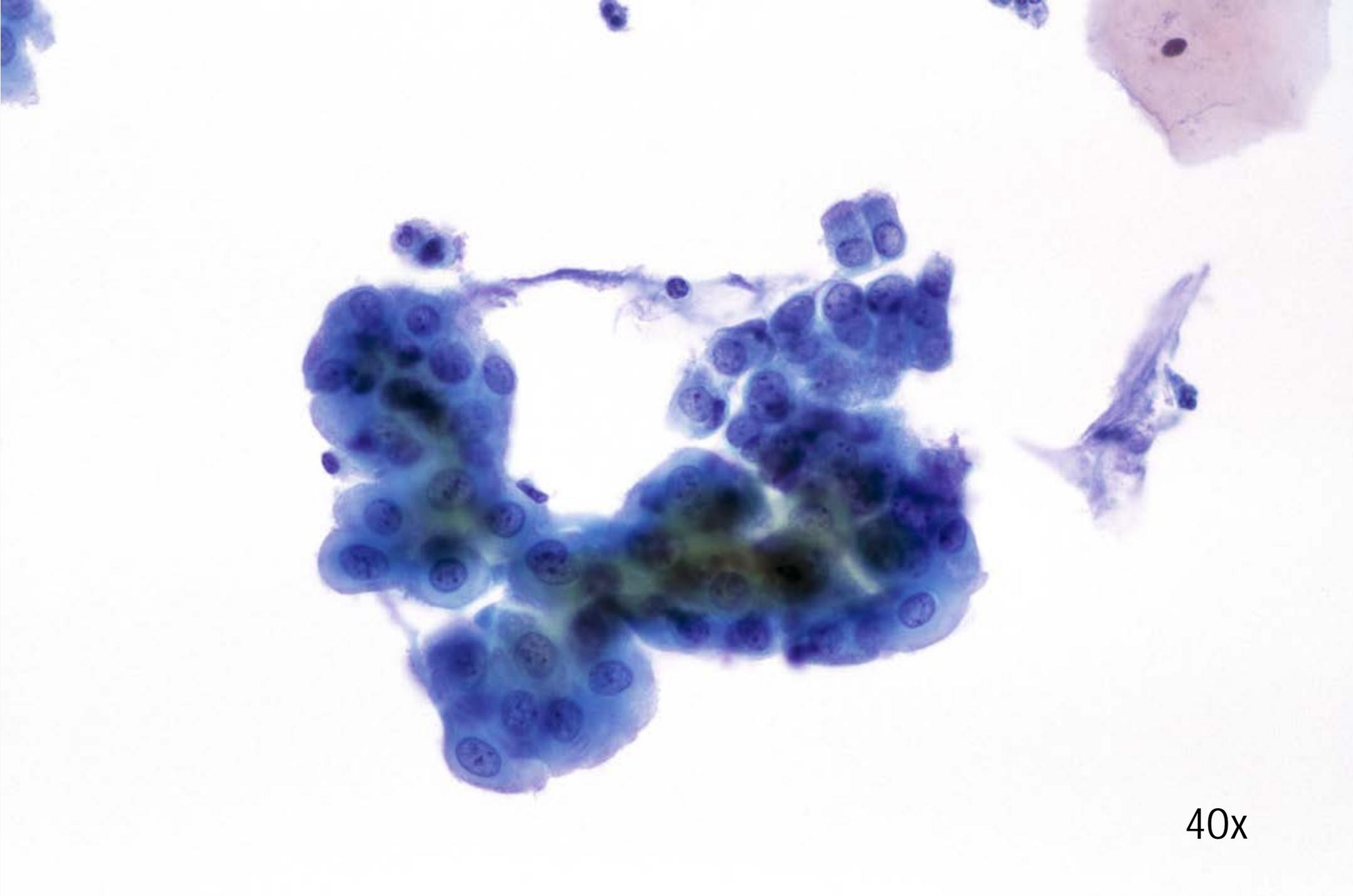
细胞大小

- 使细胞大小“成比例”地缩小
- 单个细胞较明显
- 细胞在溶液中呈团状





40x



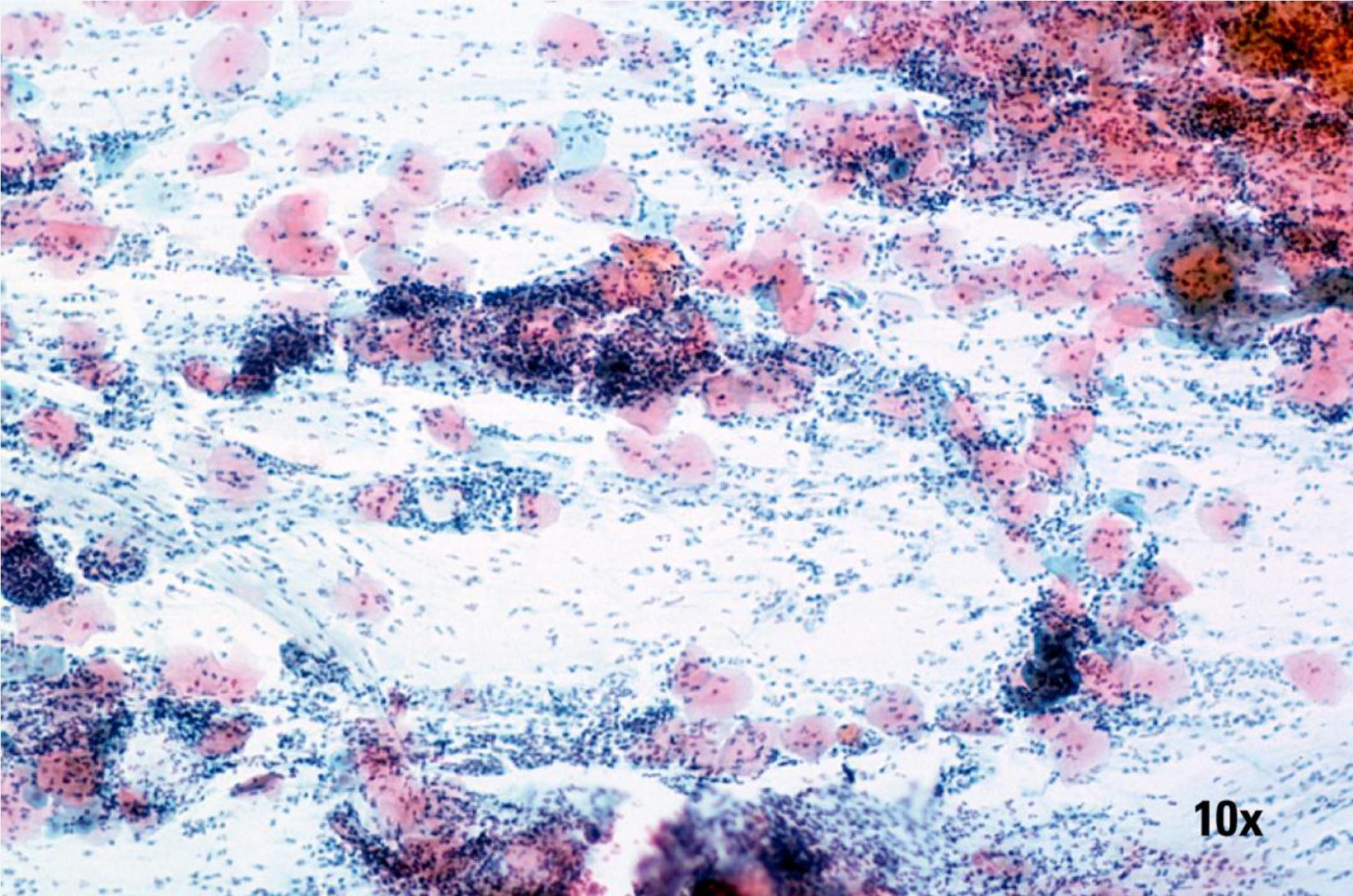
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ThinPrep® 特征

涂片的痕迹

- 消除机械干扰物质
- 细胞物质不会随粘液拉出
- 组织结构能够得以保持





10x



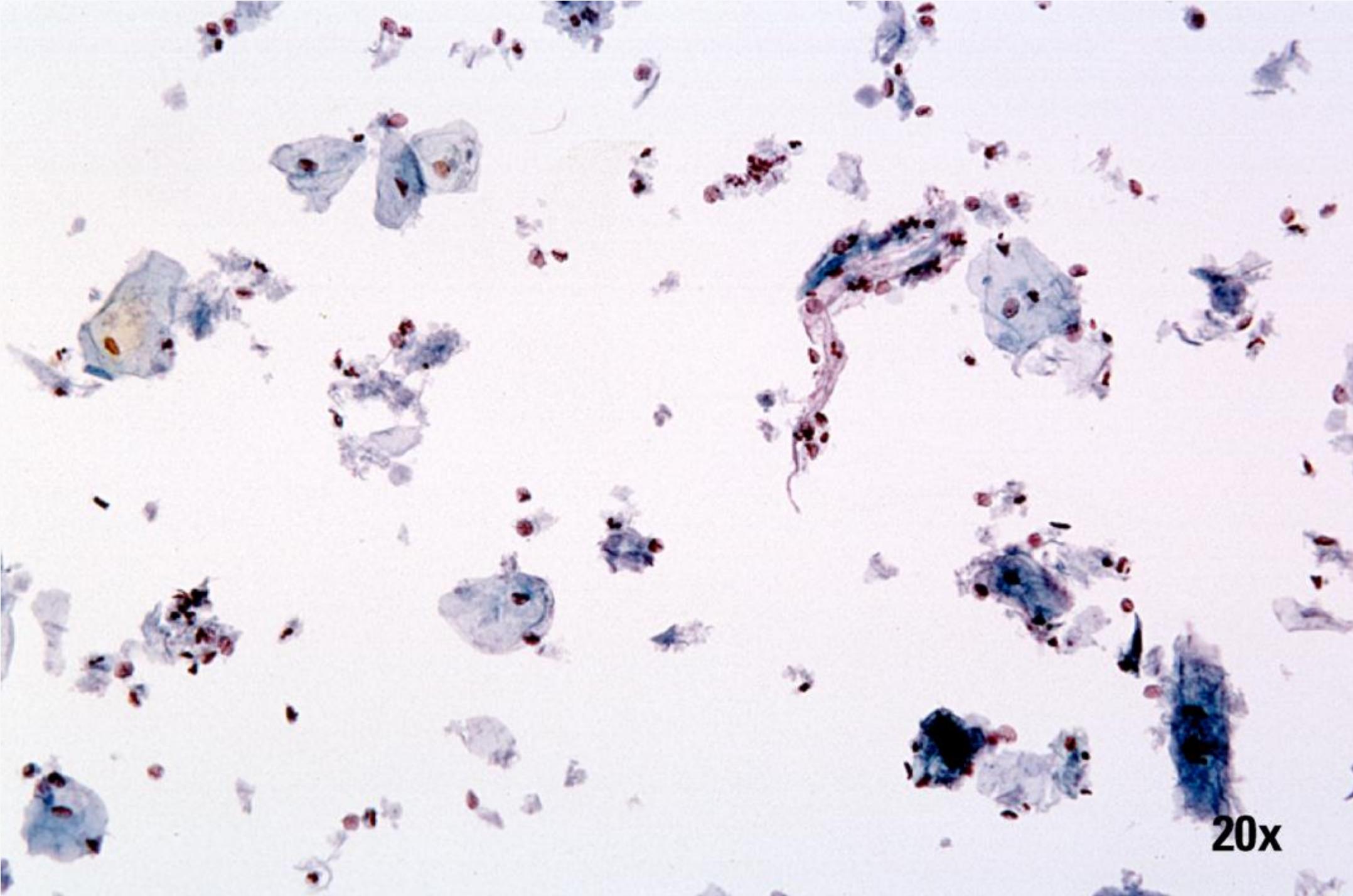
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ThinPrep® 特征

