

## Цитологическая диагностика первичного рака печени

### Тонко-игольная аспирационная биопсия

#### Микробиопсия

- Мазки-отпечатки с цитологическим исследованием
- Гистологическое исследование

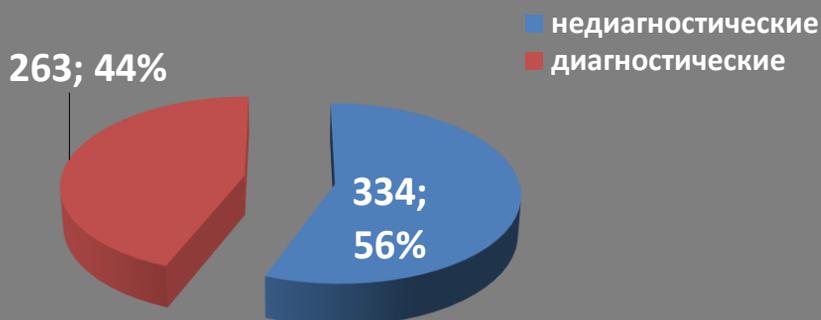
#### Аспират

- Стандартные цитологические препараты
- Жидкостная цитология
- Клеточные блоки

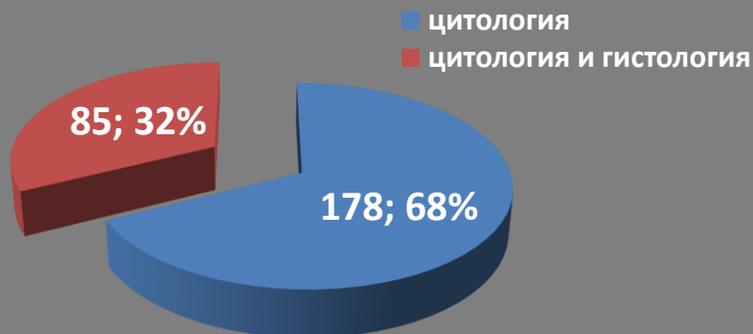
## Задачи цитопатолога

- Дифференциальная диагностика реактивных изменений и доброкачественных гепатоцеллюлярных поражений
- Дифференциальная диагностика доброкачественных гепатоцеллюлярных поражений и высокодифференцированной гепатоцеллюлярной карциномы
- Гистогенез
- Органоспецифичность

## 597 ТИАБ

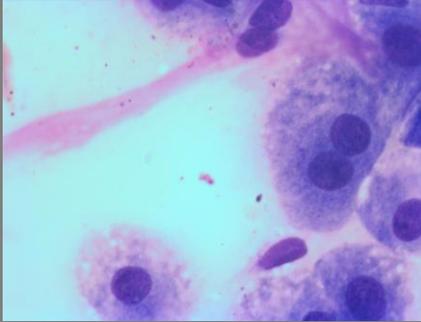


## 263 диагностических ТИАБ

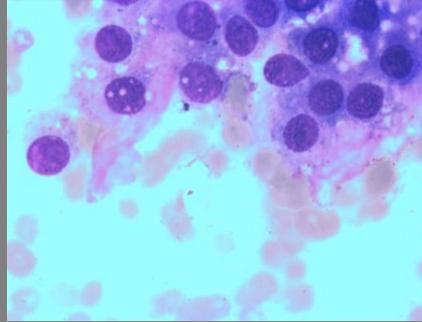


**Диагностическая чувствительность – 97.1%**  
**Диагностическая специфичность – 88.2%**

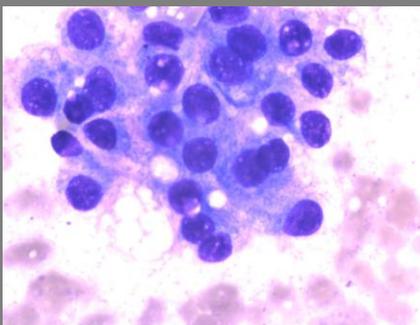




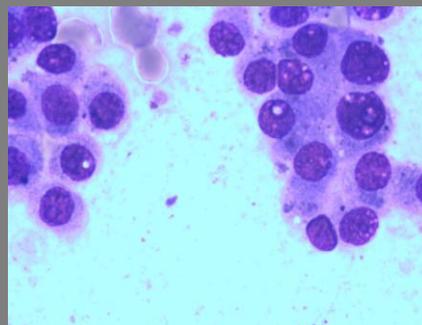
**Гепатоцеллюлярная  
аденома**



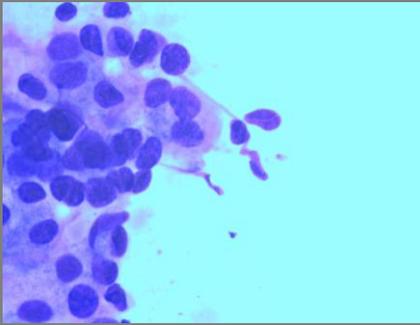
**Гепатоцеллюлярная  
карцинома**



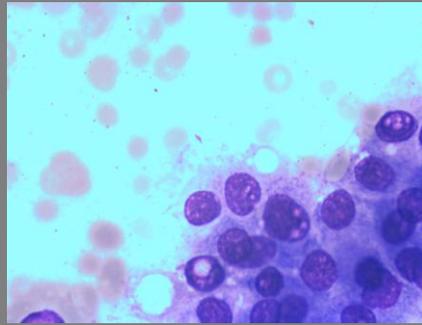
**Цирроз**



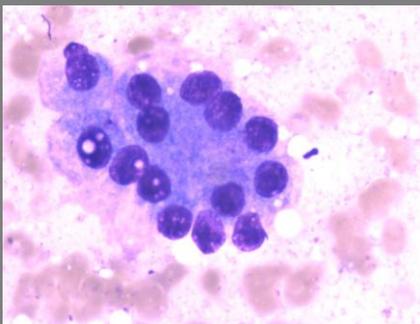
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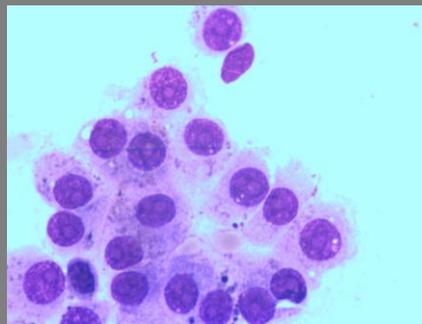
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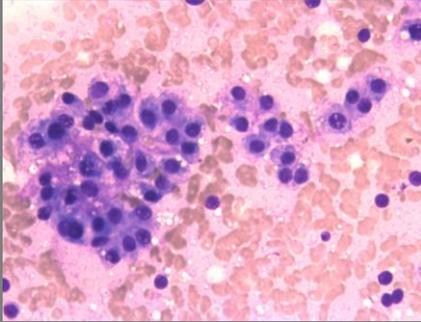
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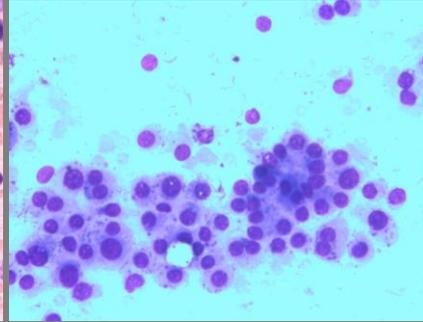
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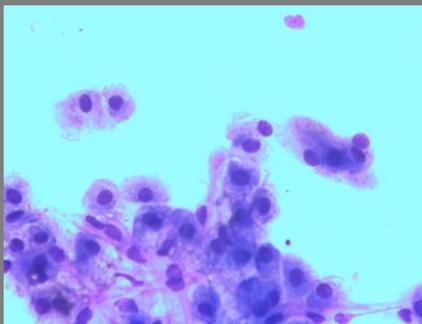
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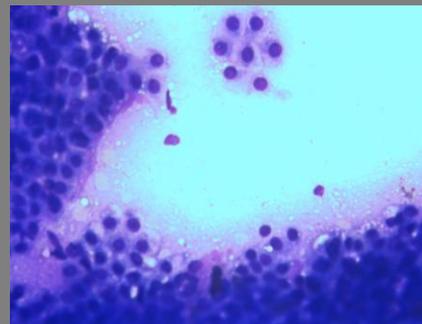
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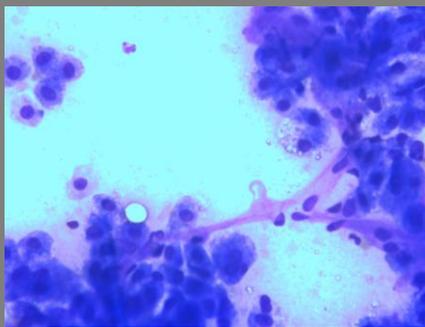
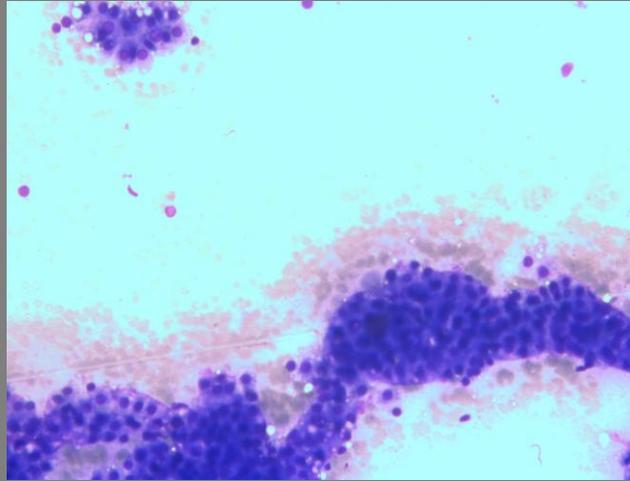
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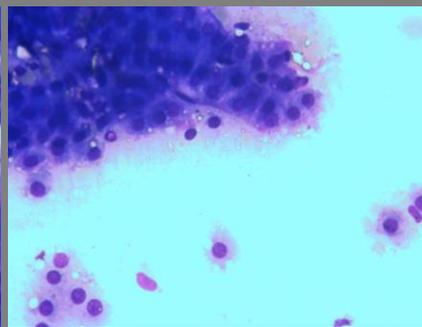
**Фокальная  
нодулярная  
гиперплазия**



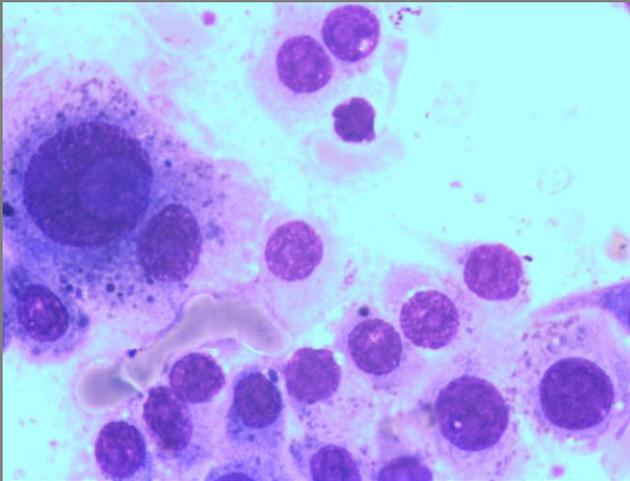
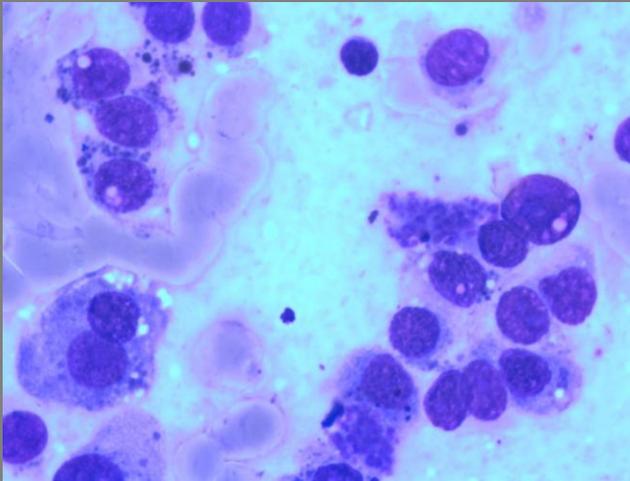
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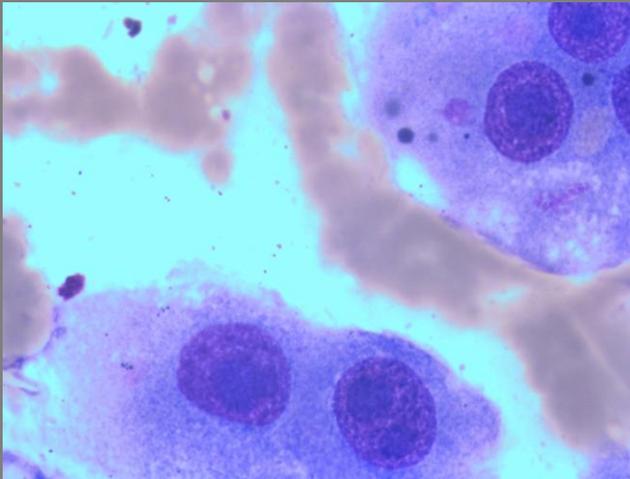
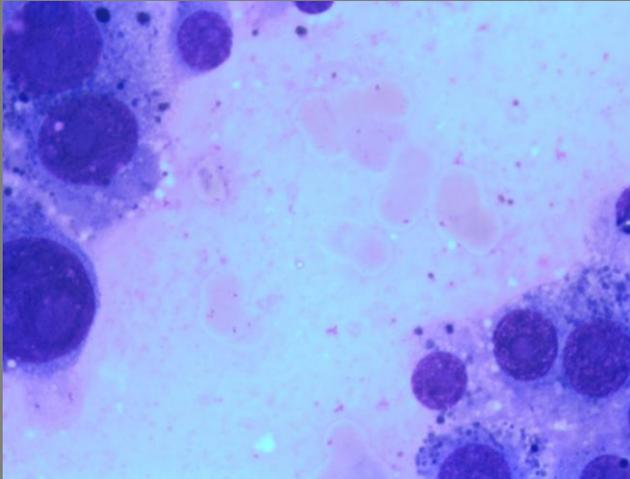