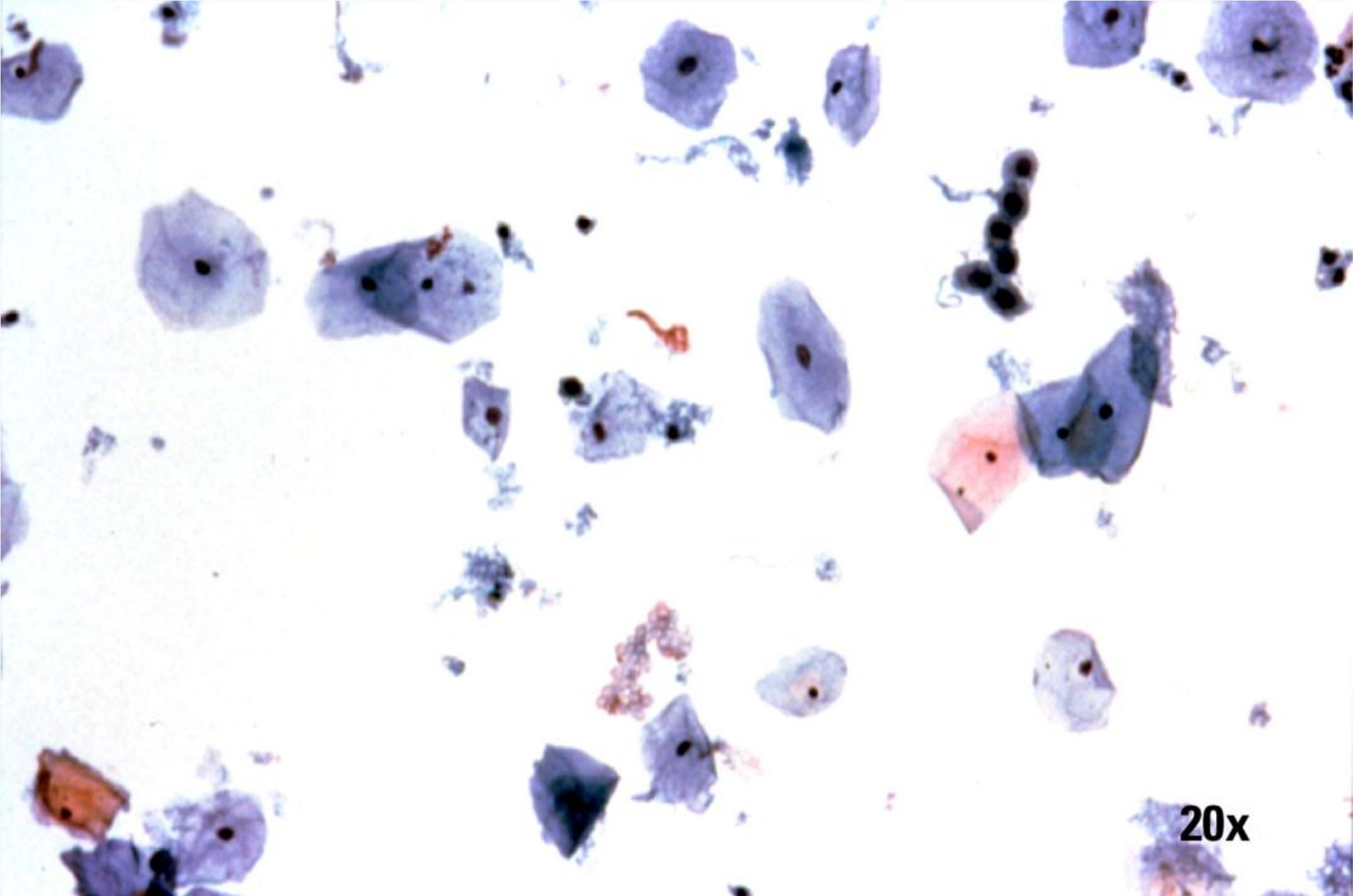
涂片背景

- 背景较干净
- 细胞碎片更多地呈现出块状
- “线索”散落在背景中
- “肮脏”的背景：
传染病、细胞溶解、血液（月经）、疾病

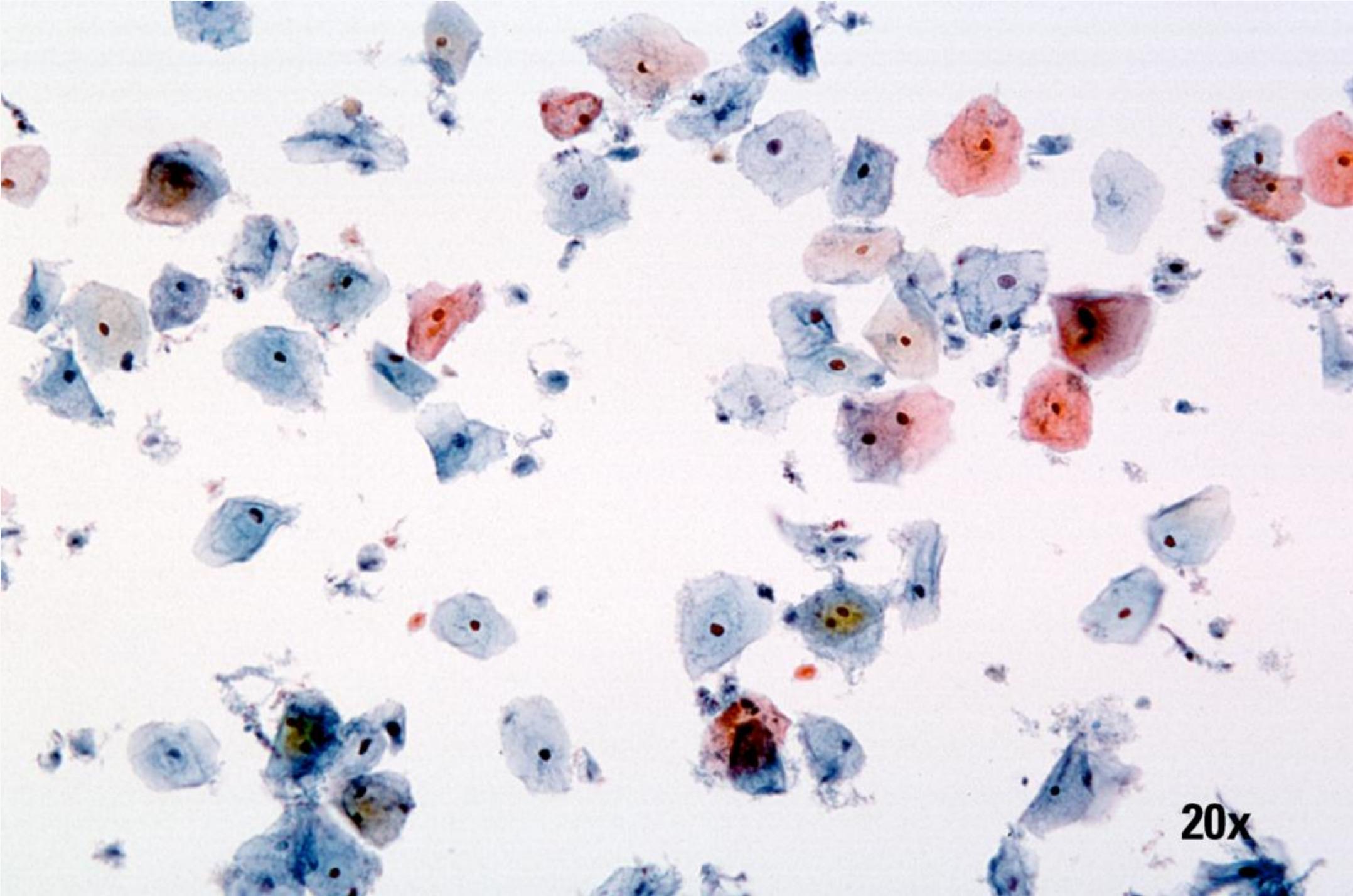




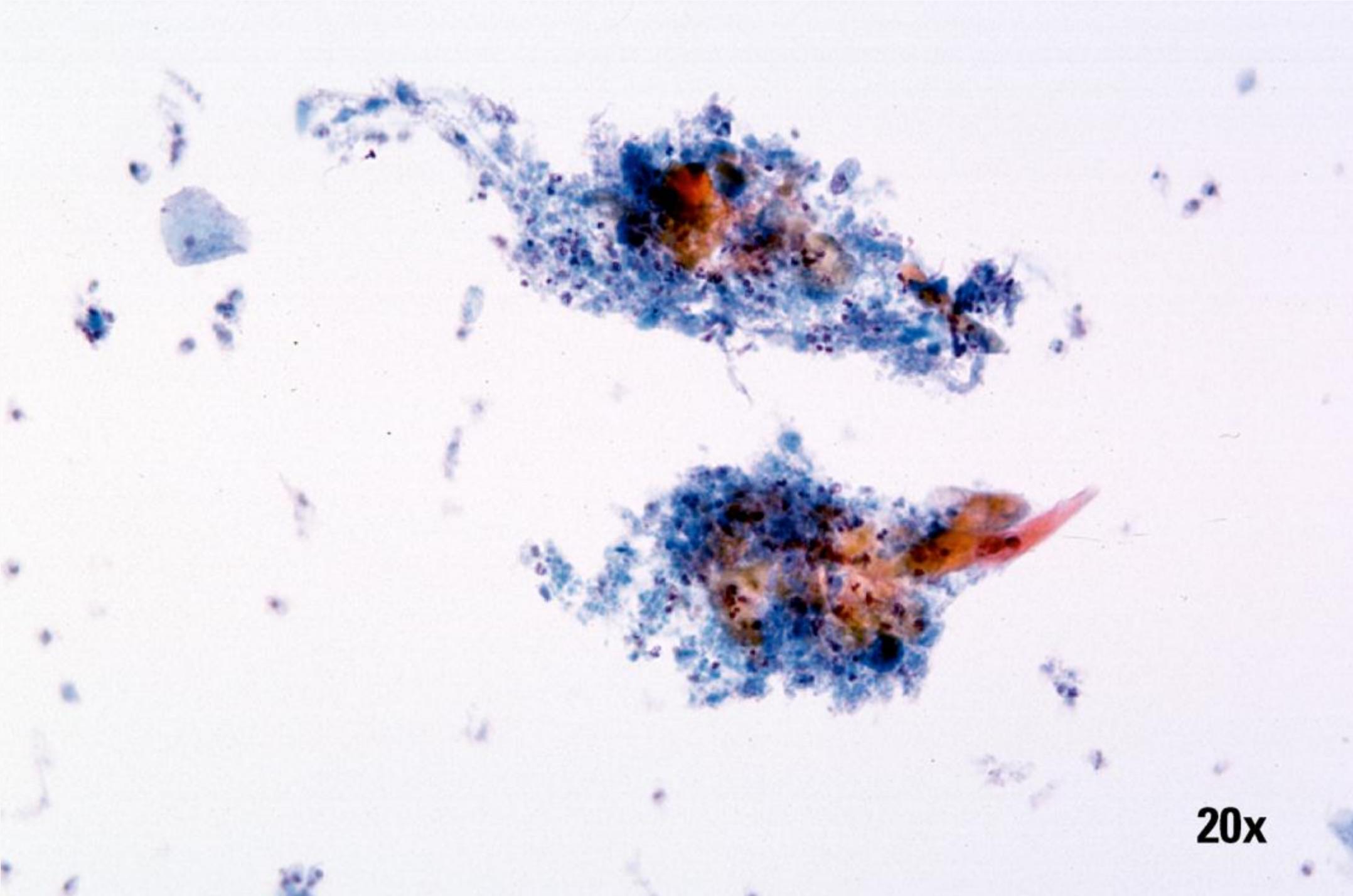
20x



20x



20x



20x

ThinPrep® 特征

读片技术

- 系统
- 有条不紊
- 略有重叠

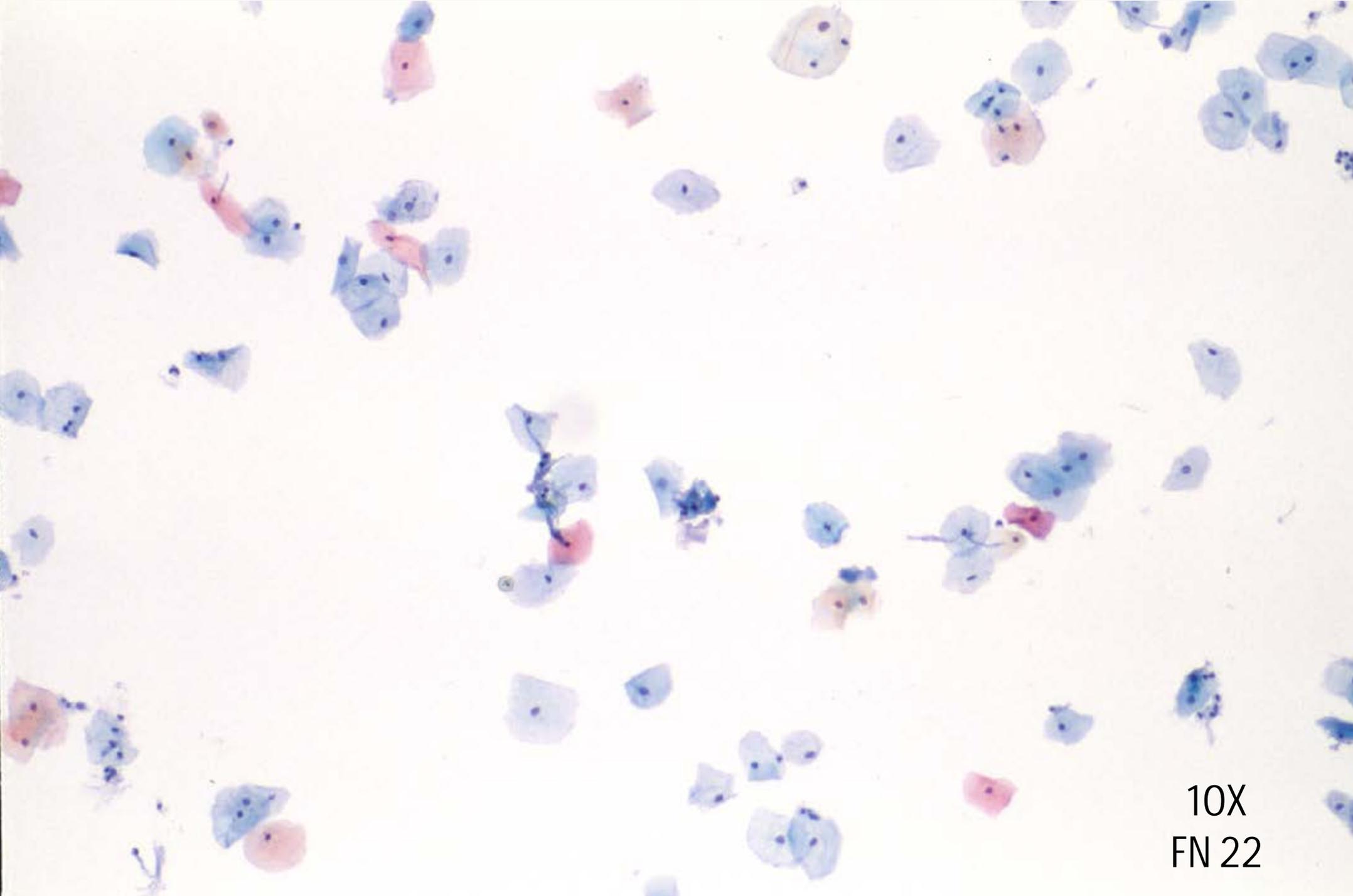


ThinPrep® 特征

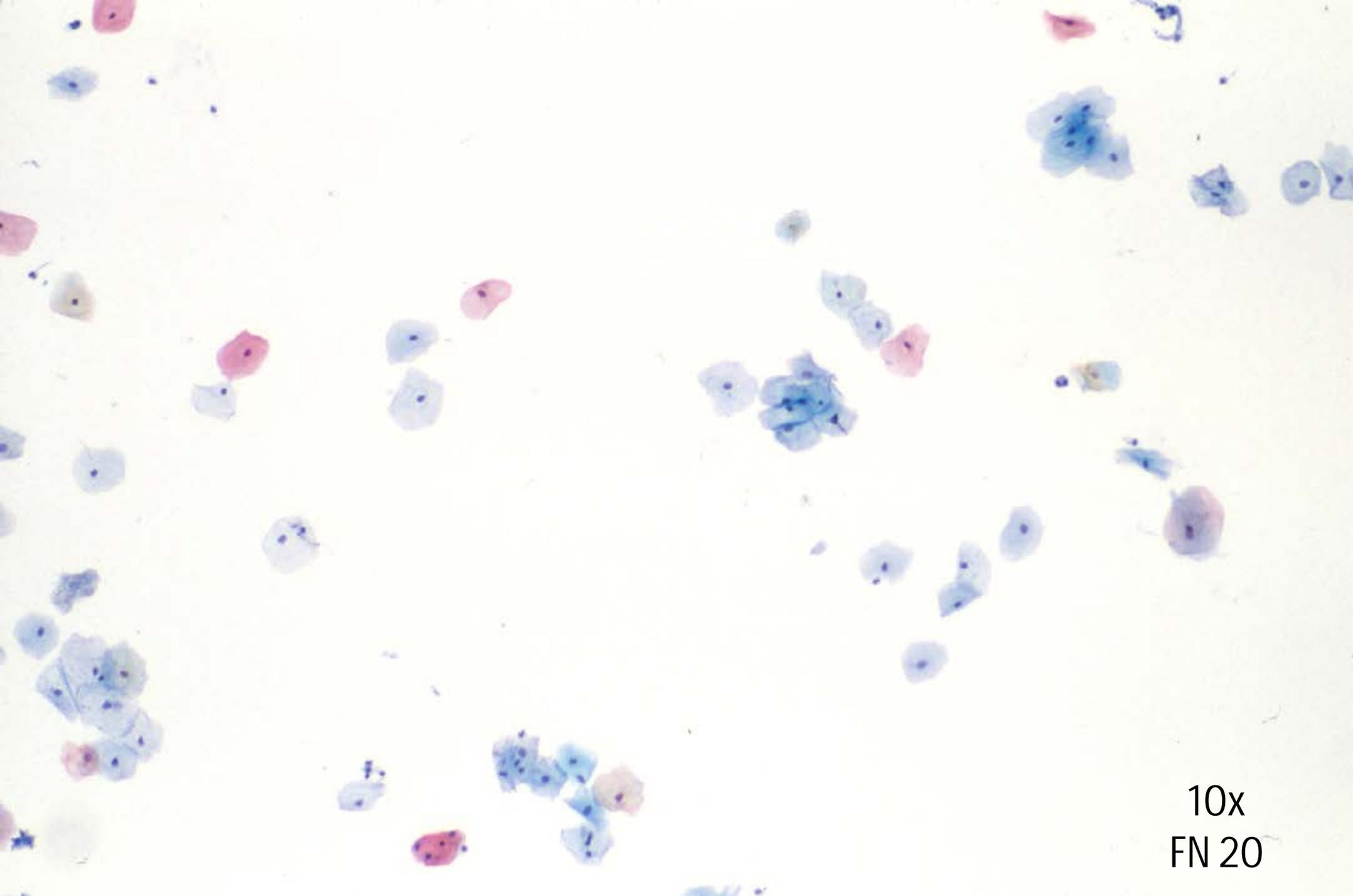
I 细胞量的满意标准

细胞液滴的直径 MM	面积	FN20 目镜/10x 物镜		FN20 目镜/40x 物镜		FN22 目镜/10x 物镜		FN22 目镜/40x 物镜	
		#视野区域 数量@ FN20 10X	细胞数量/ 显微视野 (共五千 个)	视野区域 数量@ FN20 40X	细胞数量/ 显微视野 (共五千 个)	#视野区域 数量@ FN22 10X	细胞数量/ 显微视野 (共五千 个)	视野区域 数量@ FN22 40X	细胞数量/ 显微视野 (共五千 个)
20	314.2	100	50.0	1600	3.1	82.6	60.5	1322	3.8