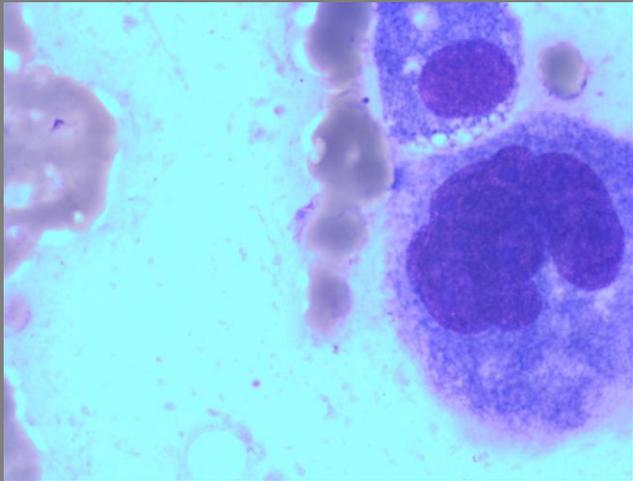
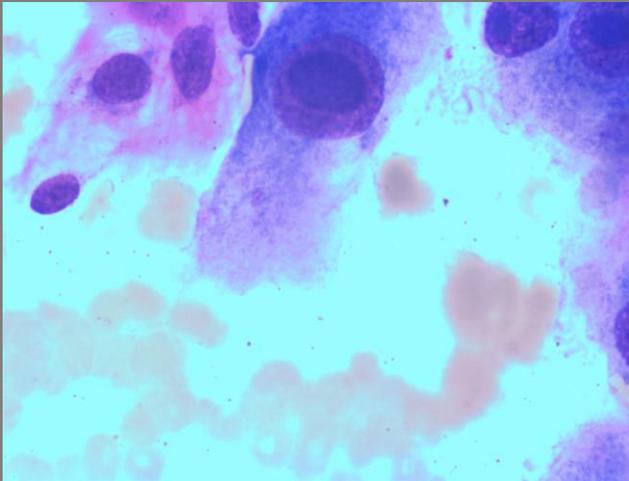
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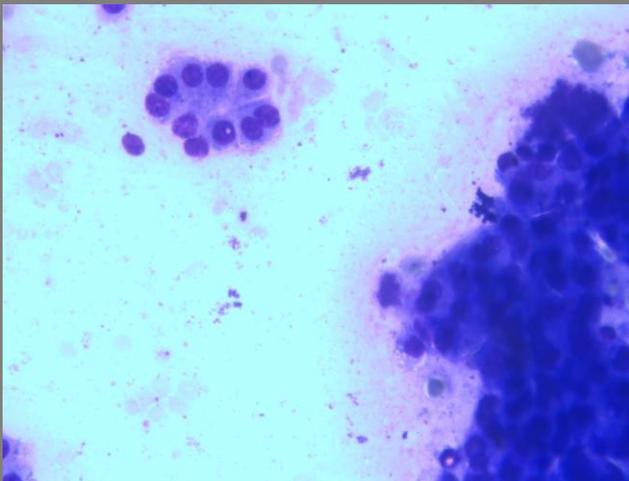
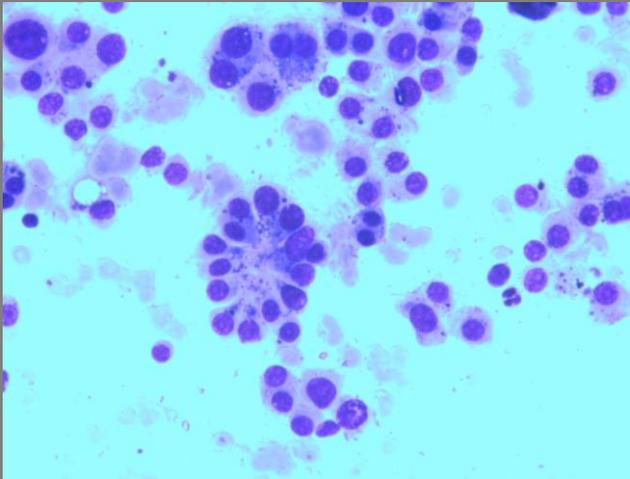


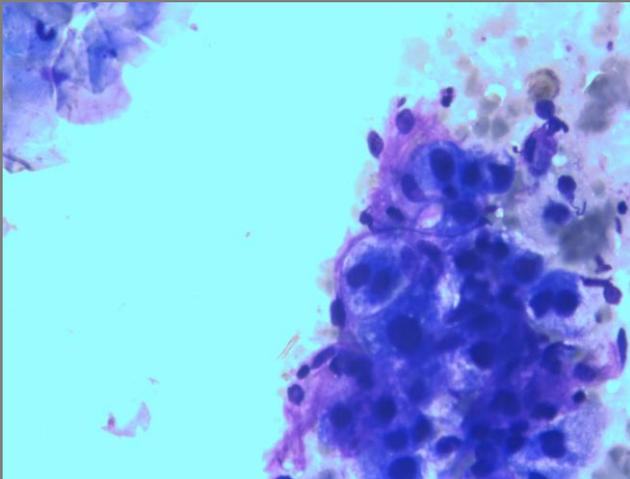
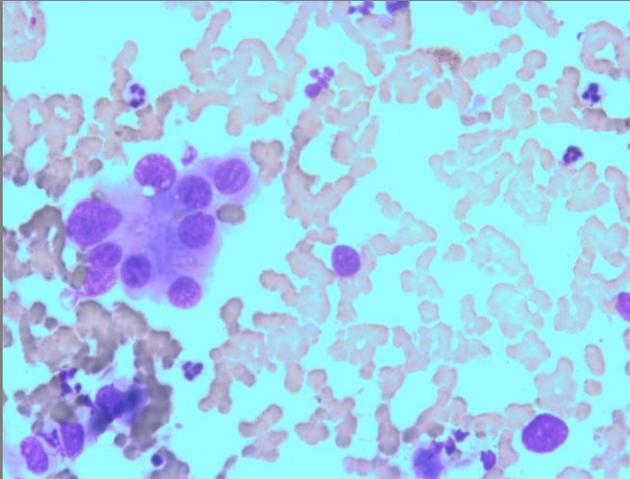
**Гепатоцеллюлярная  
карцинома**

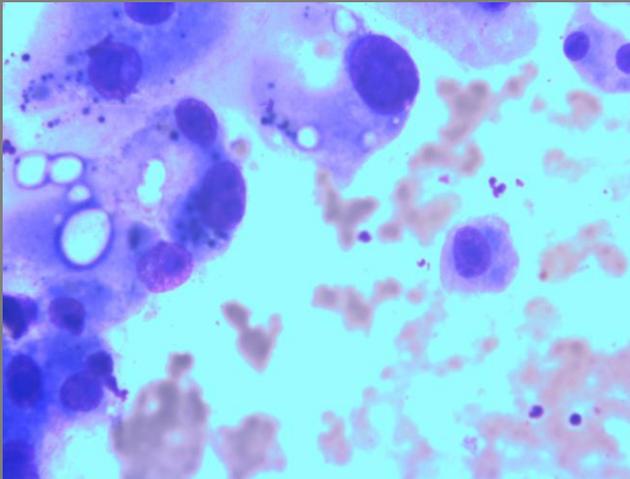
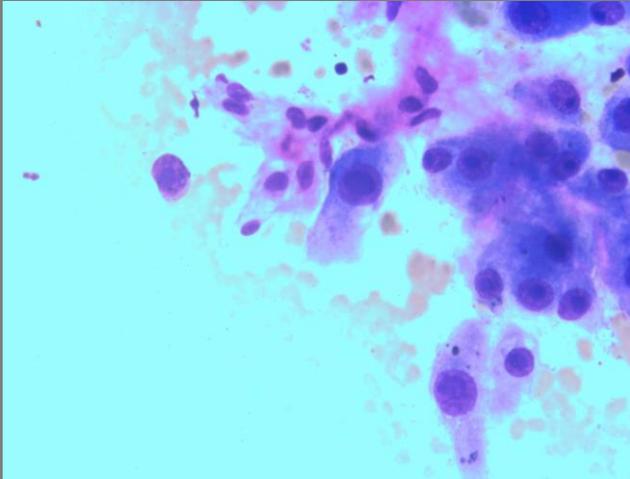










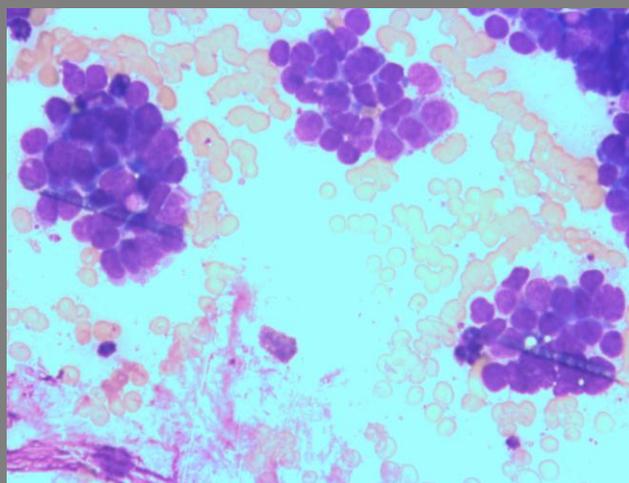


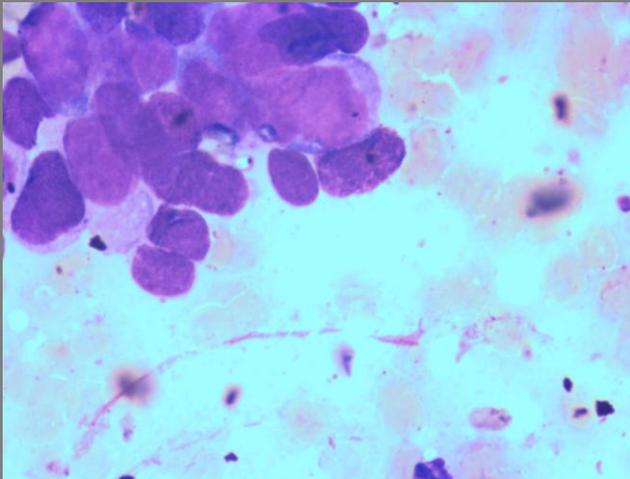
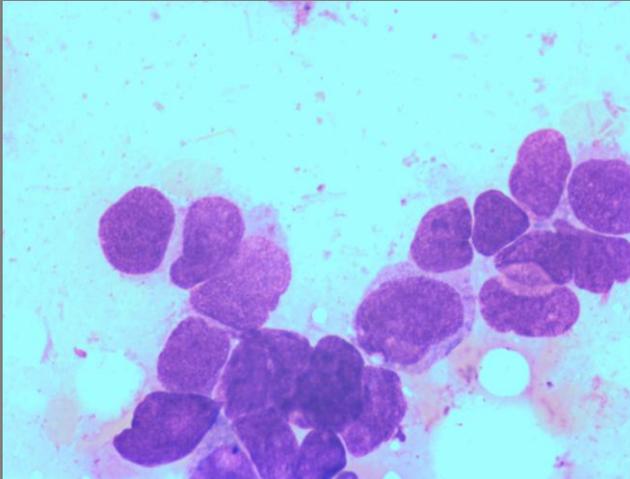
## Негепатоцеллюлярные опухоли печени

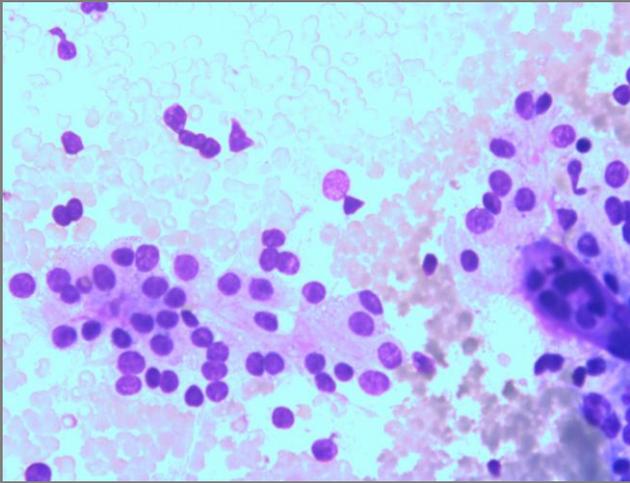
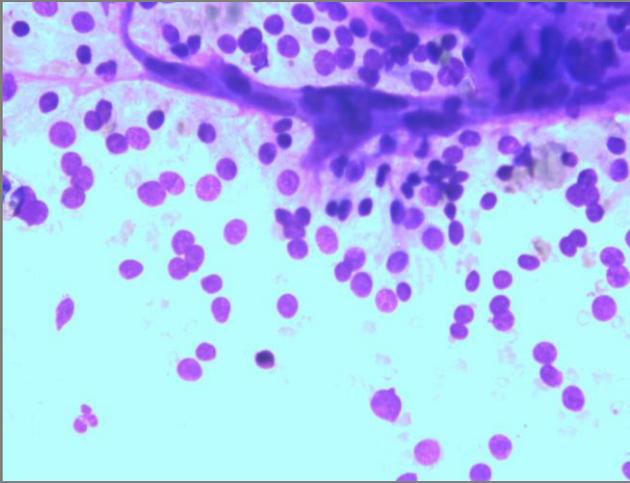
Новообразования  
определенного  
гистогенеза и  
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принадлежности

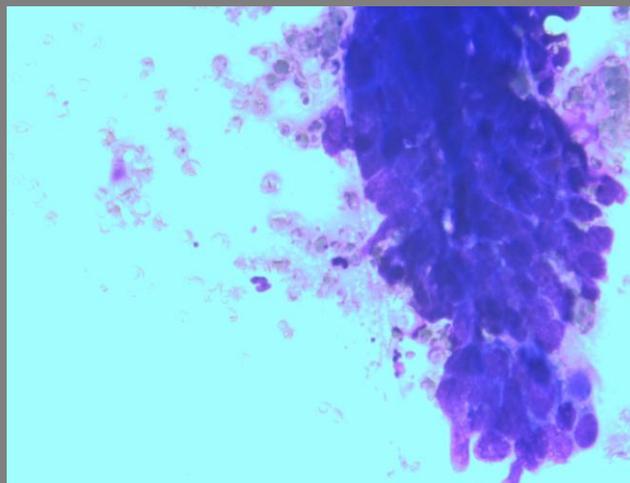
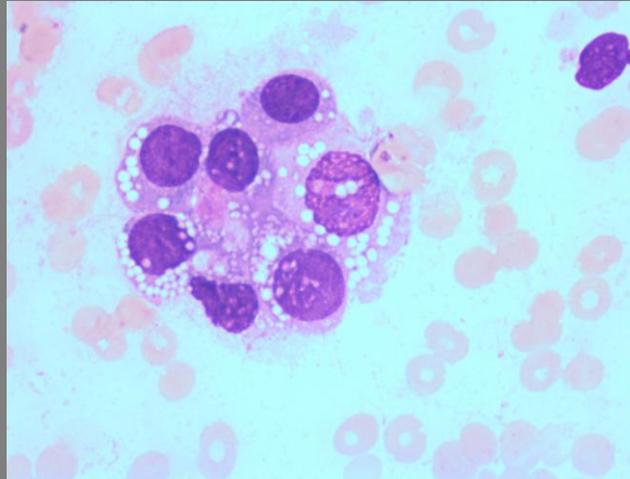
Новообразования  
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уточнения  
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принадлежности