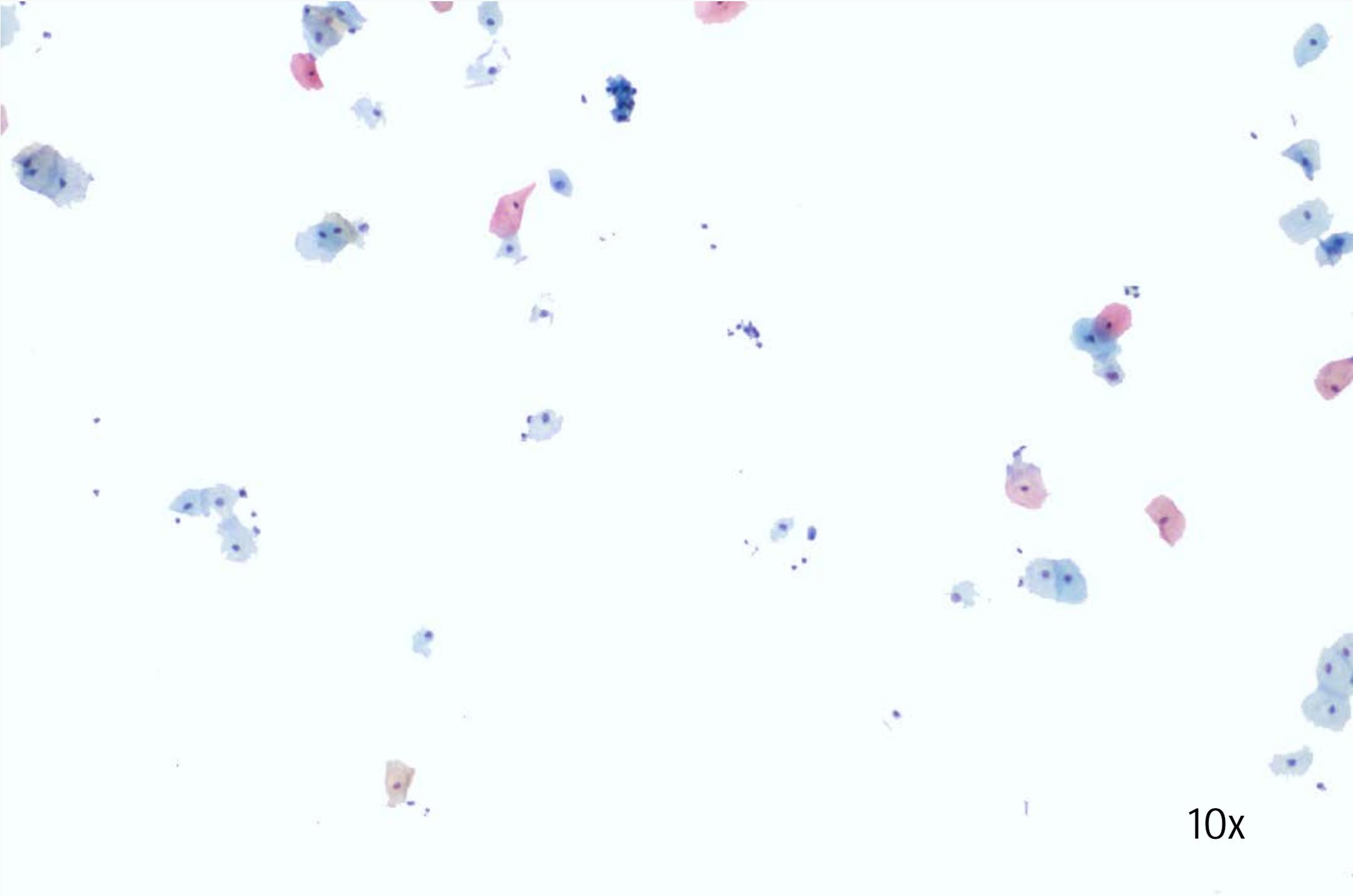




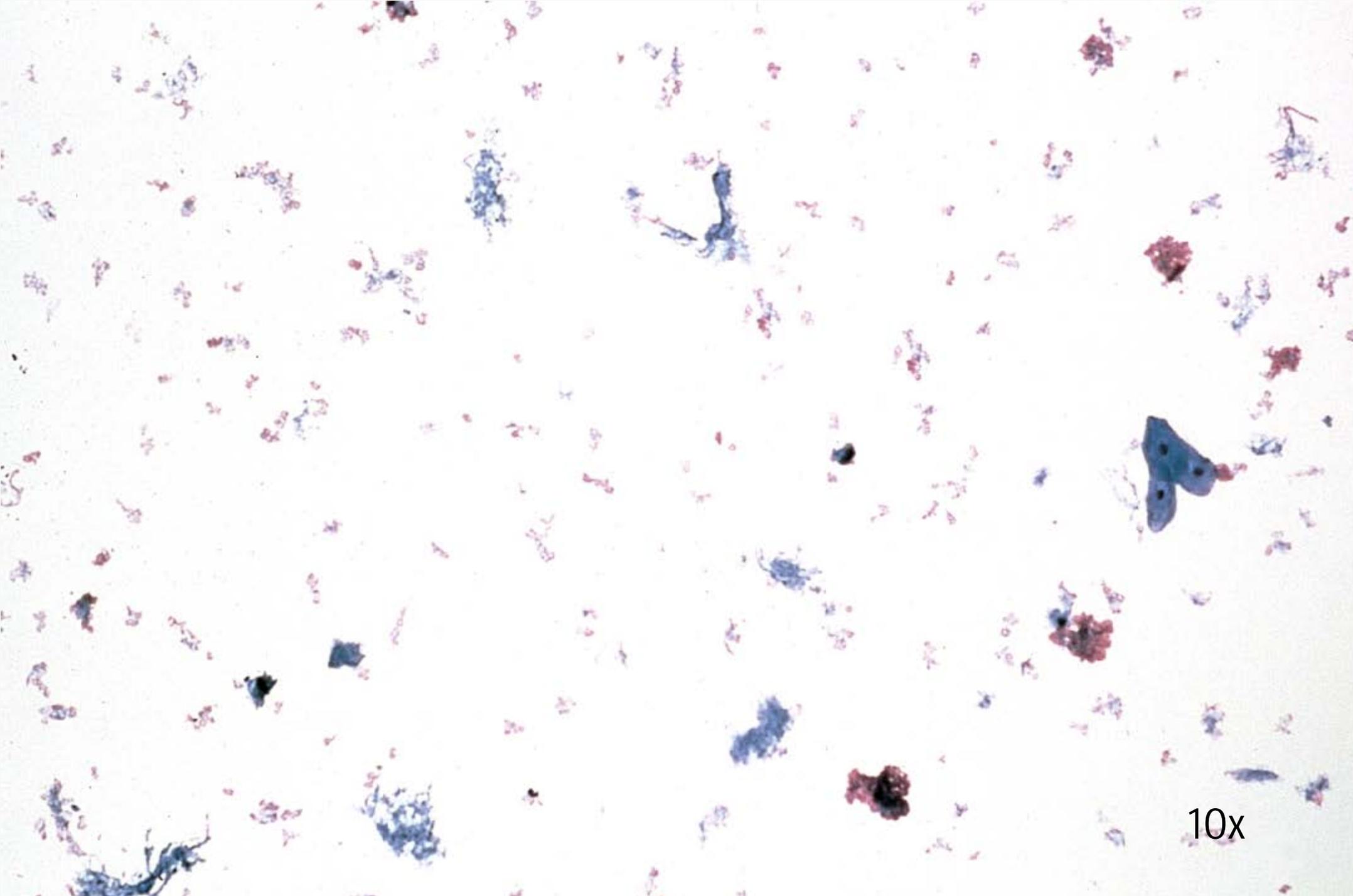
10X
FN 22



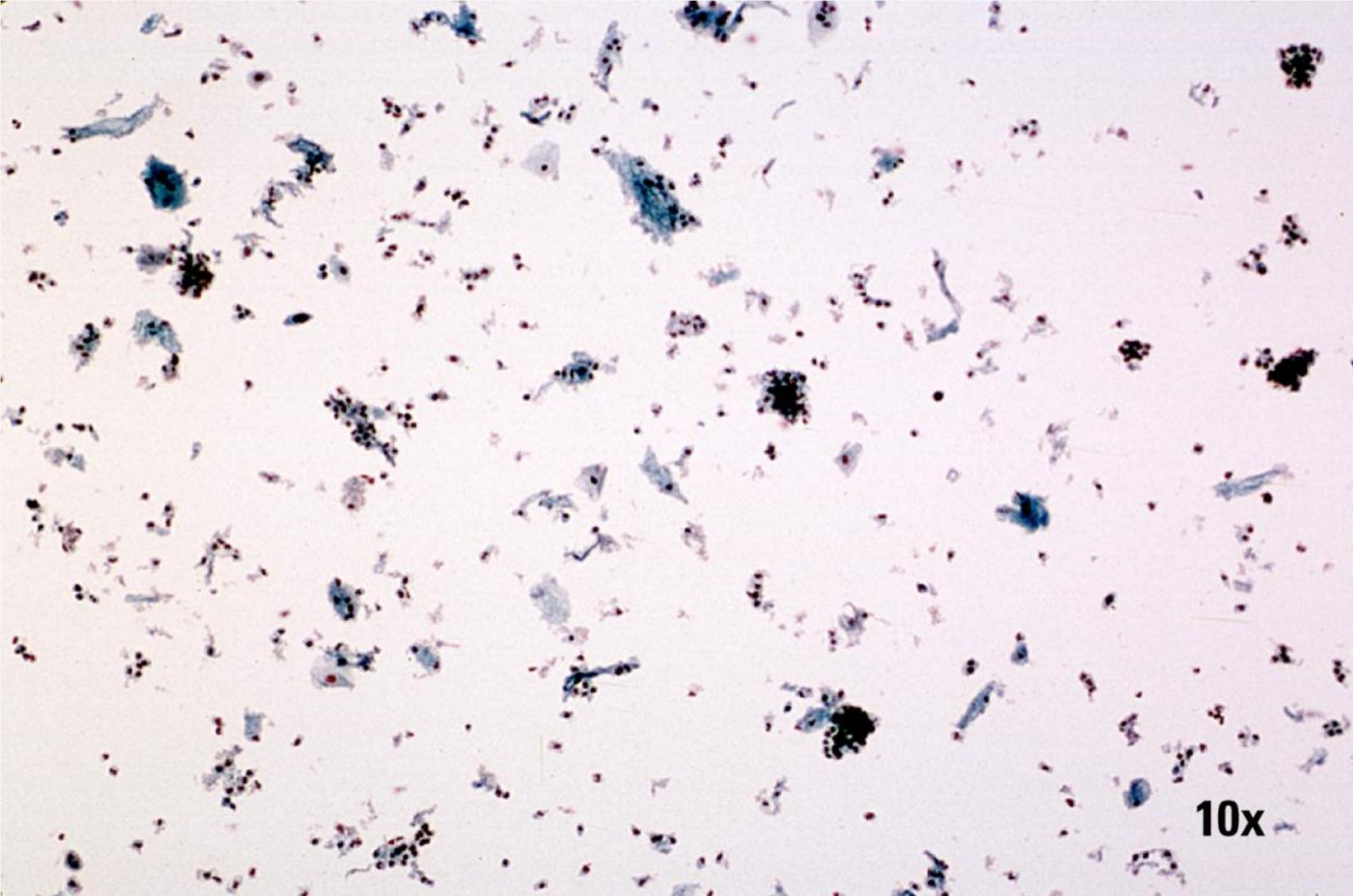
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FN 20



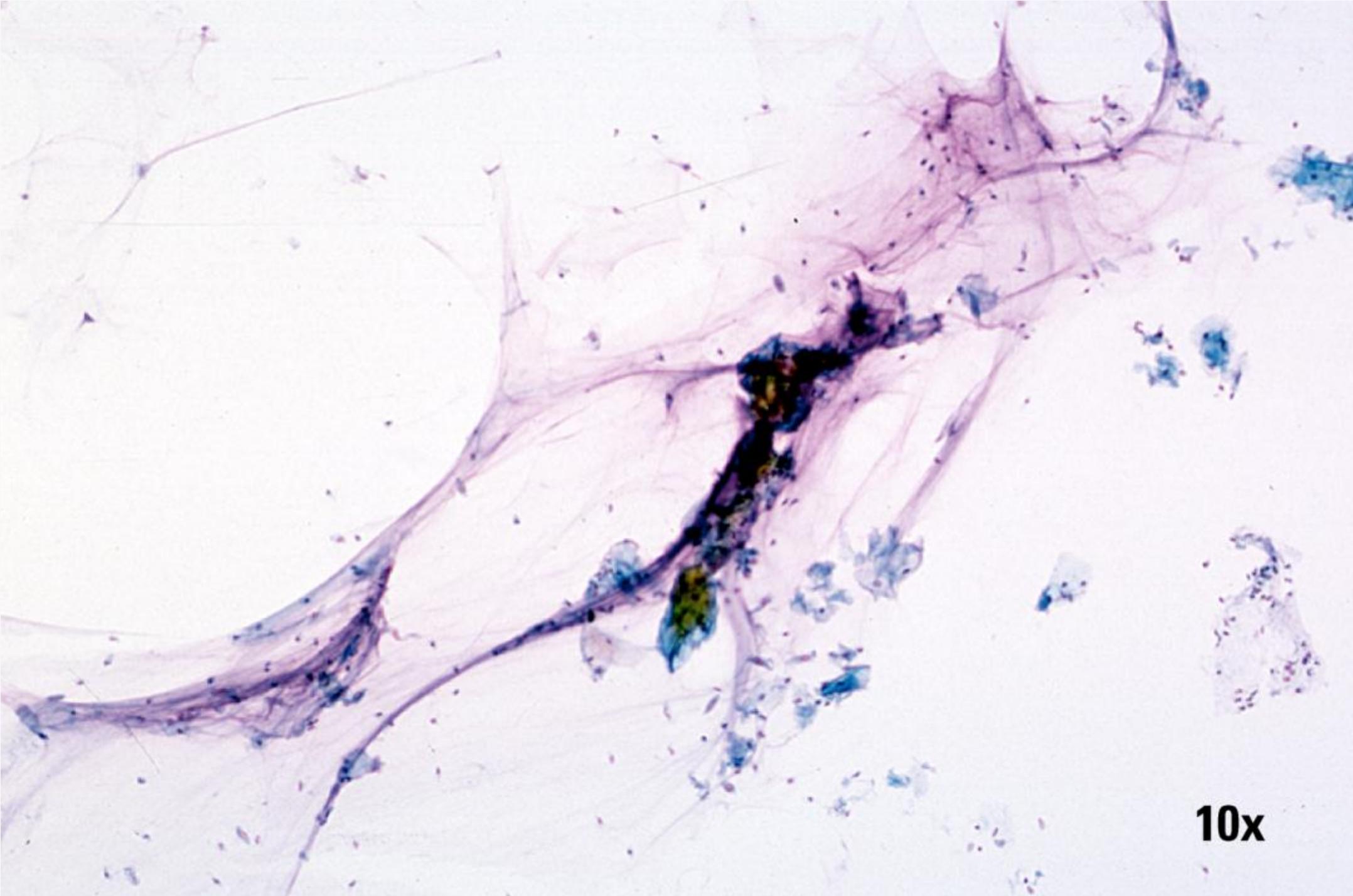
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10x



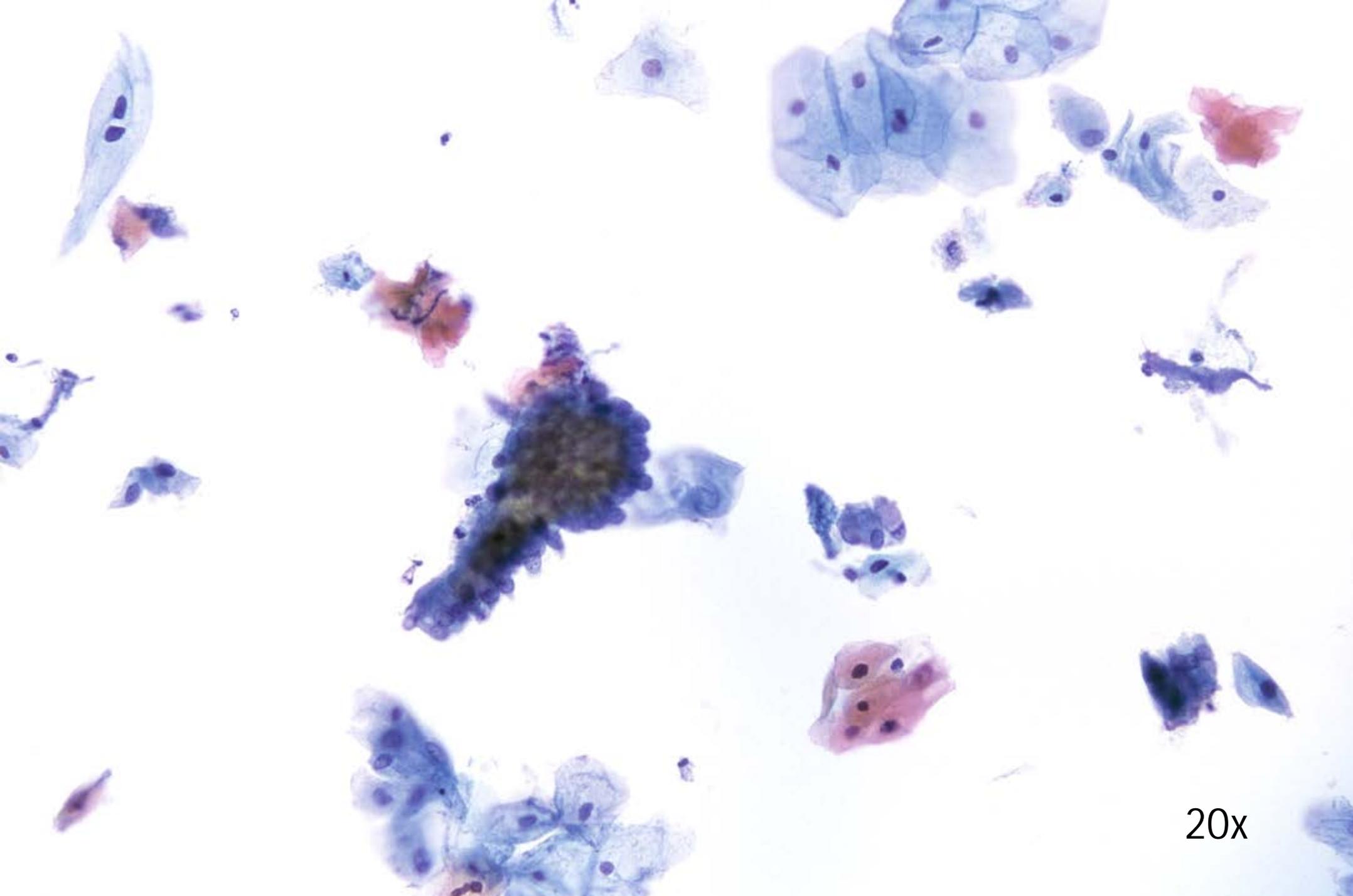
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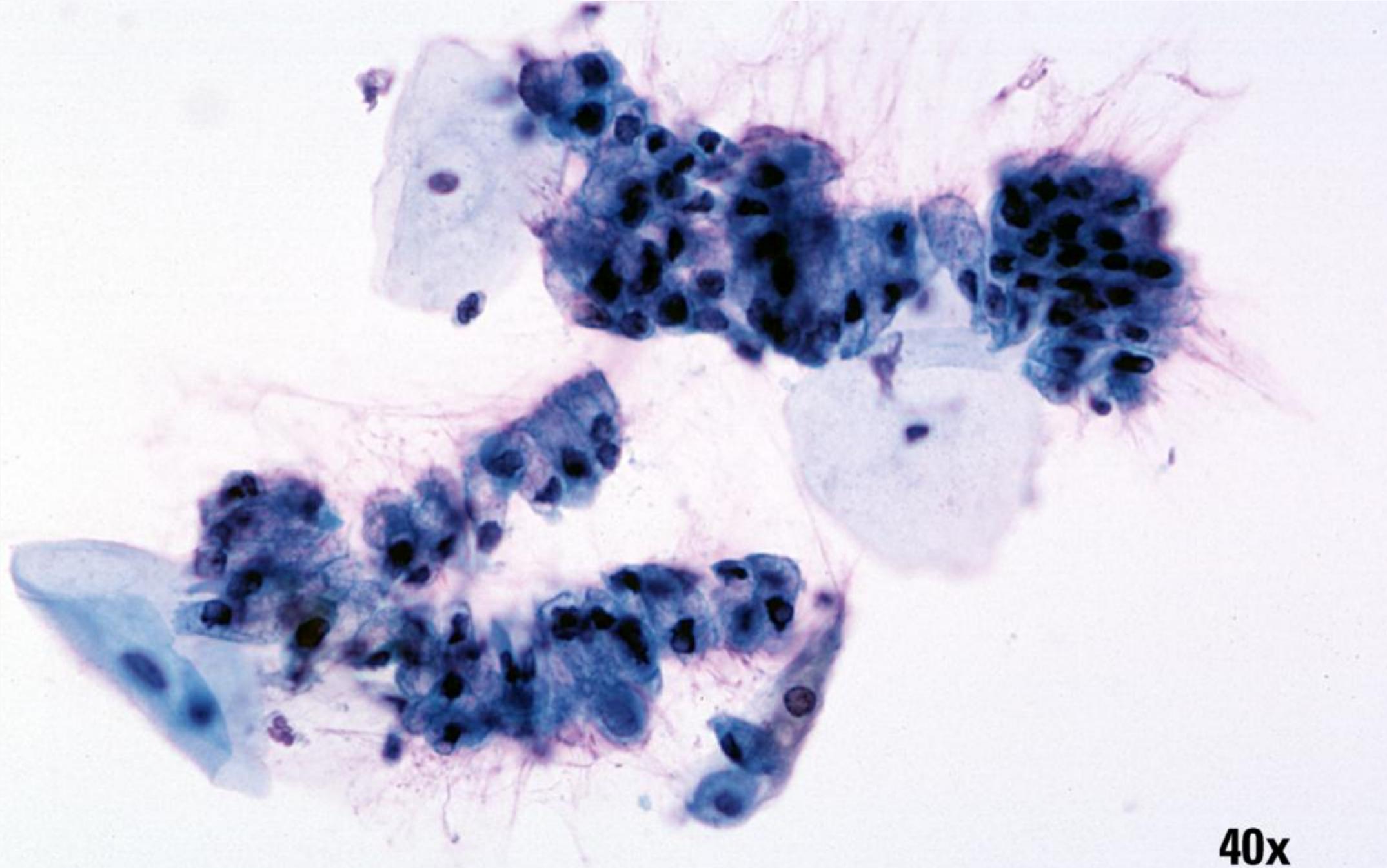
10x

颈管细胞

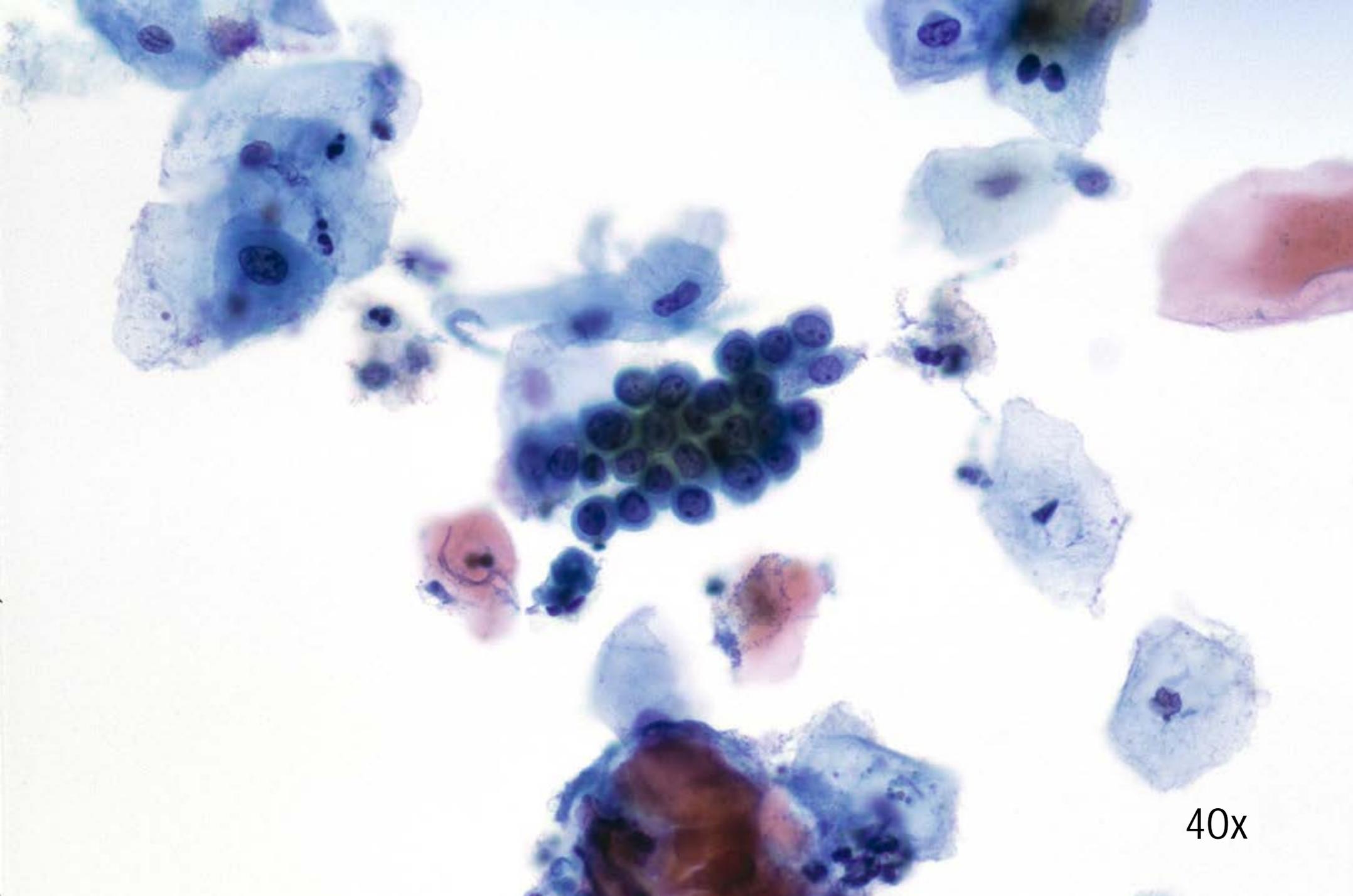
- **蜂窝状/片状排列**结构得以保持
- 细胞在溶液中呈团状
- **排列紧密**的细胞团更多
- 细胞团/单个细胞较小
- **胞核较“活跃”**