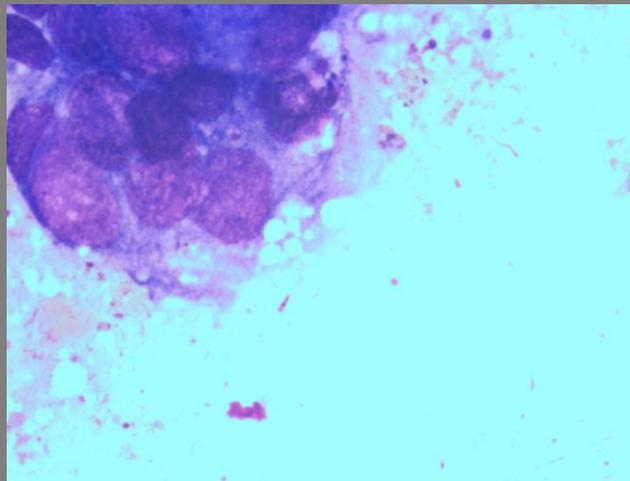
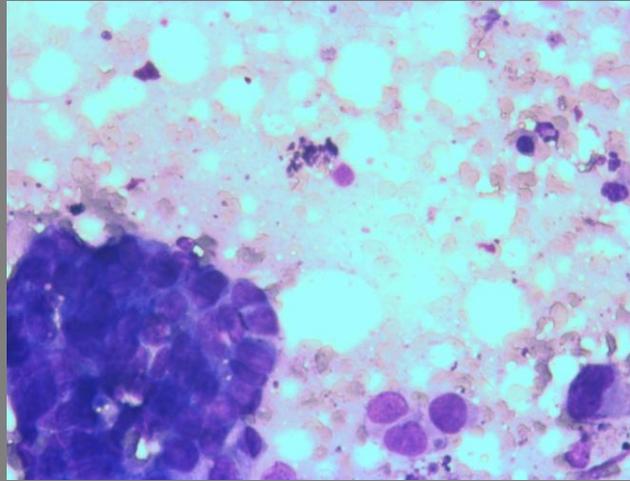
Новобразование  
без уточнения  
гистогенеза и  
органной  
принадлежности

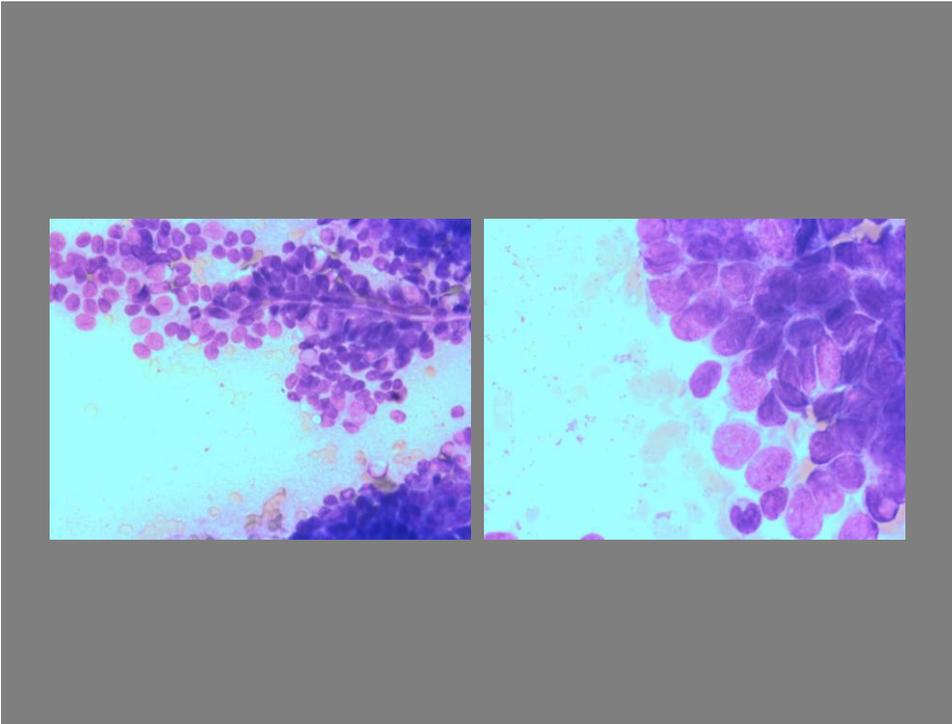
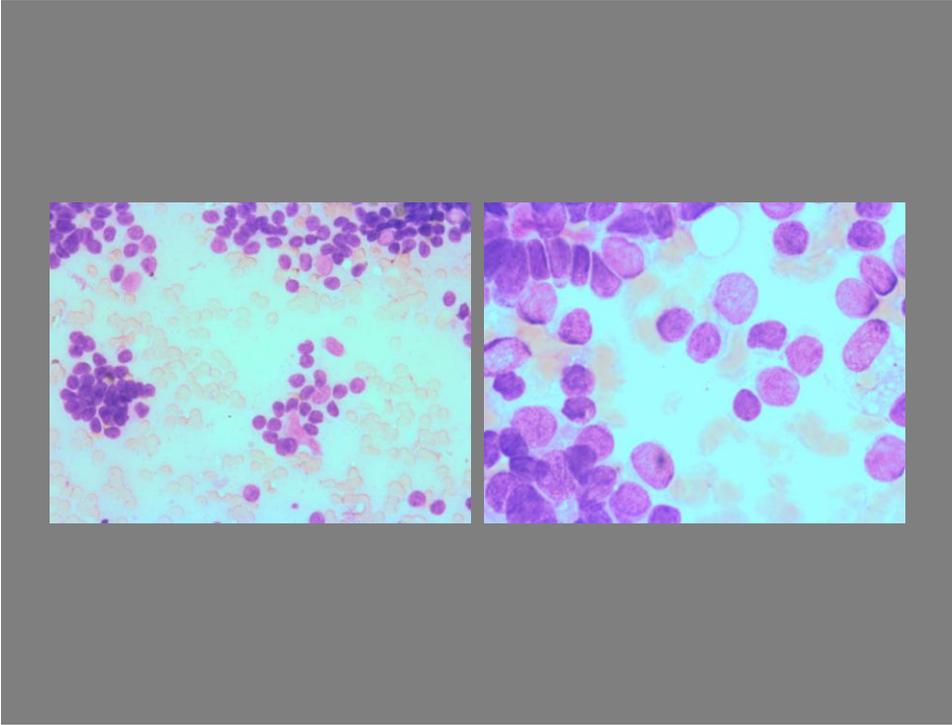