20x



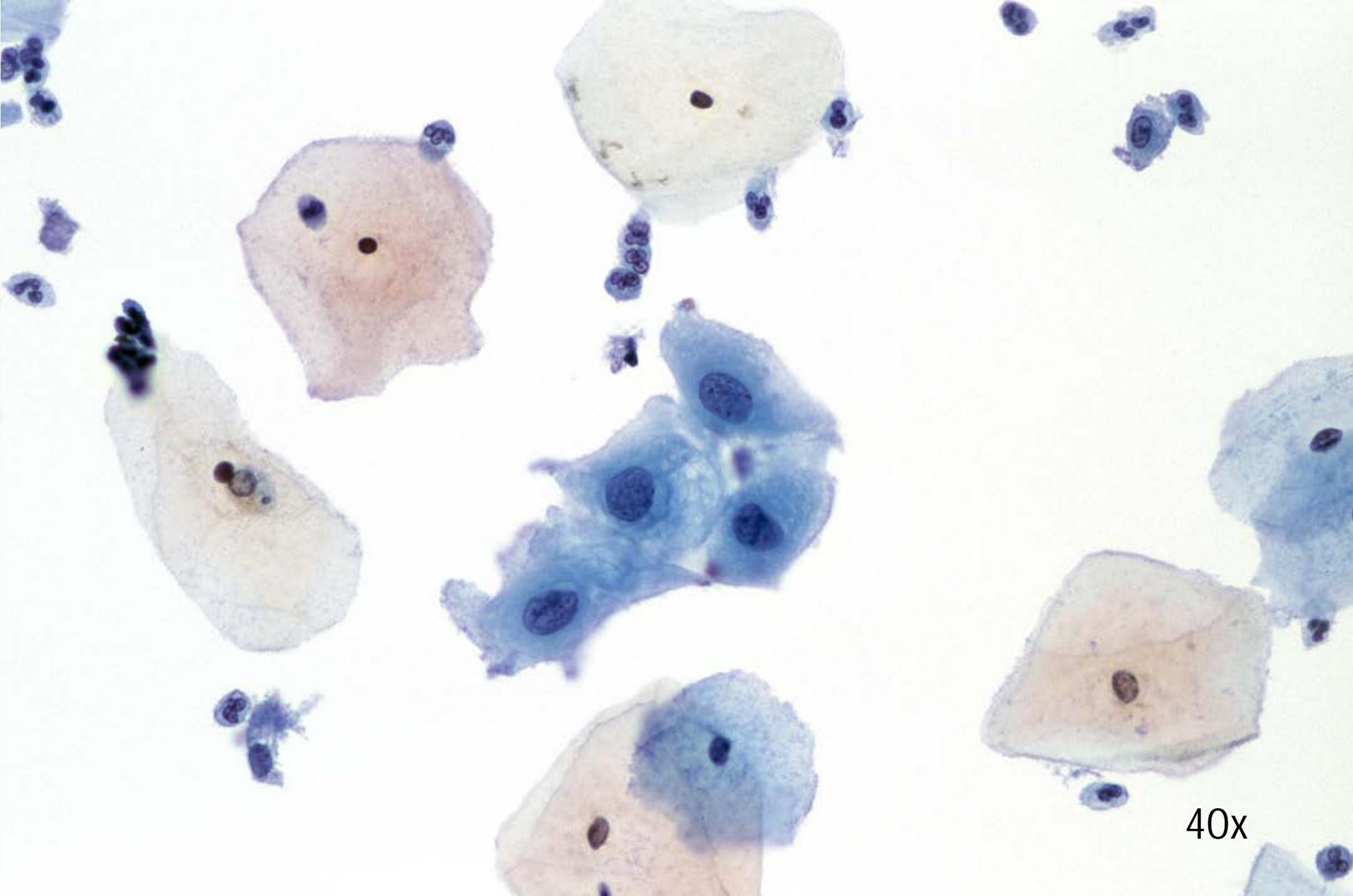
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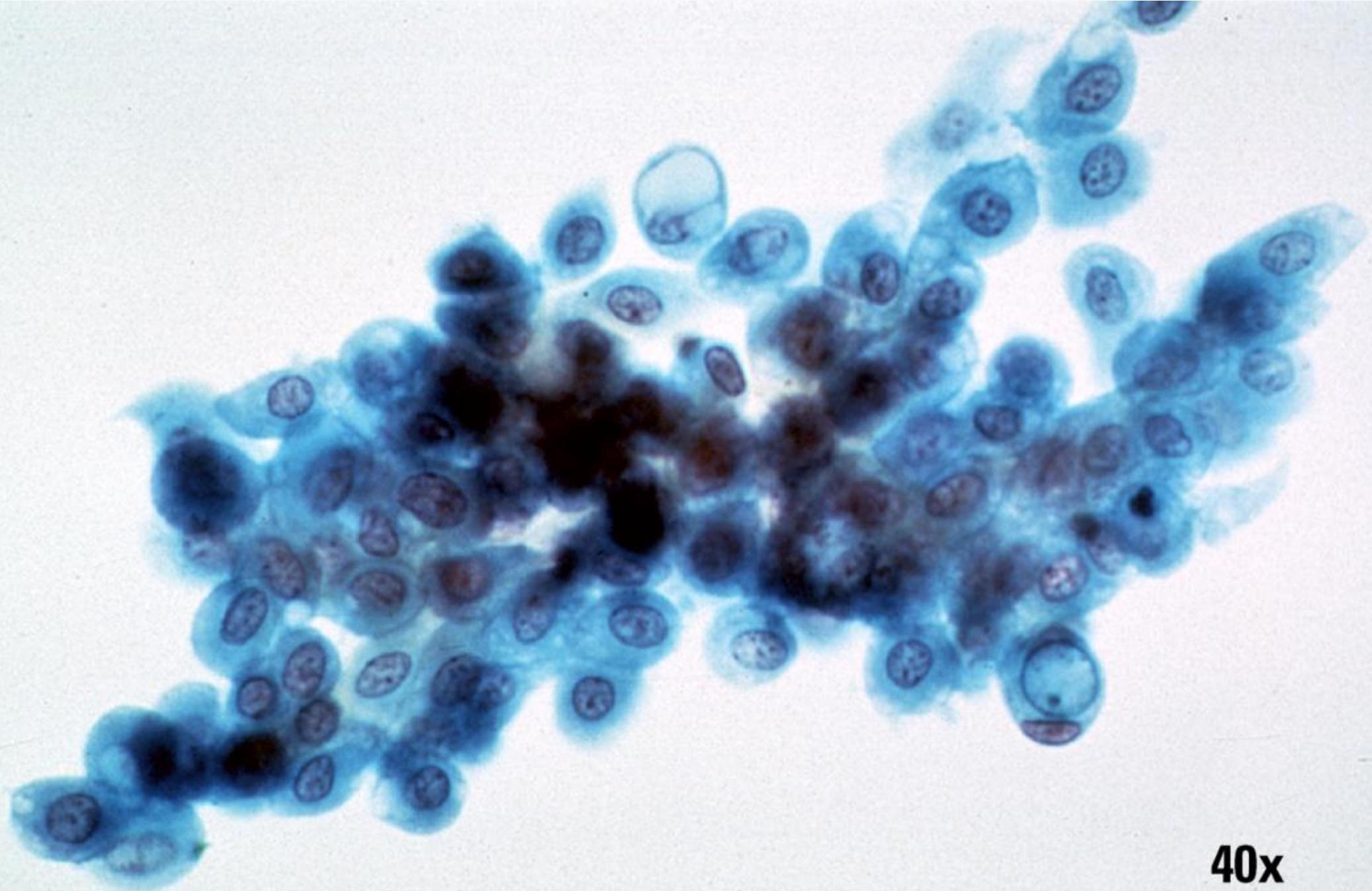
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鳞状化生

- 细胞呈片状/卵石形排列
- 胞浆密度高且均匀
- 细胞通常为单个细胞
- 细胞看起来较小并较圆



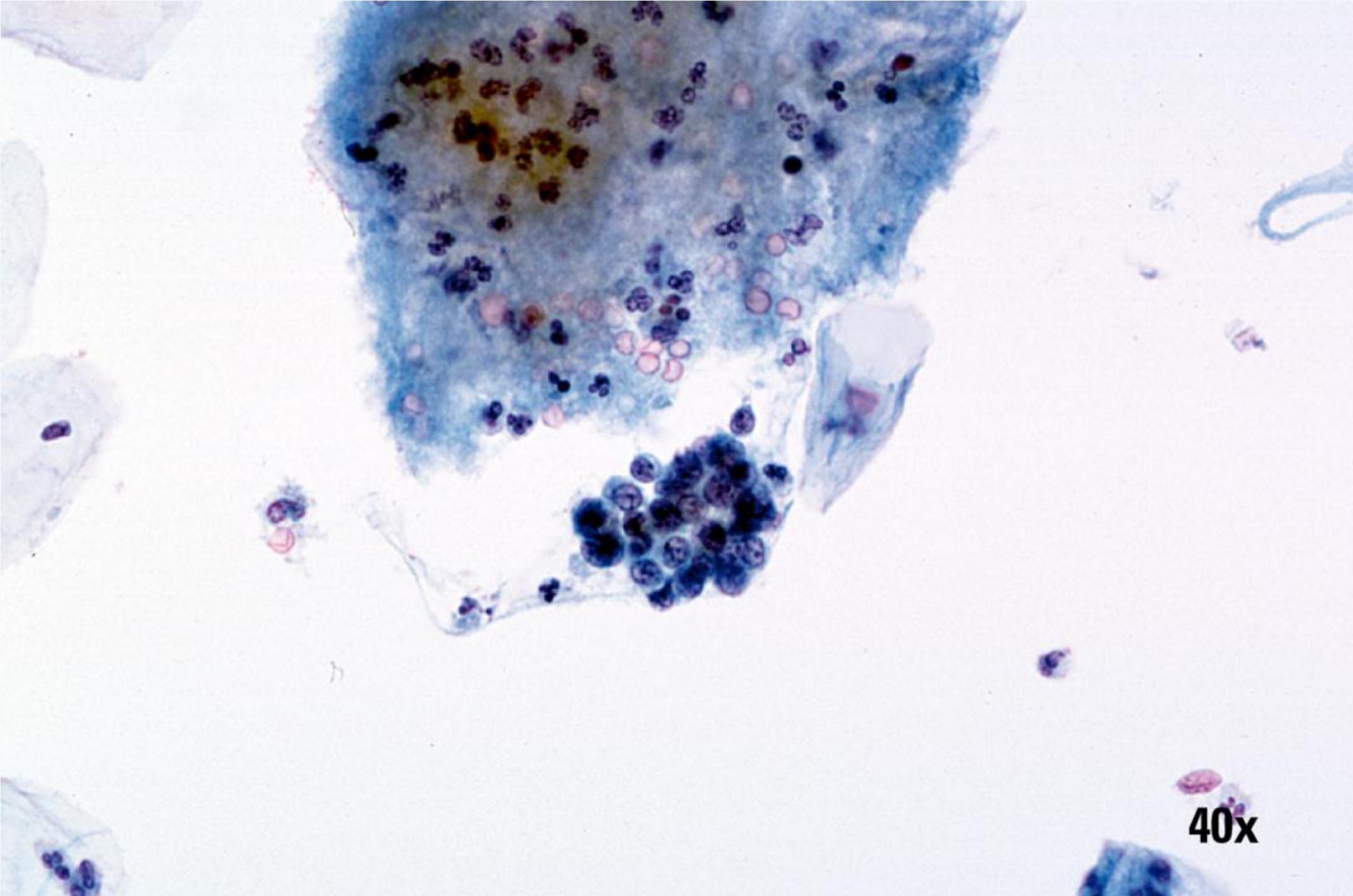
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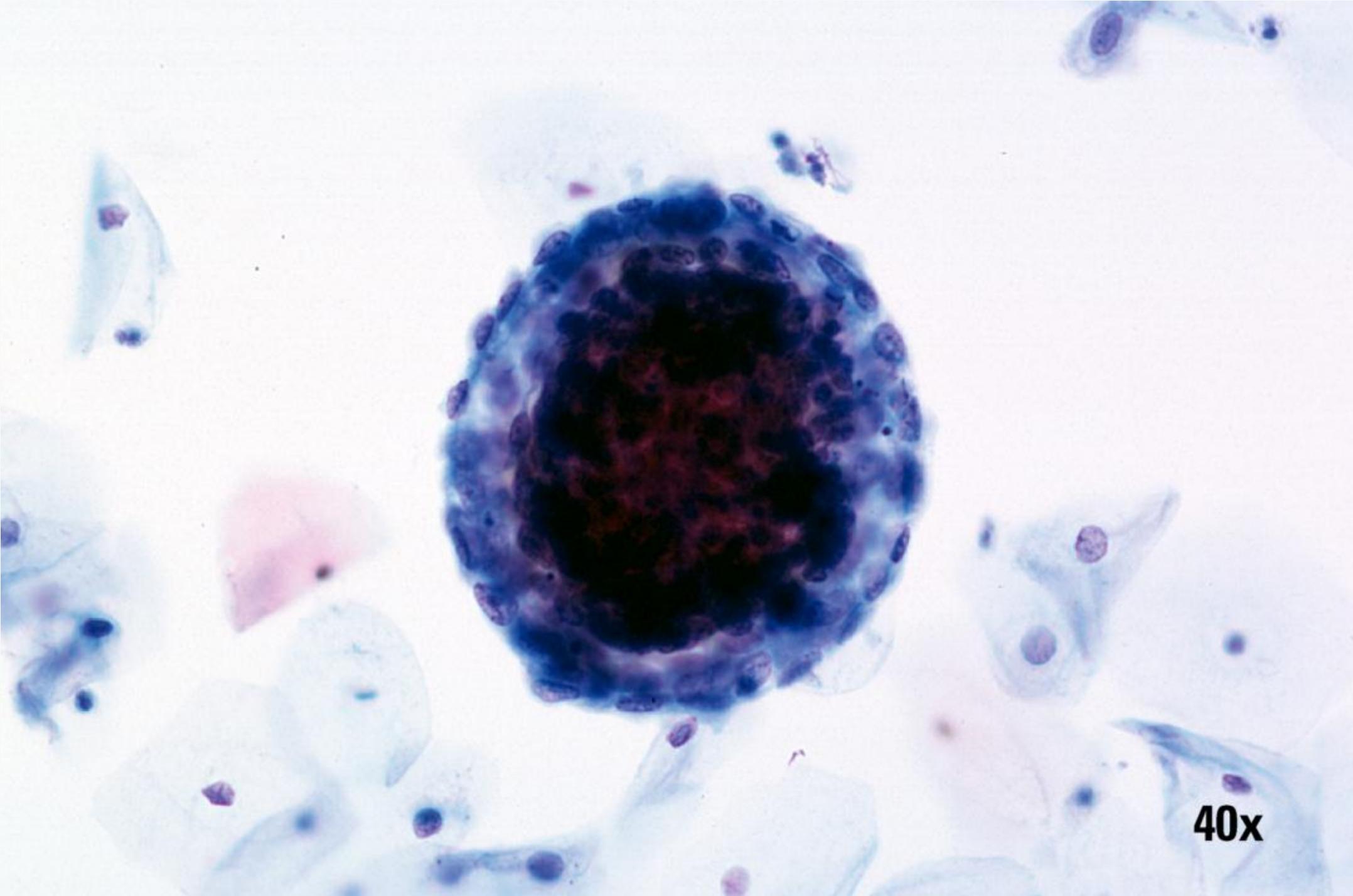
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子宫内膜细胞

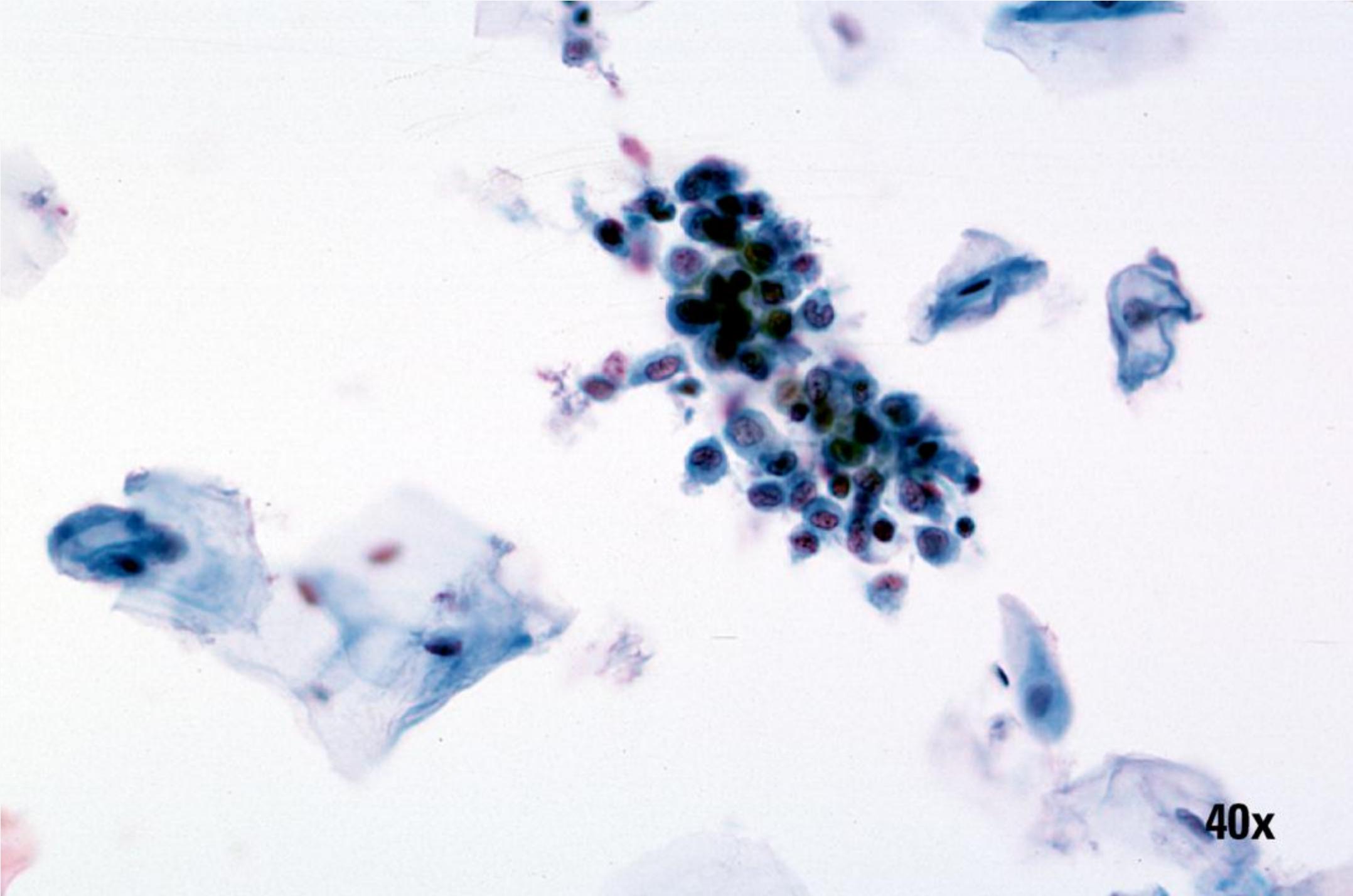
- 呈紧密的三维细胞团结构
- 细胞团松散，胞浆有空泡
- 单个细胞更为明显
- 胞核较“活跃”
- 经血溶解



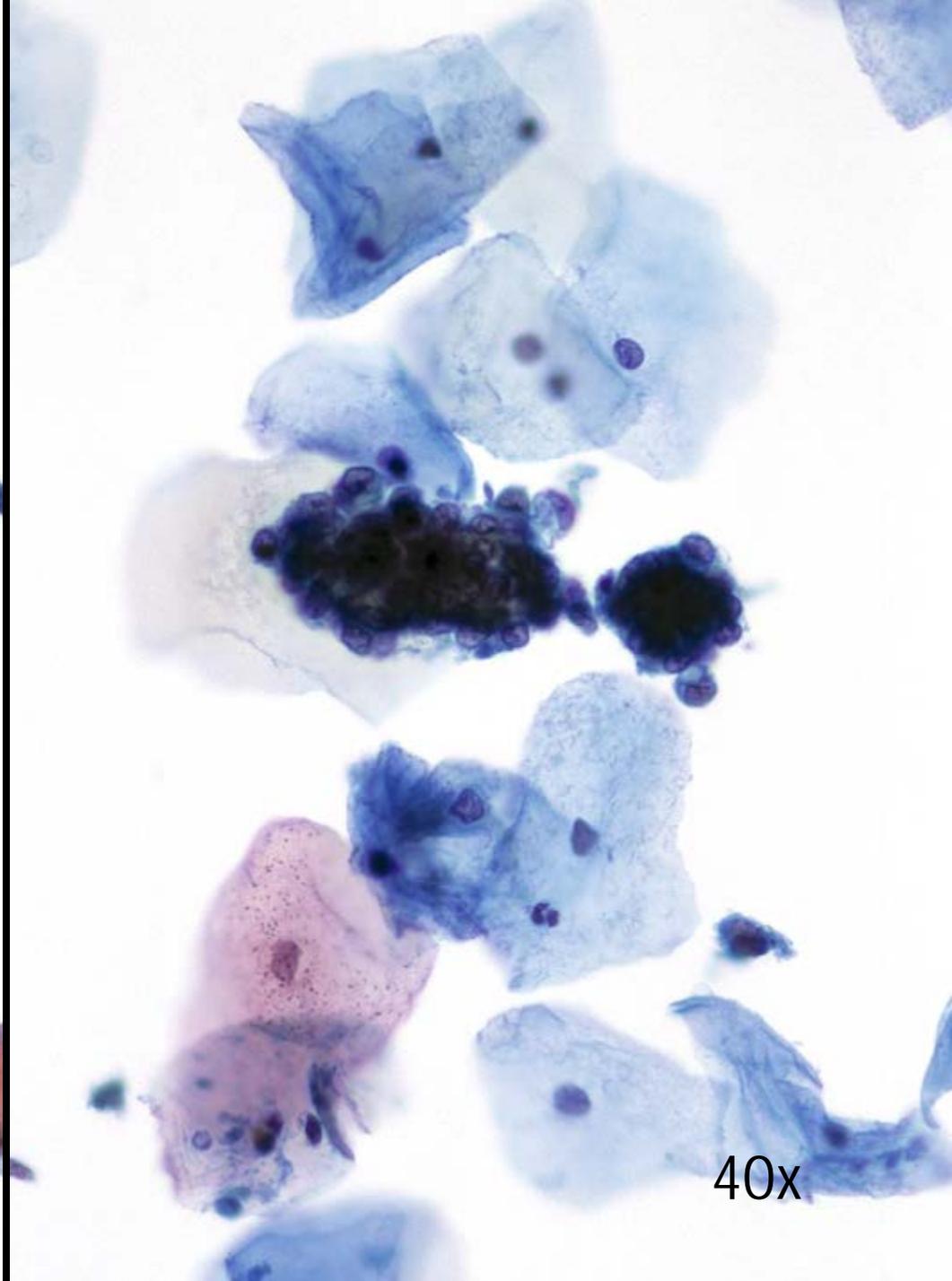
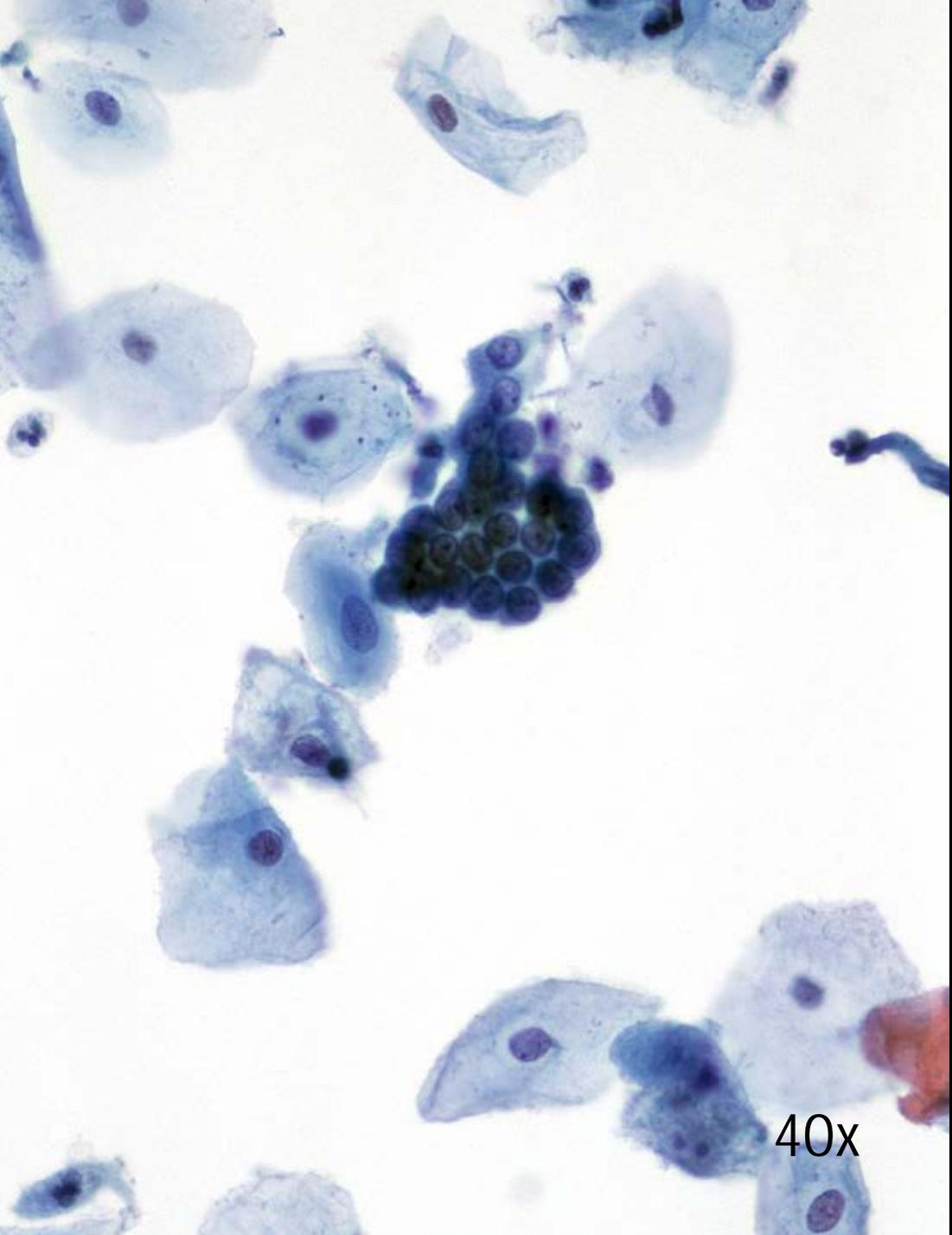
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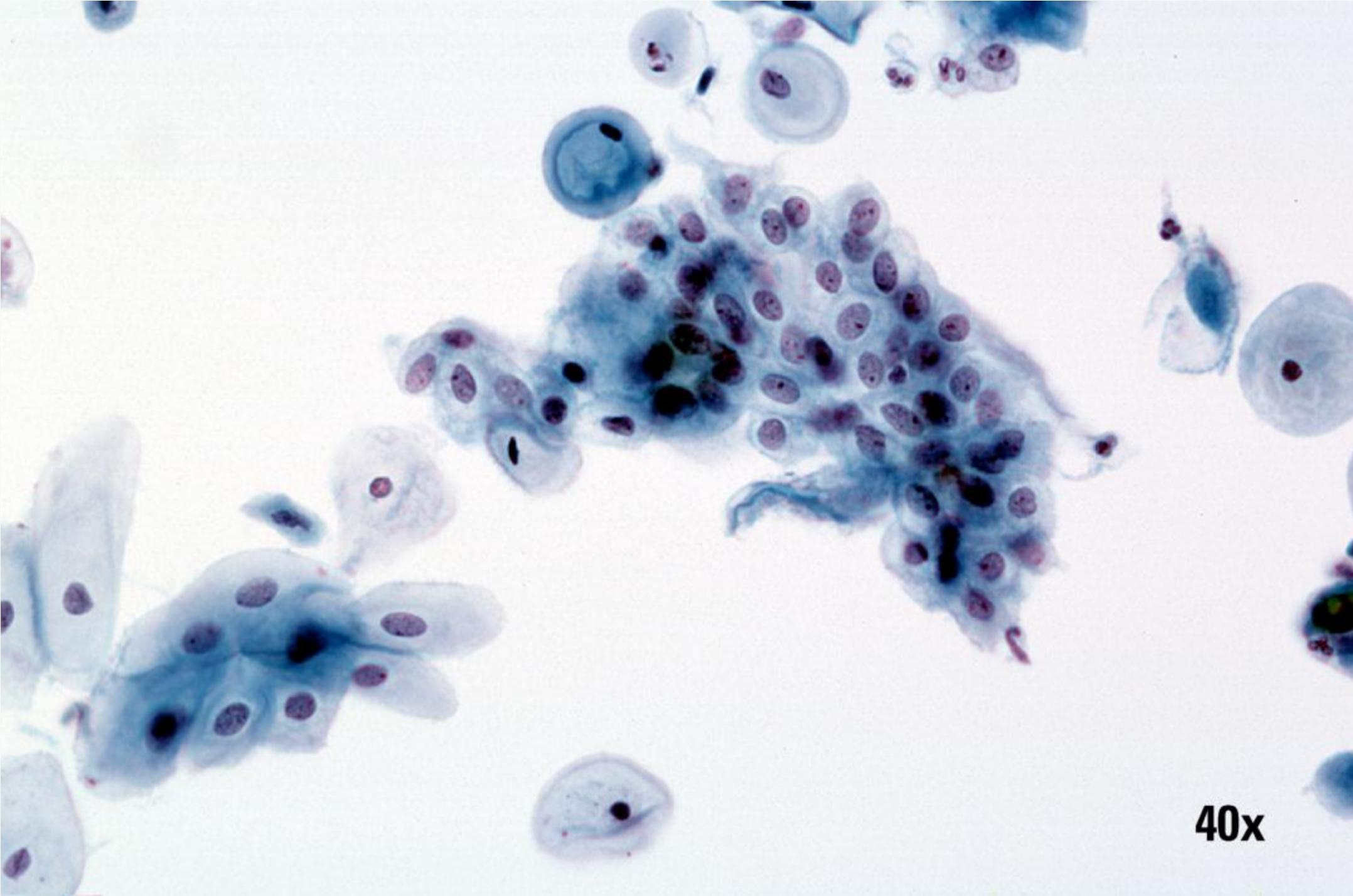


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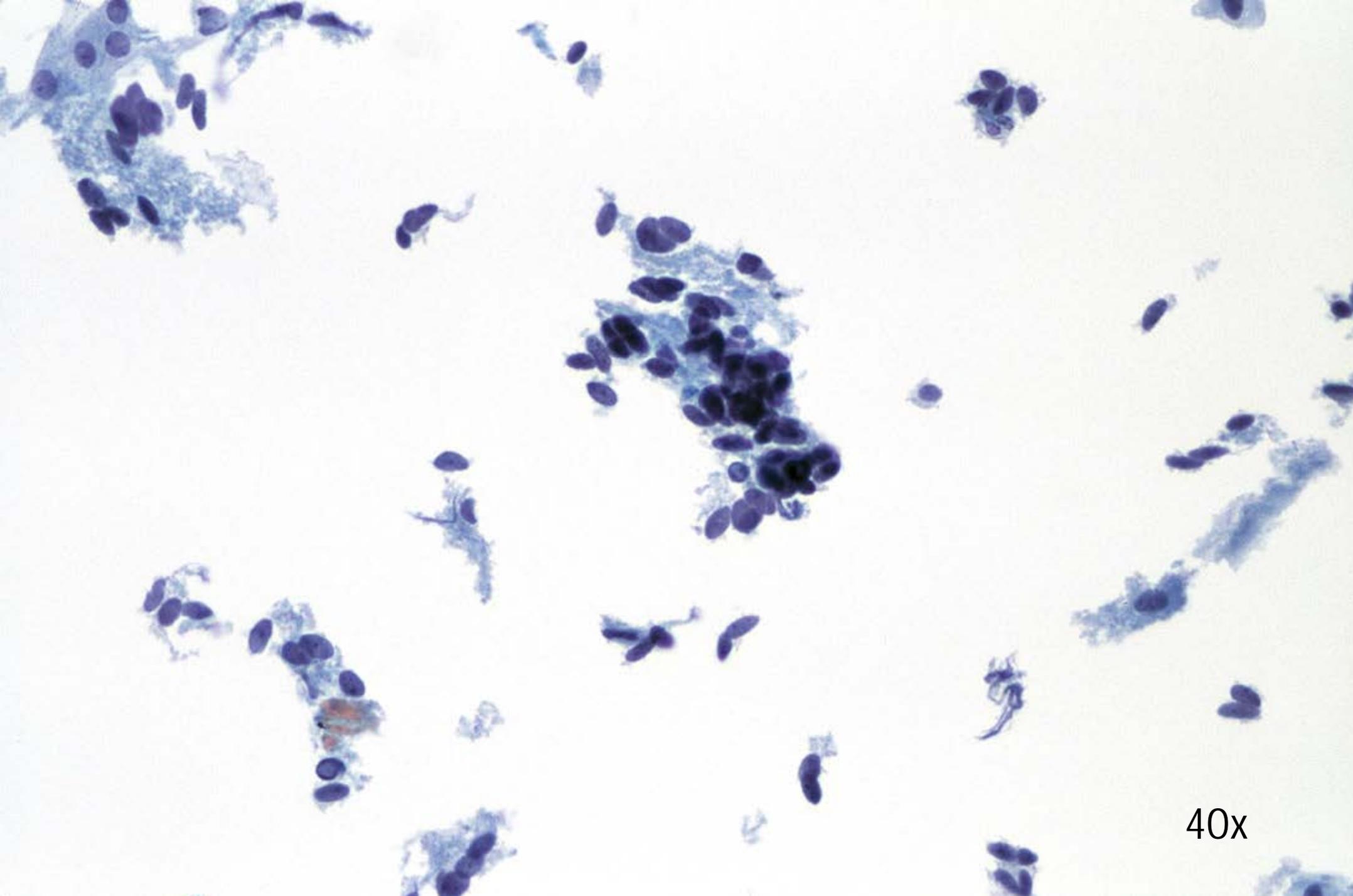


萎缩症

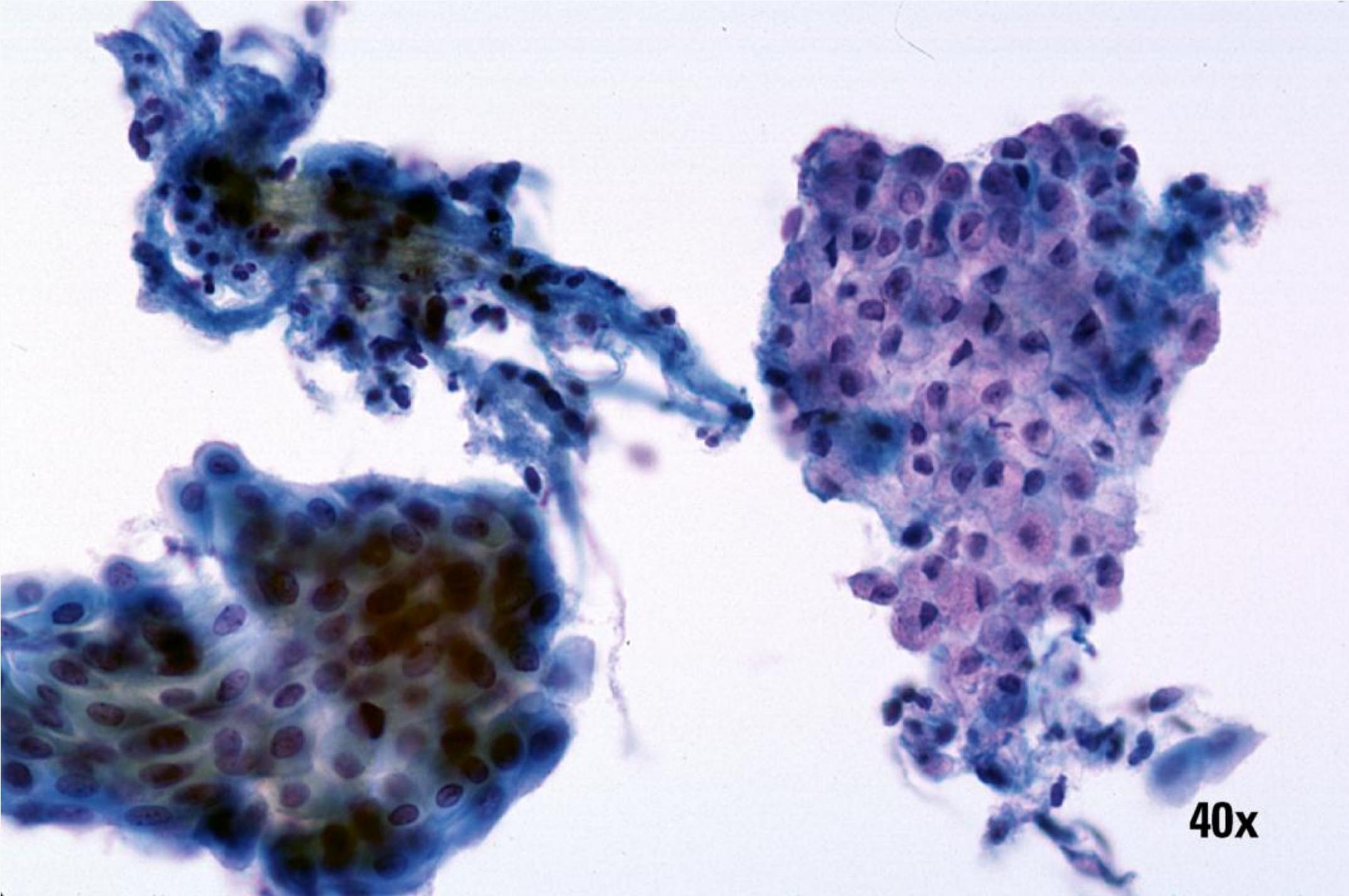
- 片状副基层细胞保存良好
- 颈管细胞易于分辨
- 裸核“减少”
- “萎缩性阴道炎”的细胞块较多