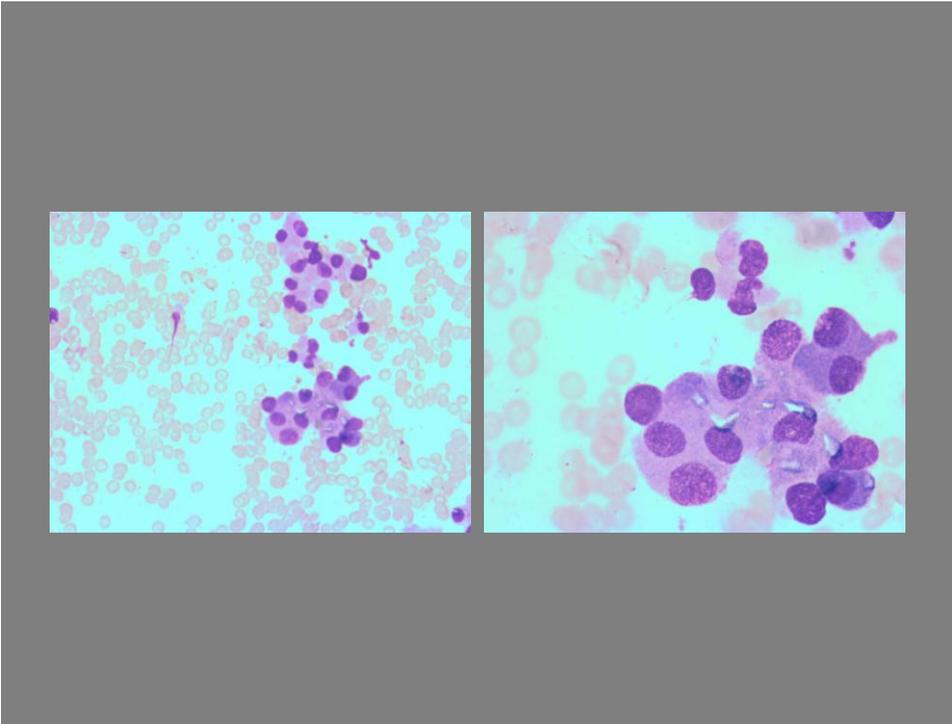
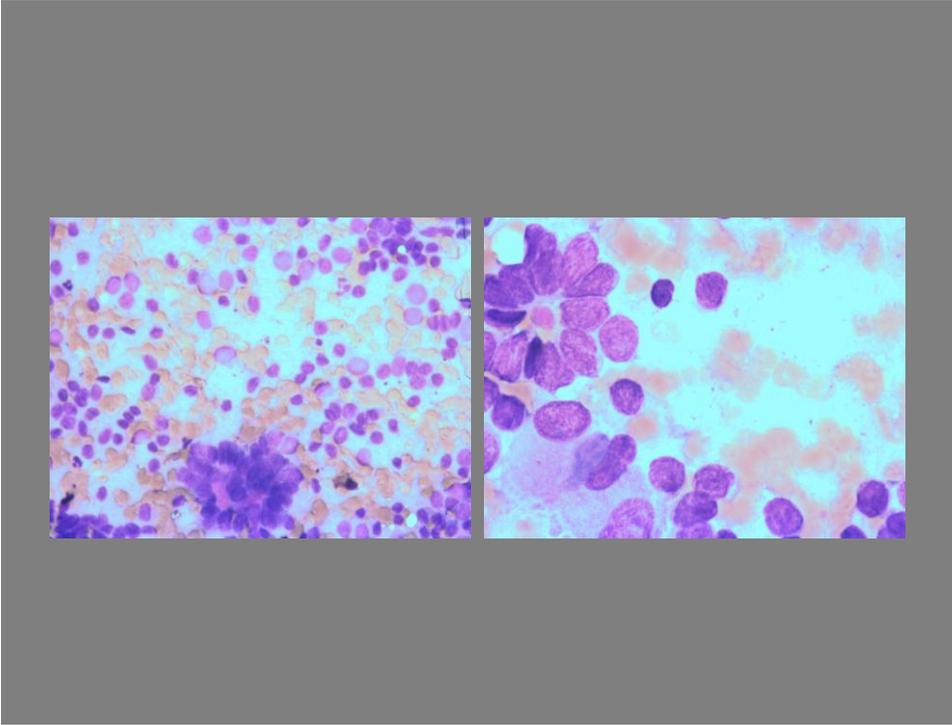


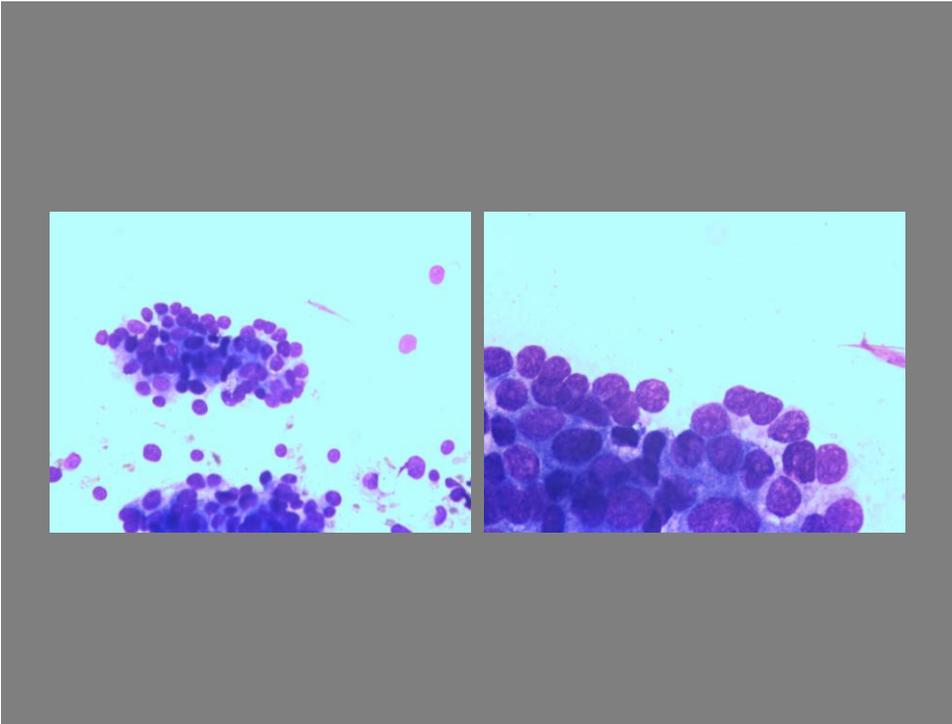
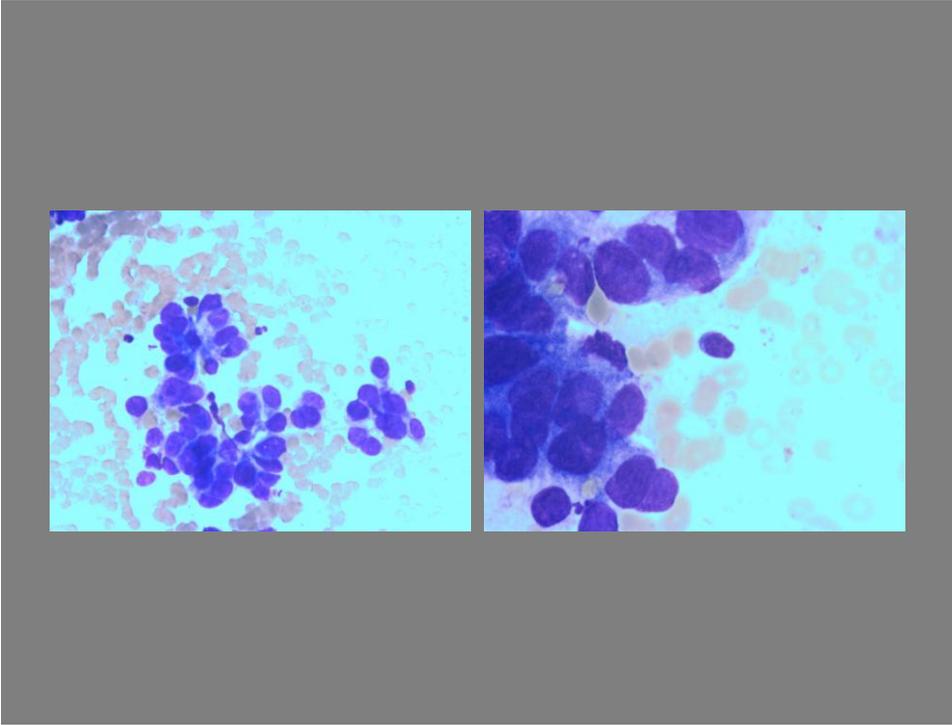


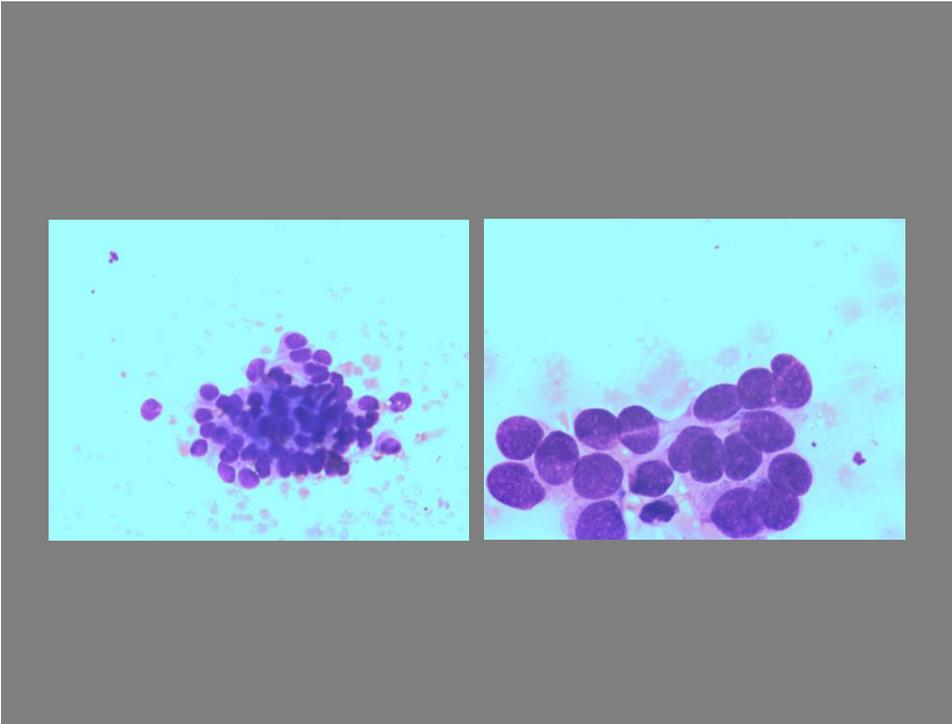
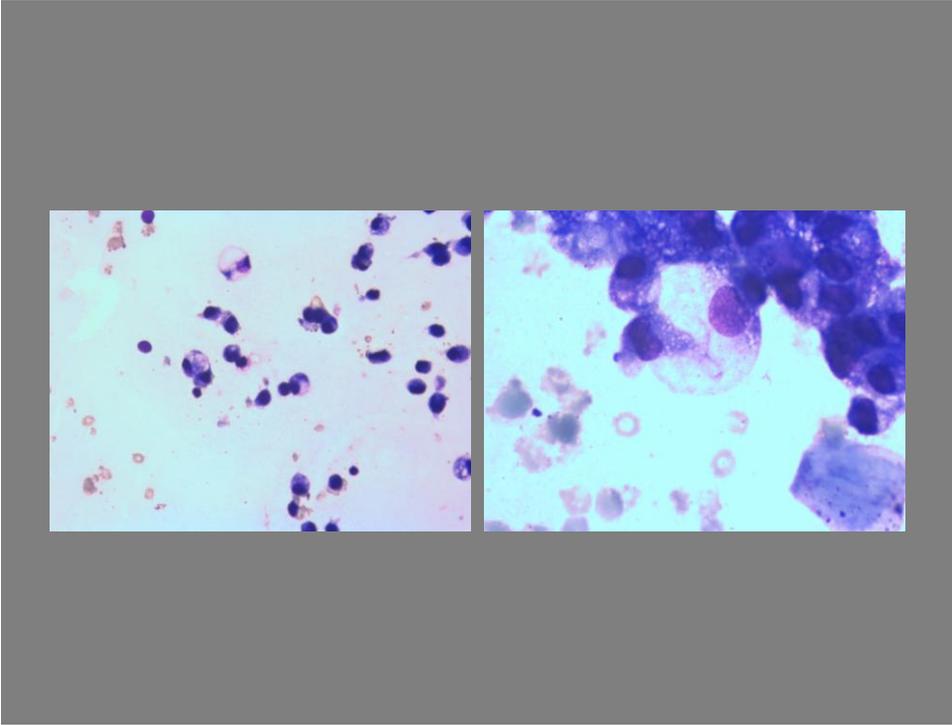


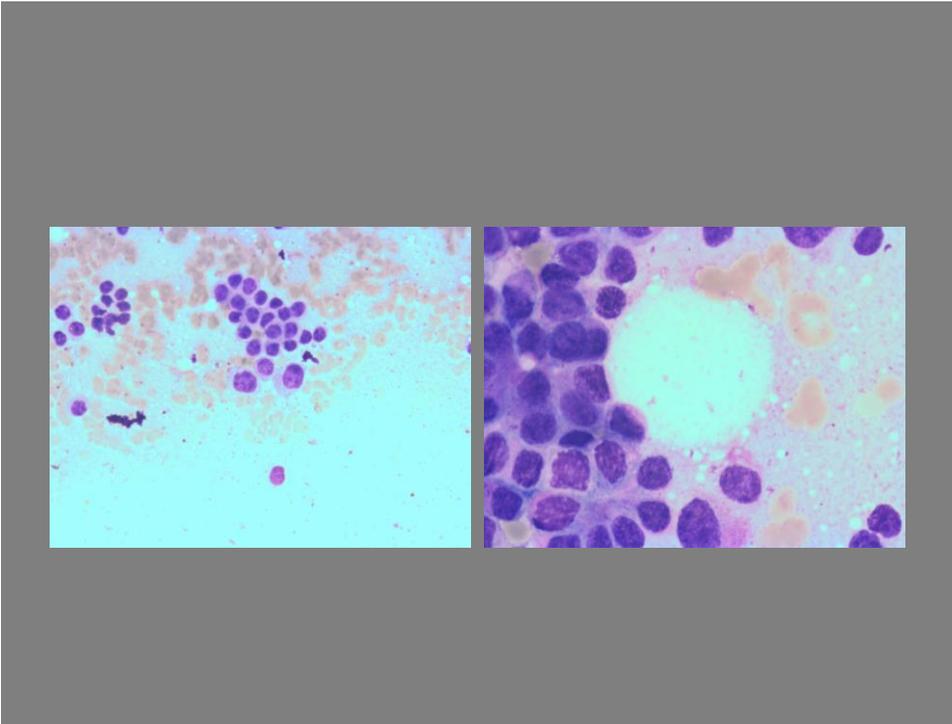
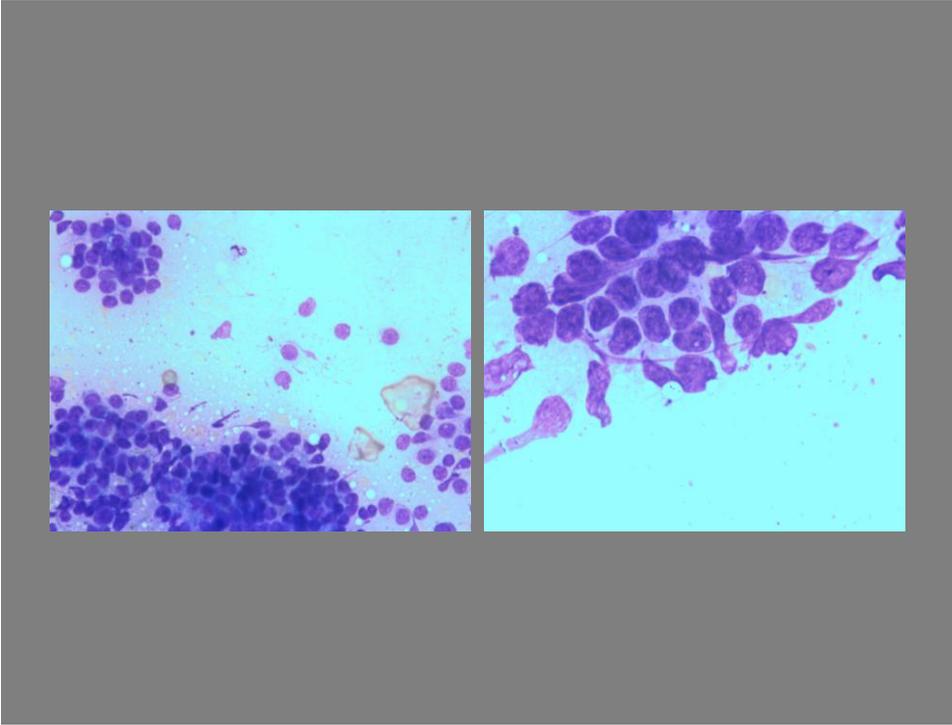