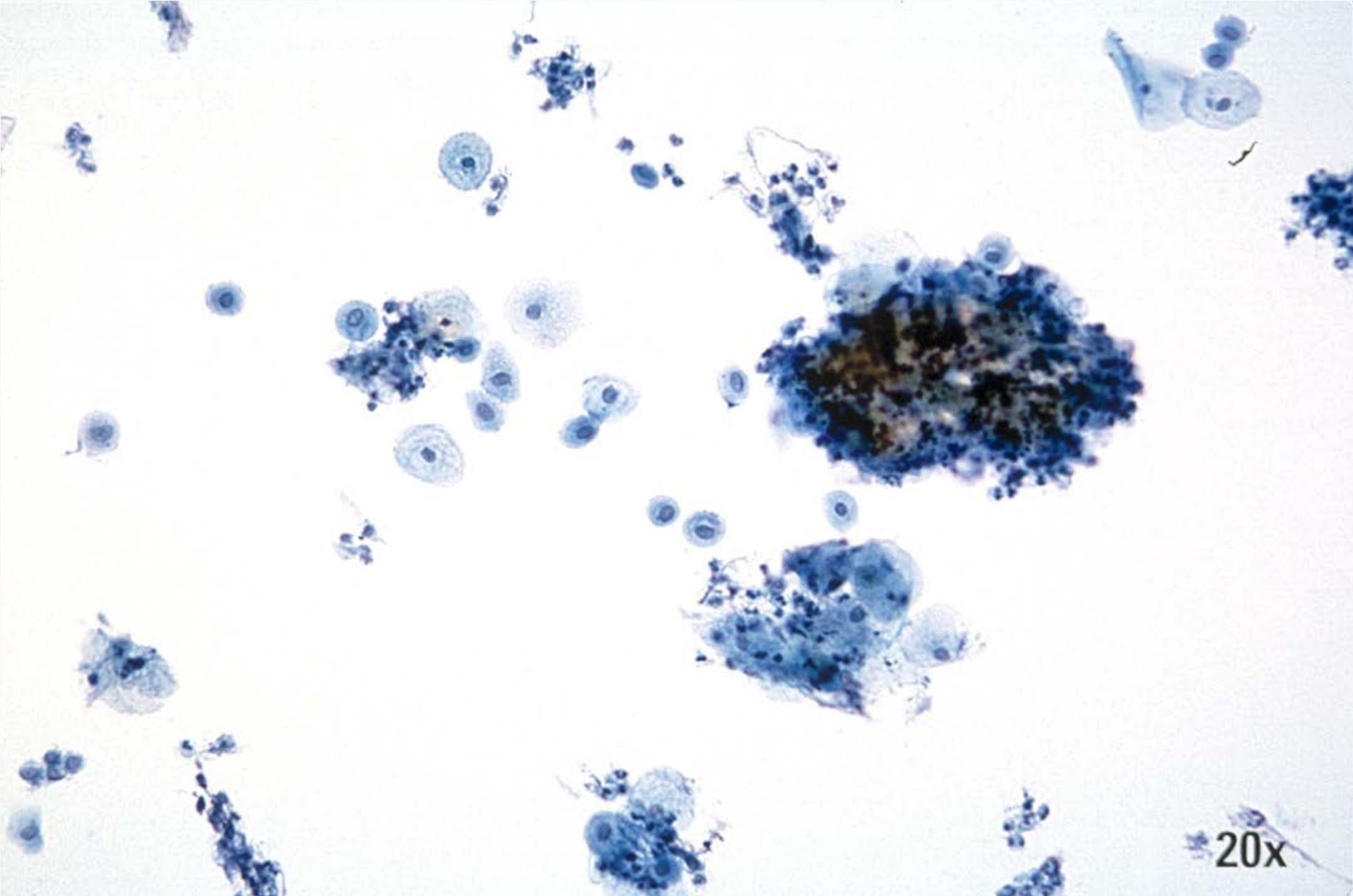
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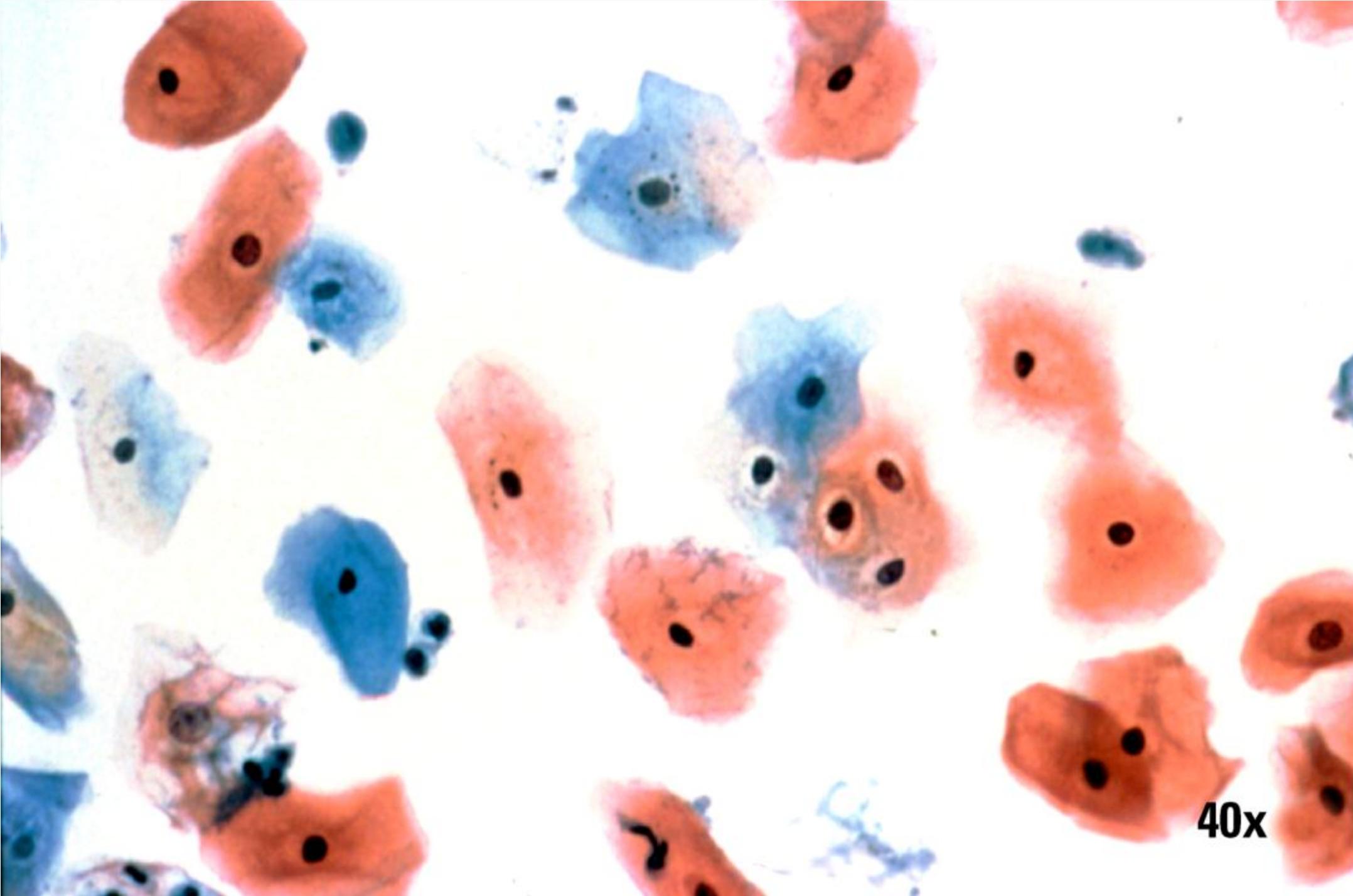
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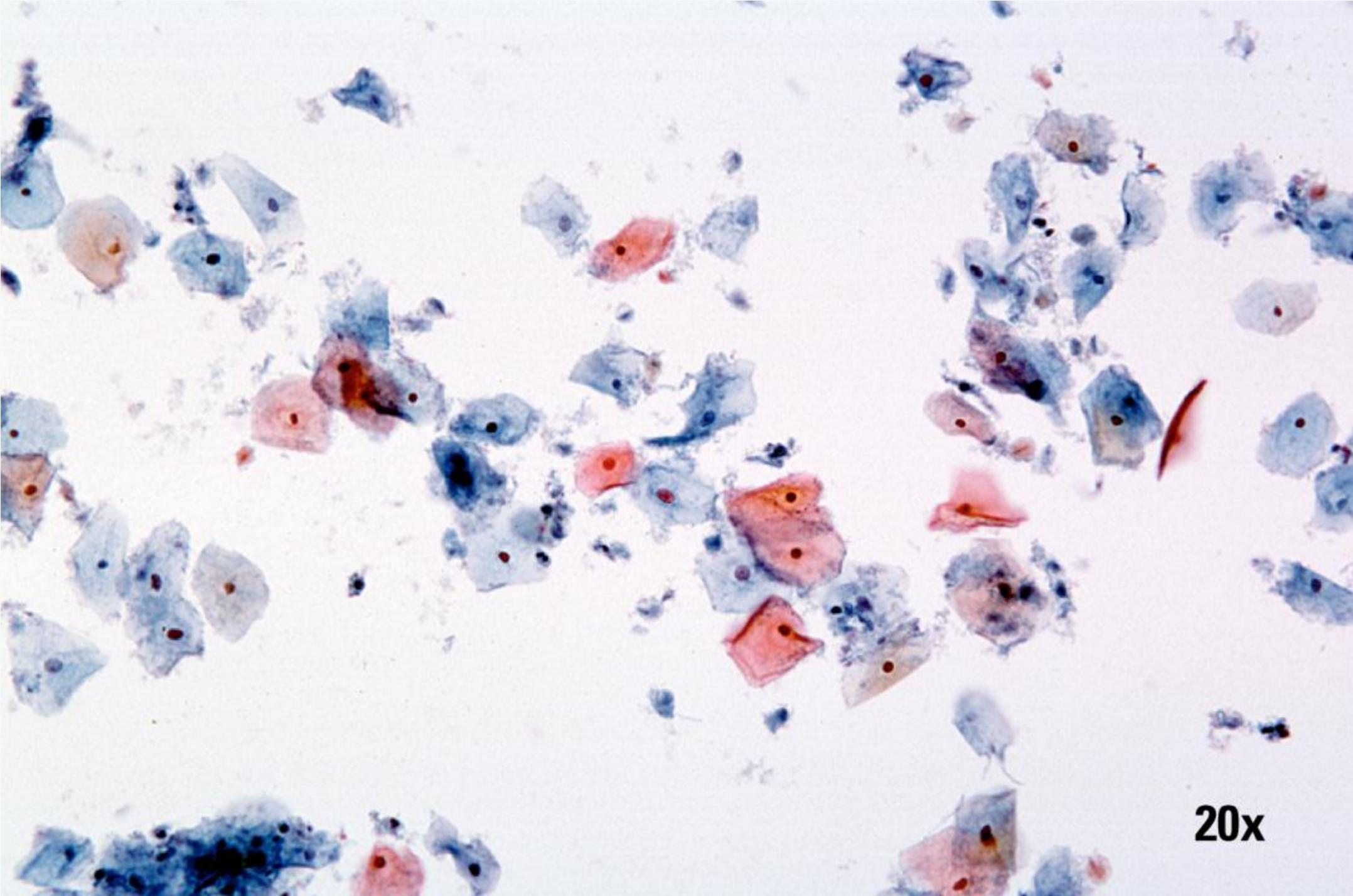
20x

滴虫性阴道炎

- 通常较小
- 内部结构清晰可见
- 能够保持典型的“滴虫”形态



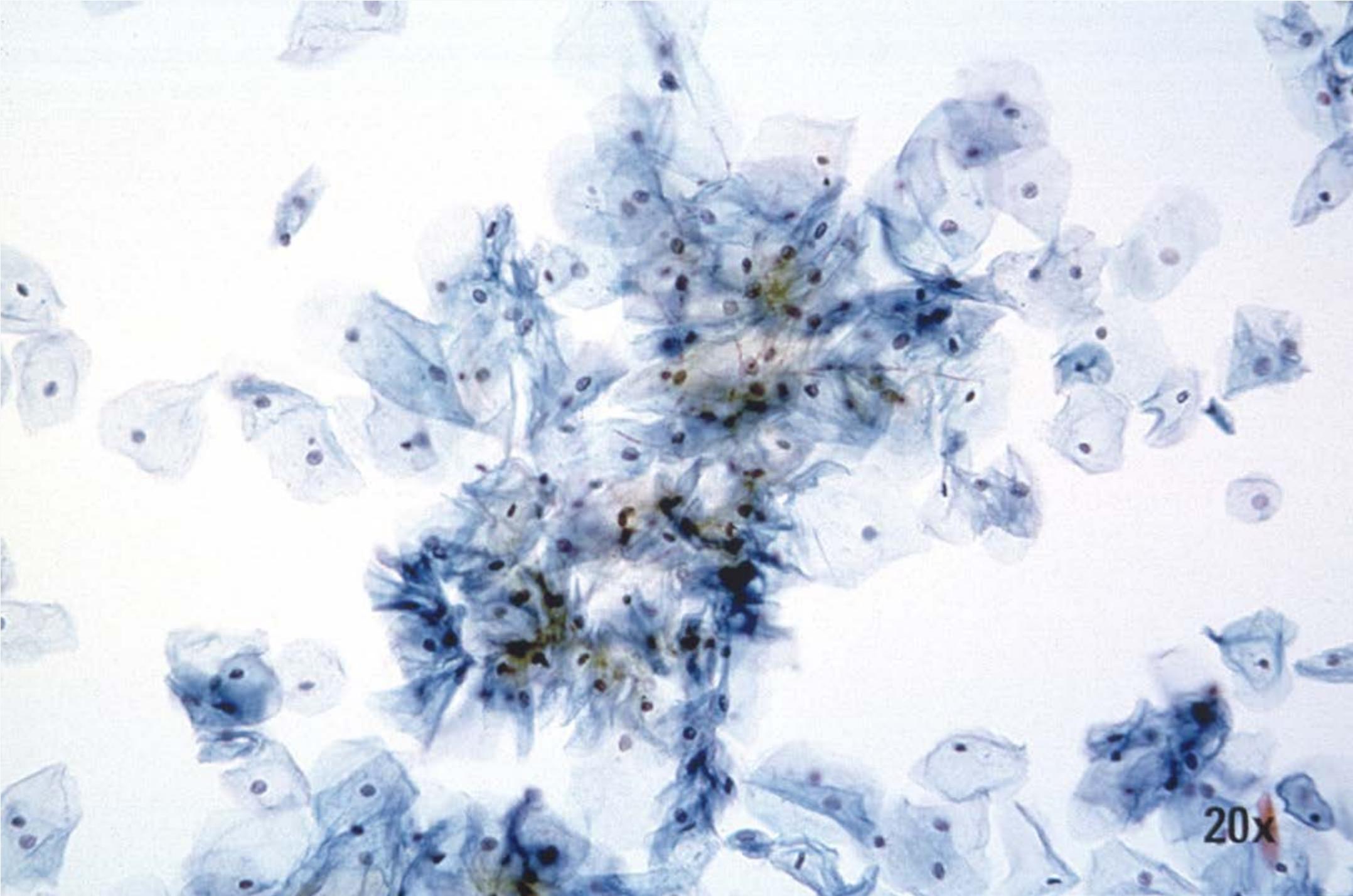
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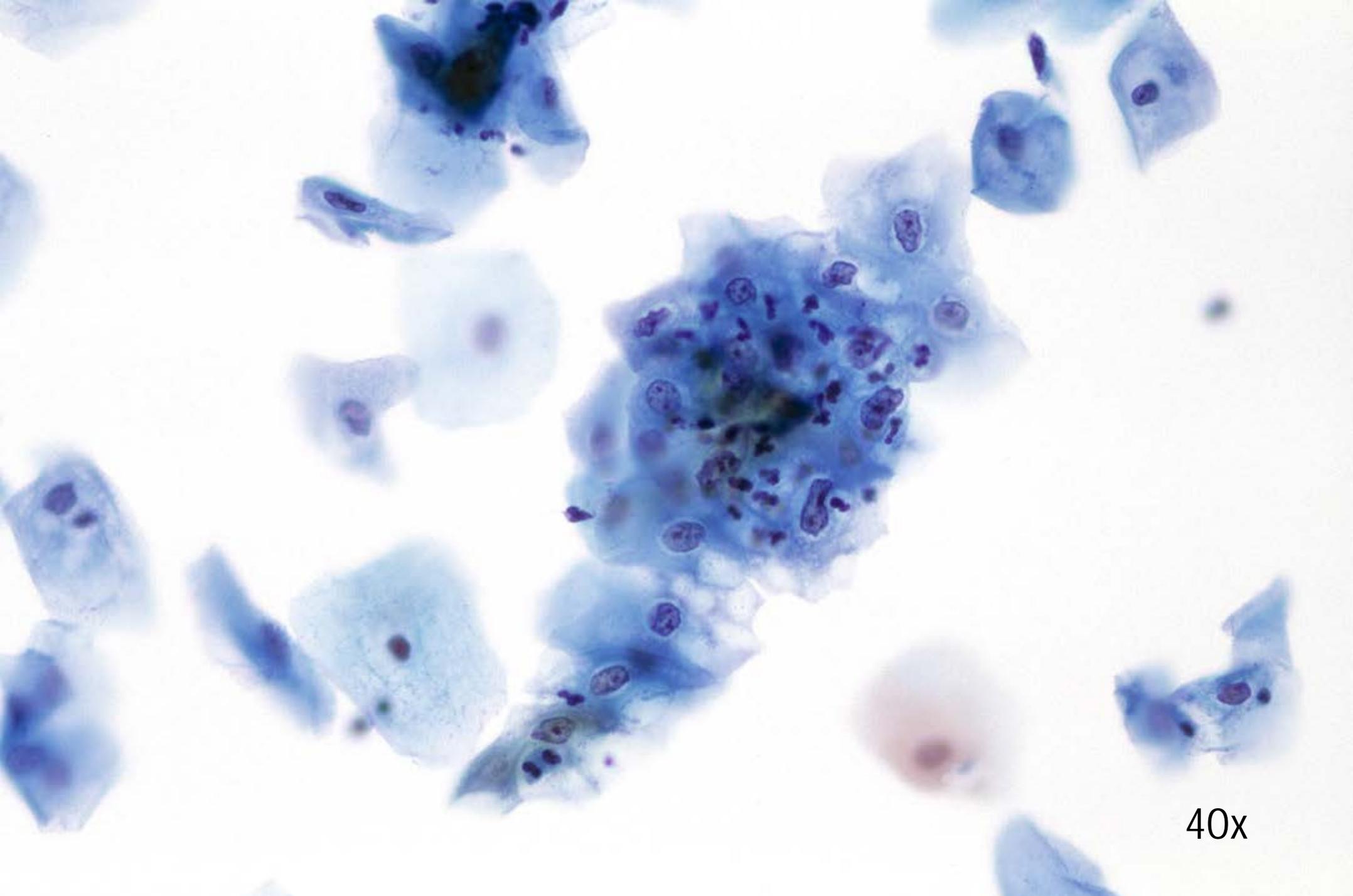
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梅菌

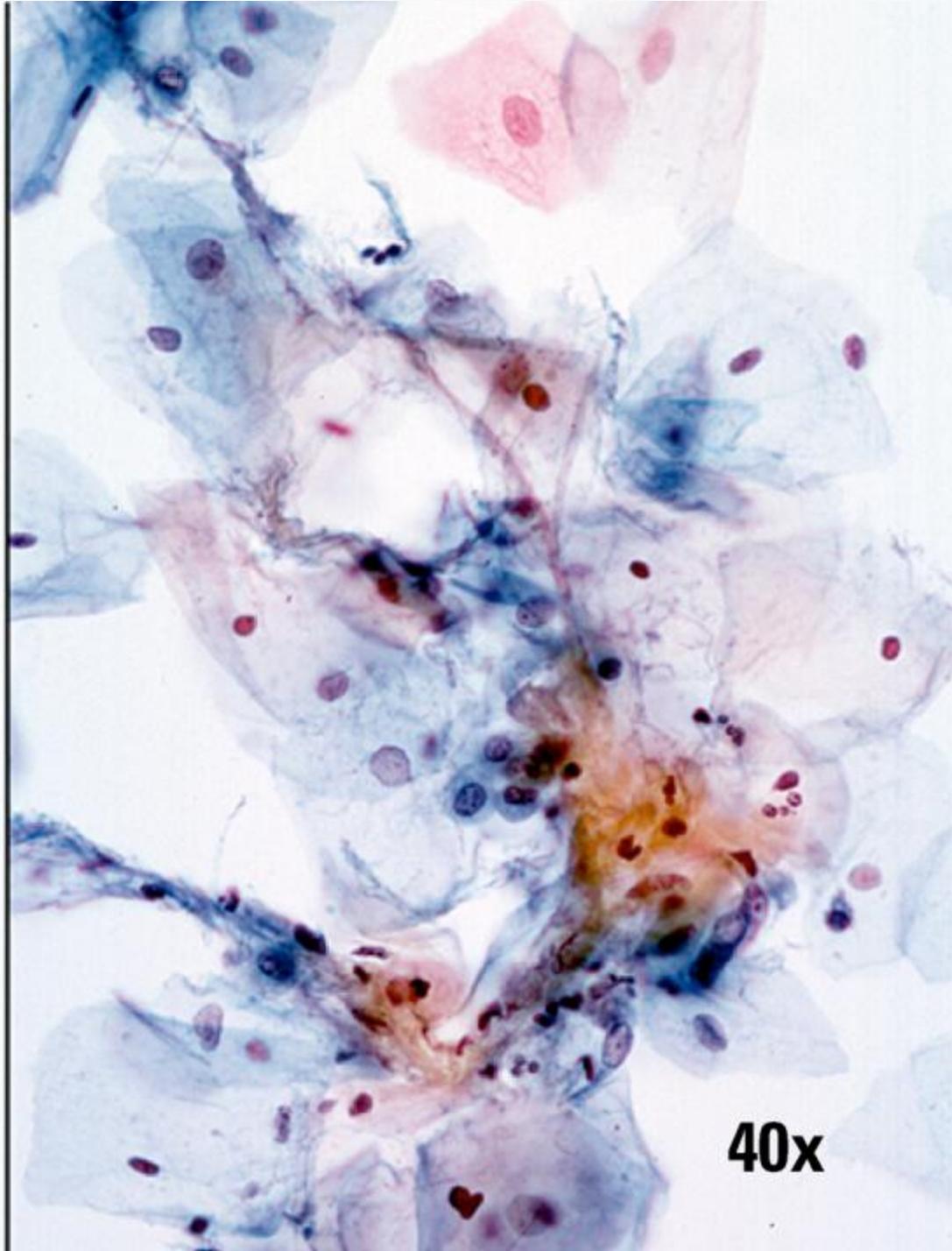
- **典型的**细胞块状形态
- 带有吞噬白细胞的反应性上皮细胞
- 可将粘液丝同假菌丝区别开来

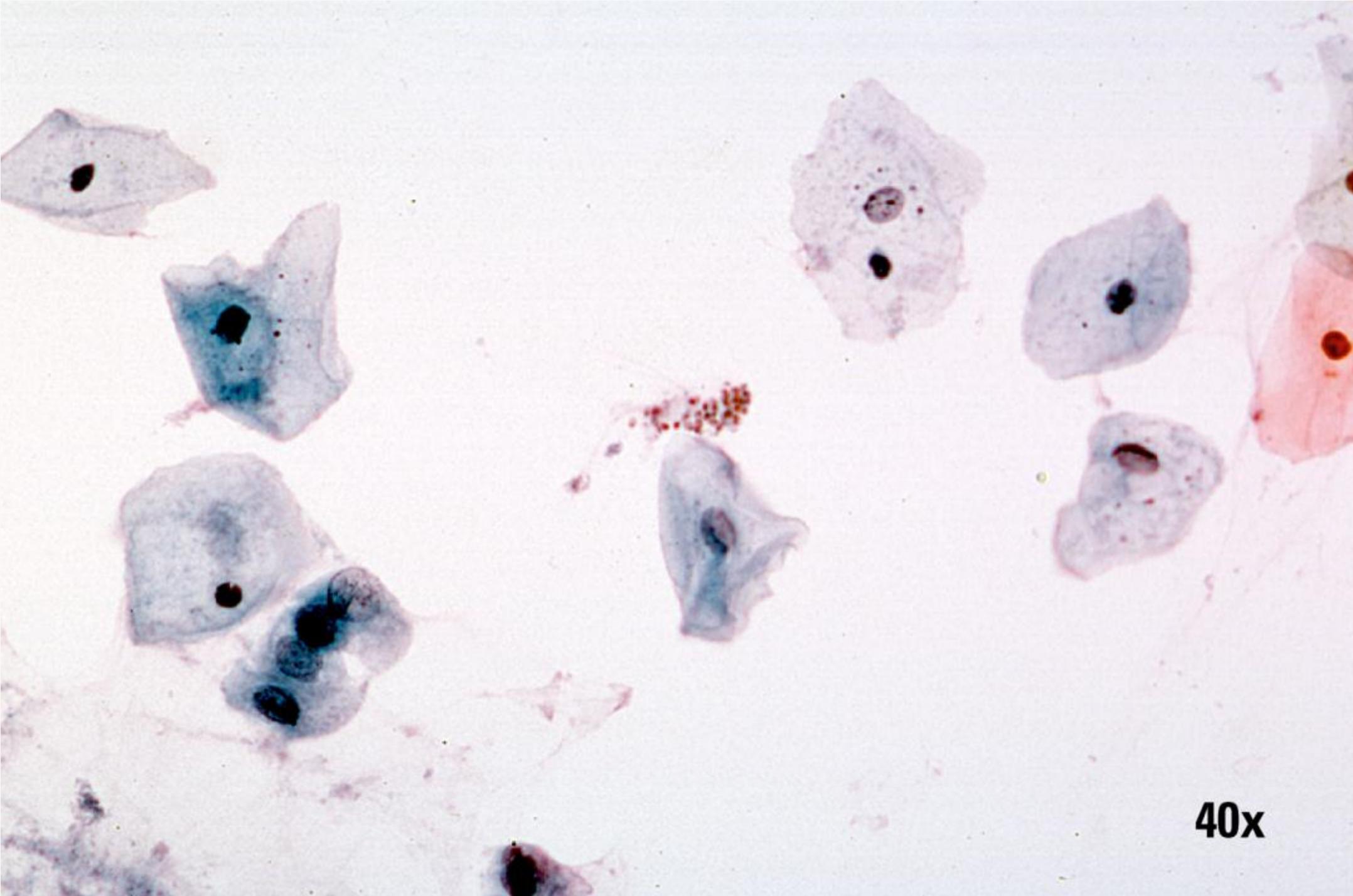


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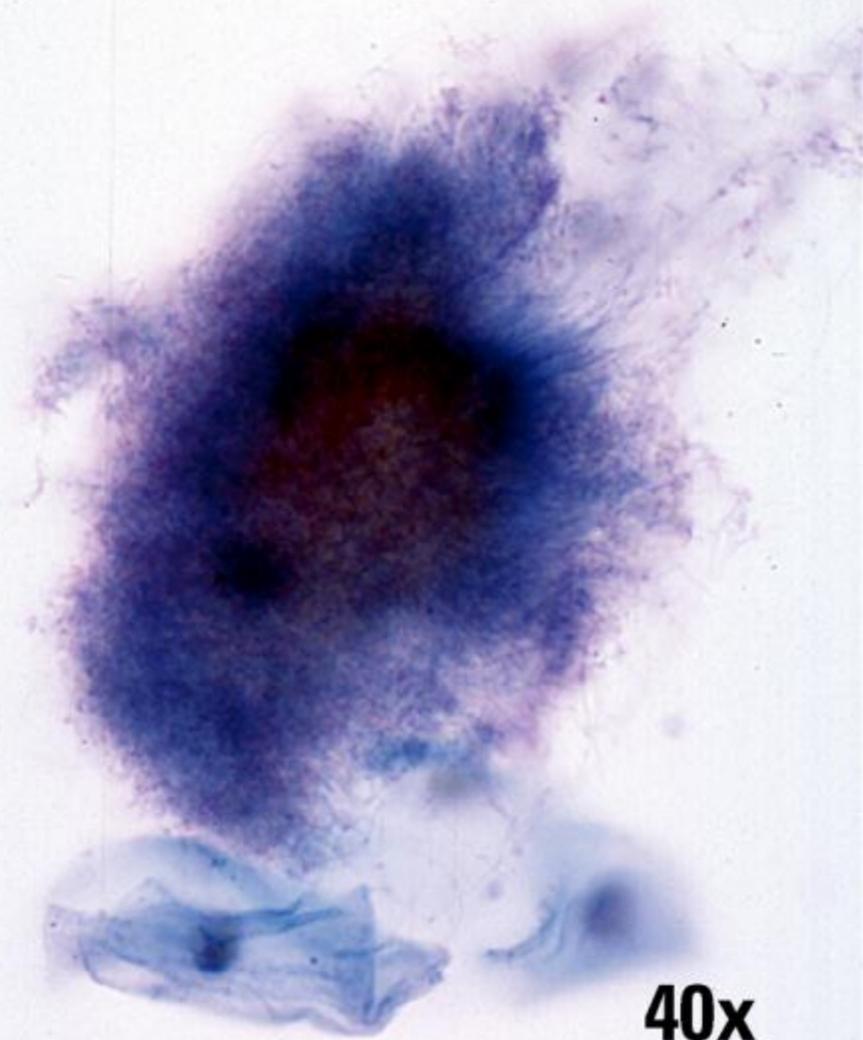




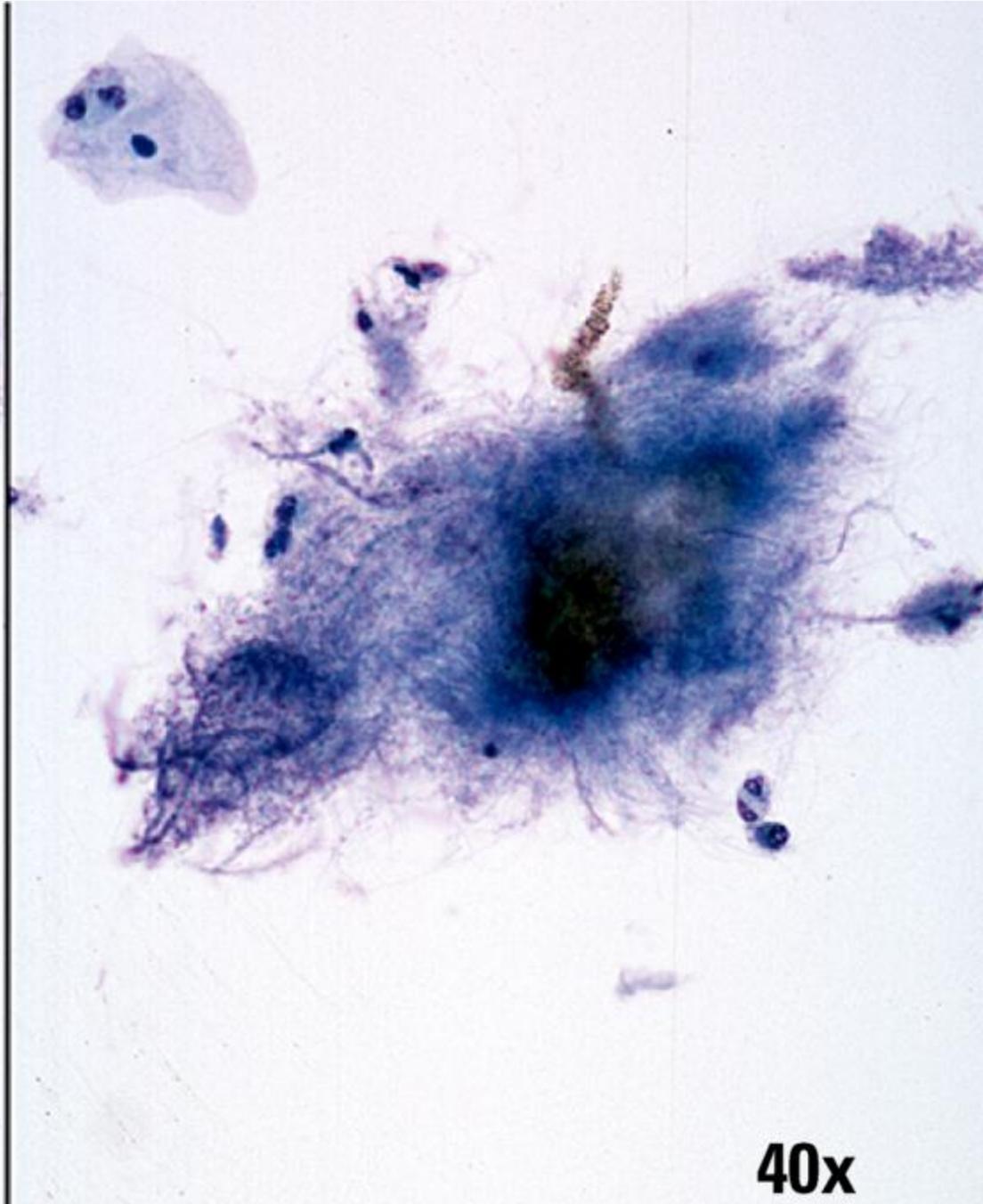
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放线菌属

- 细胞团由带有锐角的细丝样微生物所形成
- 带有蓝色染色的微生物



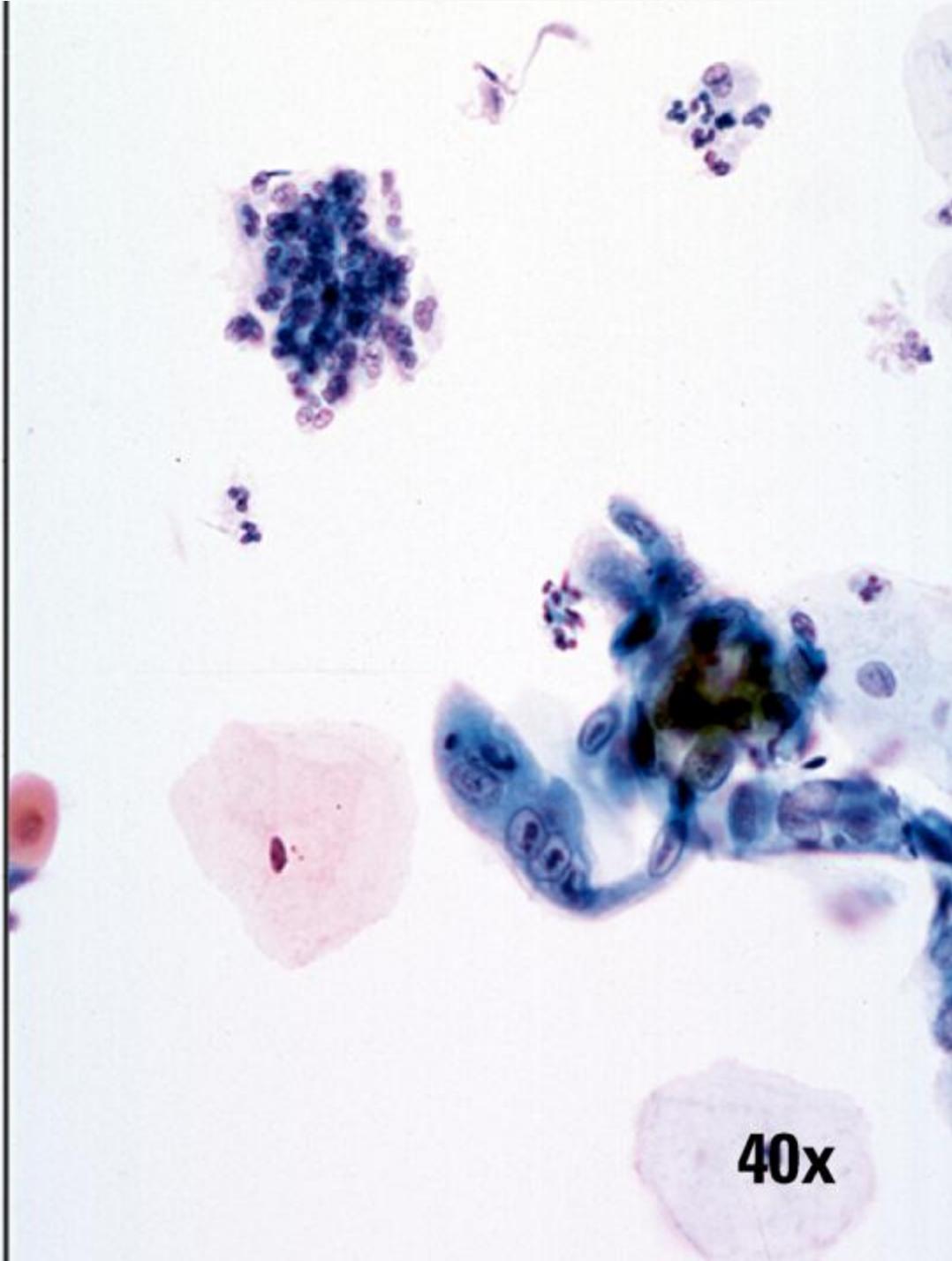
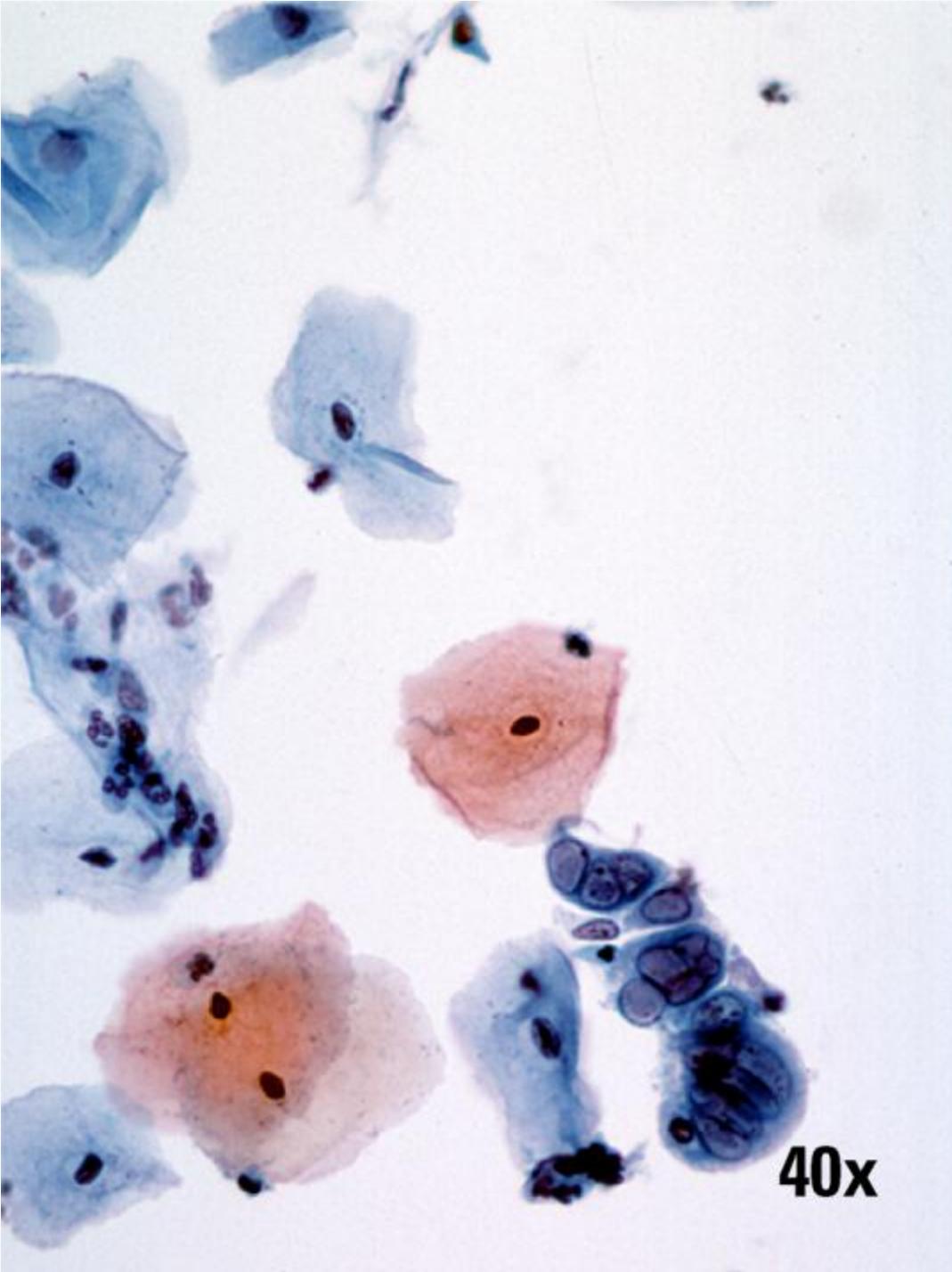
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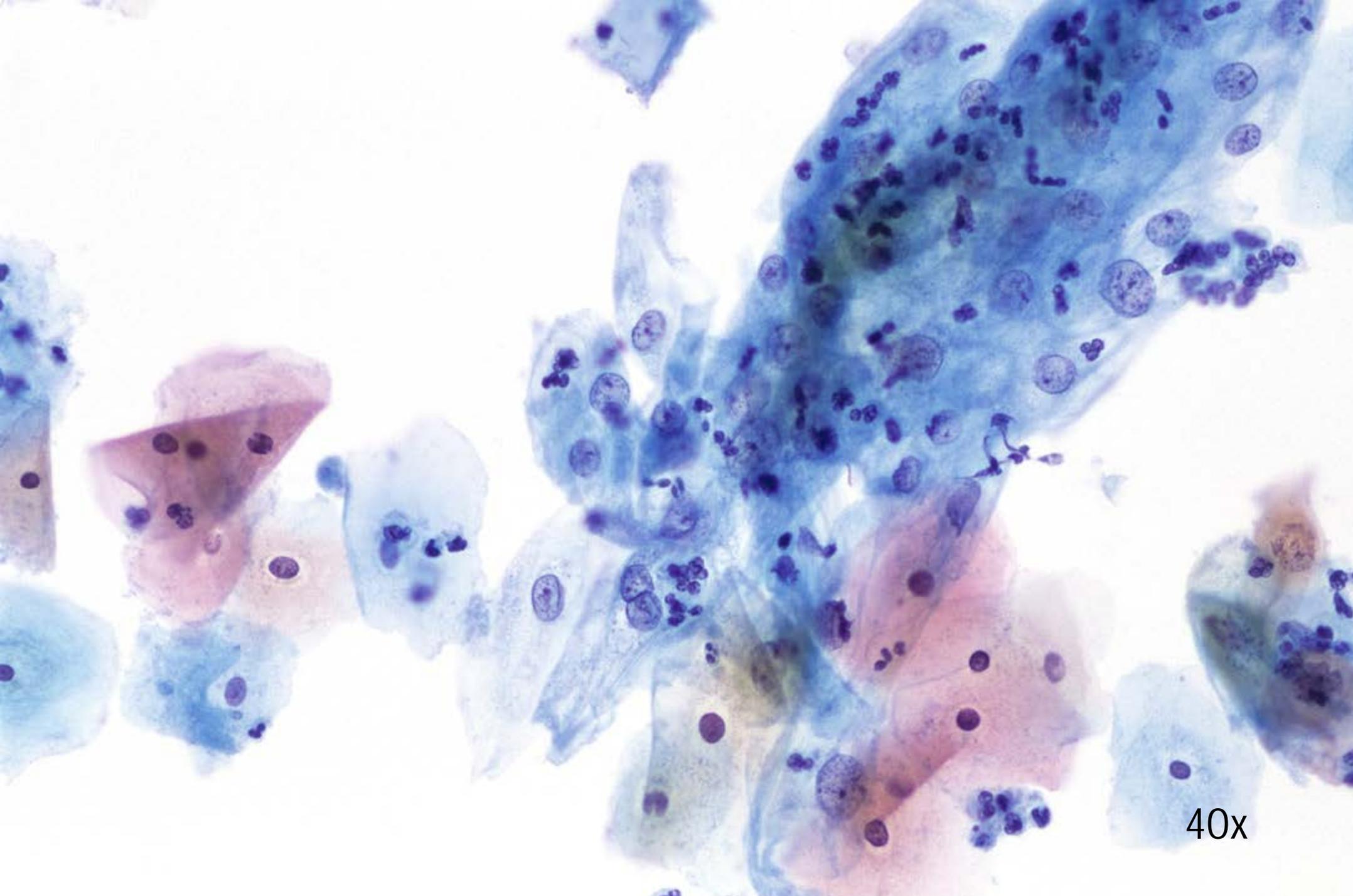
疱疹病毒

- 胞核呈“毛玻璃”状
- 多核，排列拥挤且不重叠
- 核内可见典型的嗜伊红包涵体



因 炎症而出现的反应性变化

- **胞核略有增大**
(是中层细胞核的两倍)
- **出现核周晕**
- **胞浆出现空泡并具有双染性**
- **WBC 呈块状**
- **细胞细节得到提高**

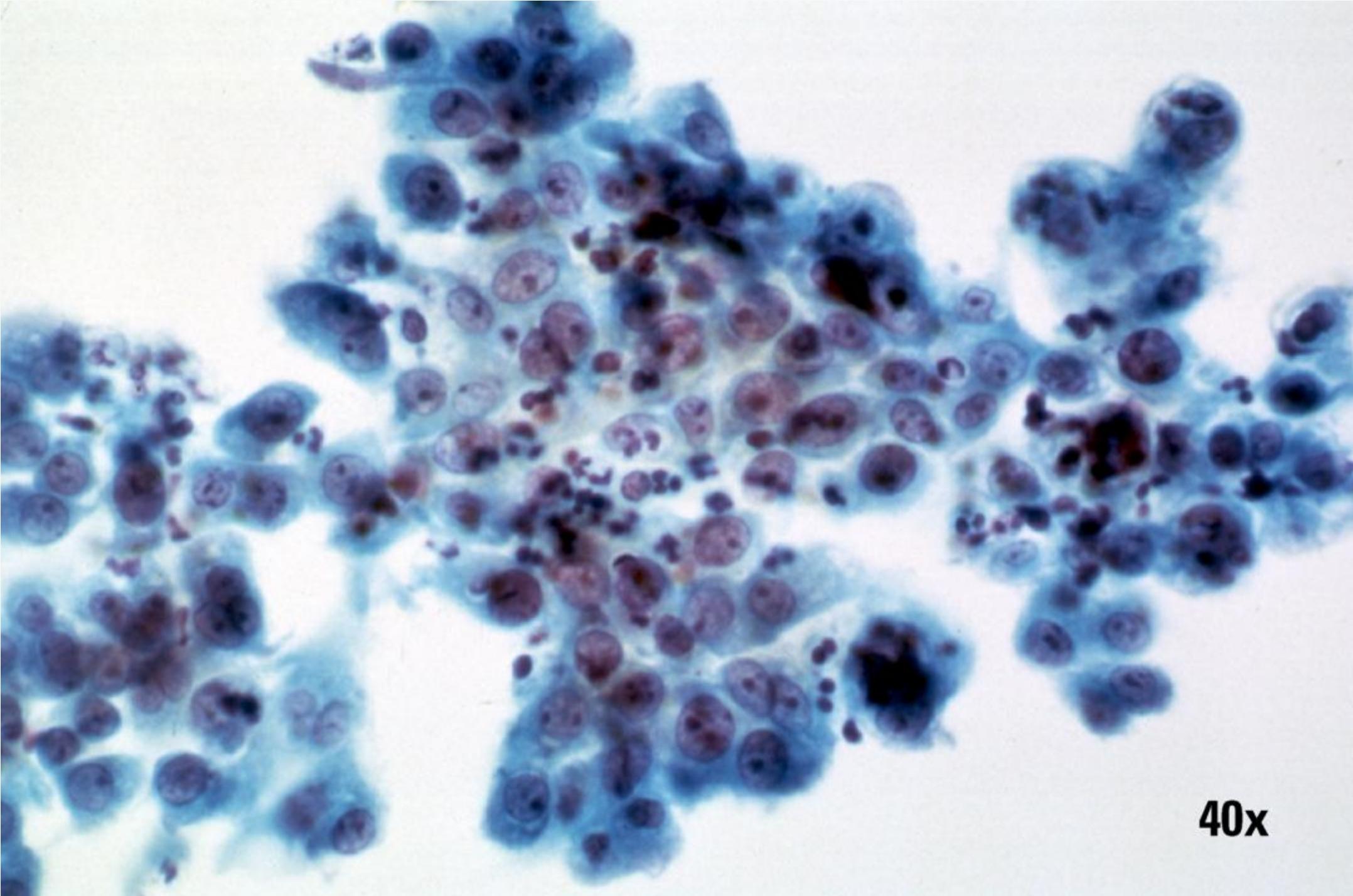


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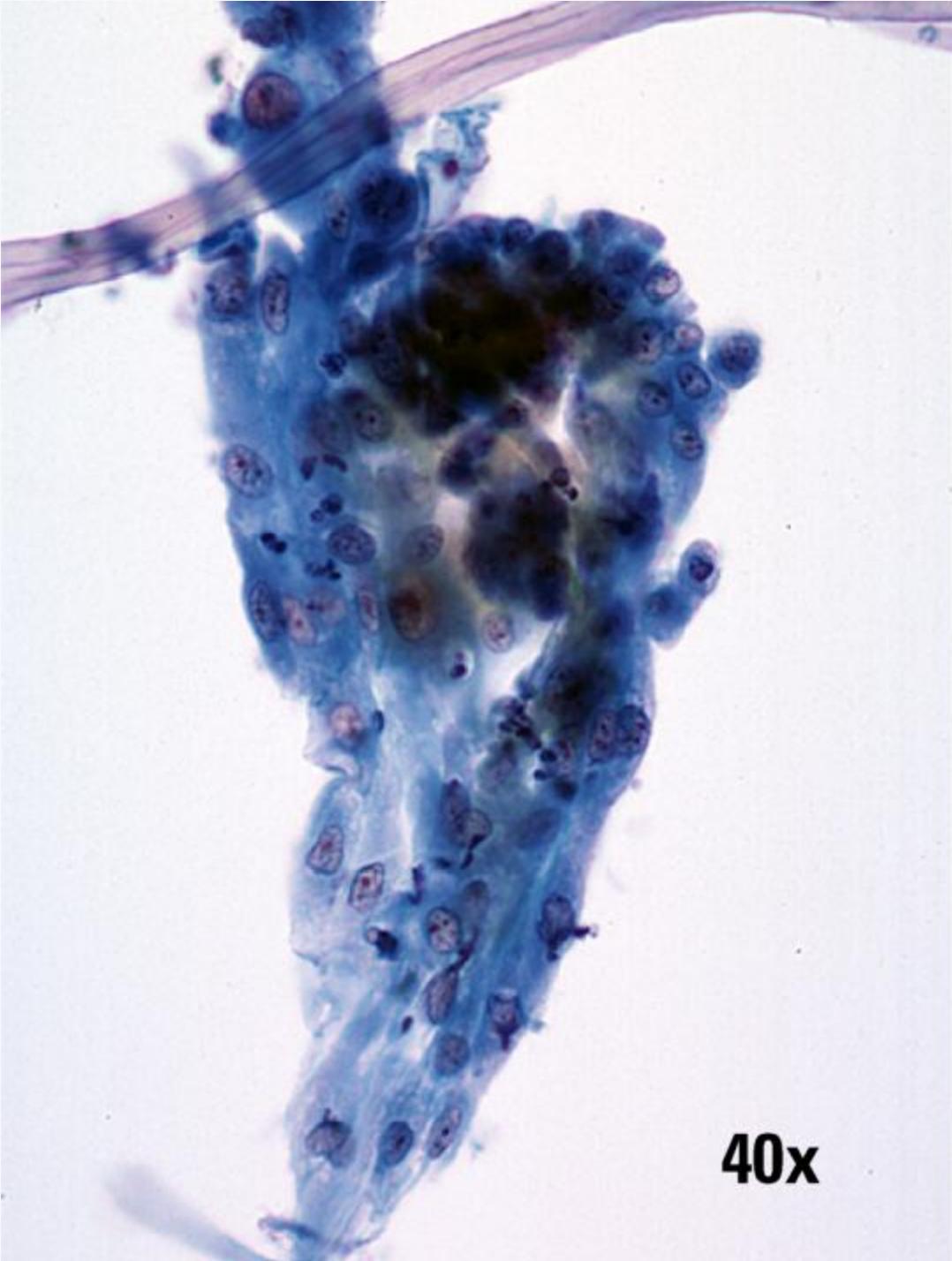
反应性变化

修复

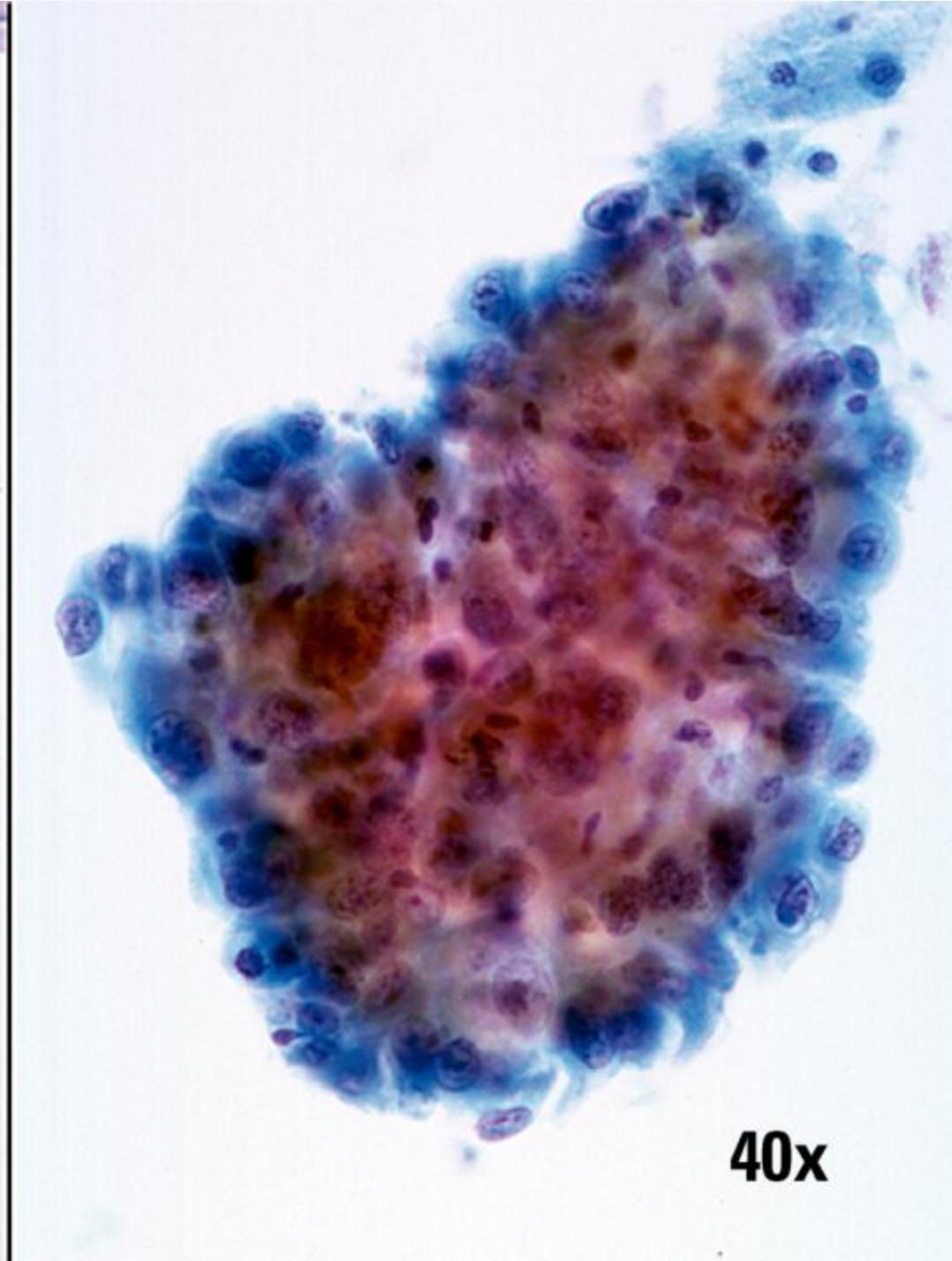
- 带有吞噬白细胞的片状细胞
- 片状细胞更接近圆形
- 焦距较深
- 片状细胞“拉出”程度较小



40x



40x



40x

细胞形态结束