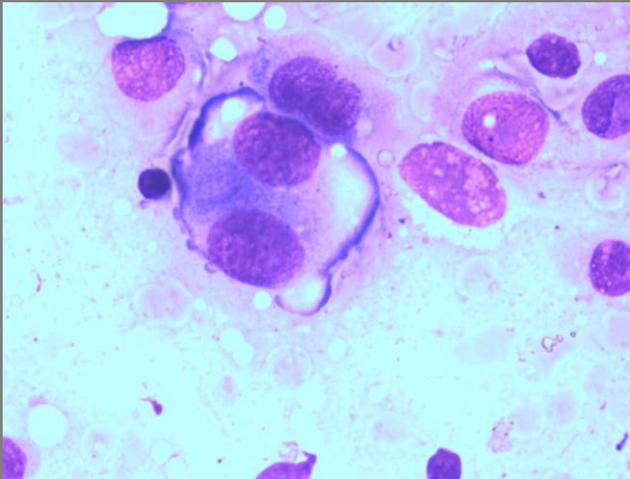
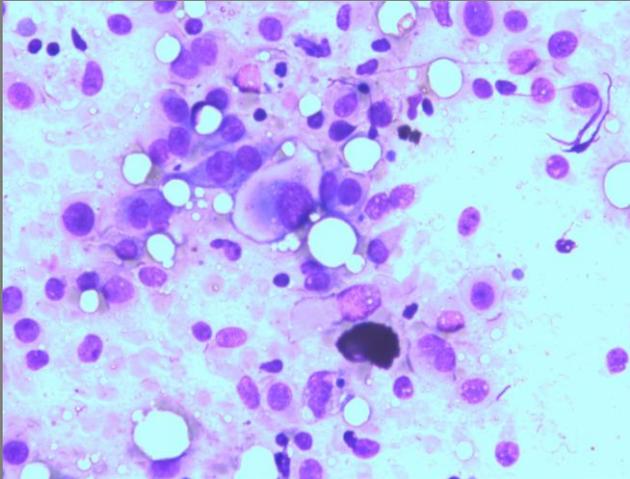


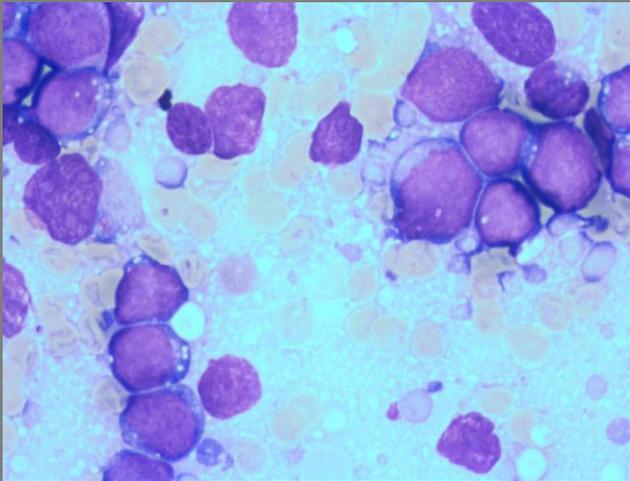
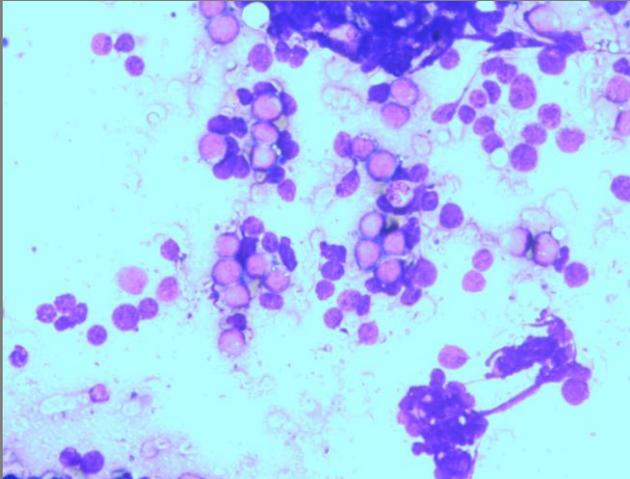


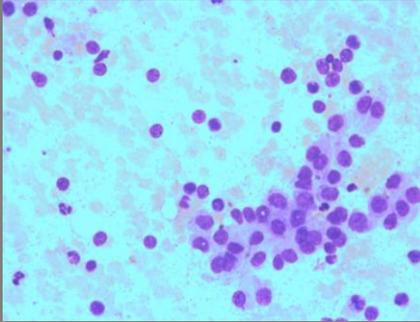




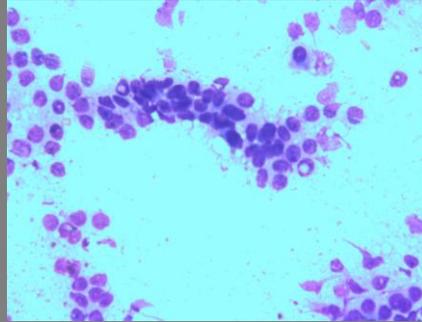




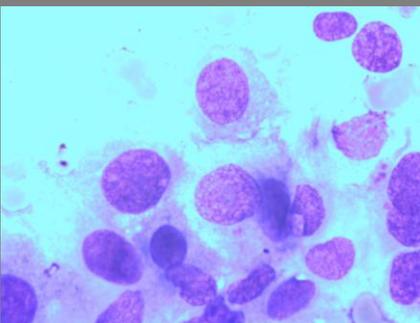




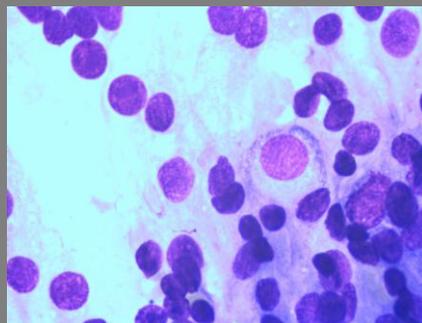
**Гепатоцеллюлярная  
карцинома**



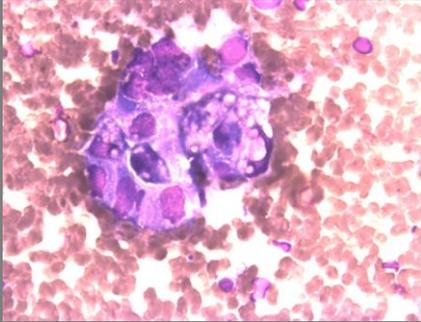
**Нейроэндокринная  
опухоль**



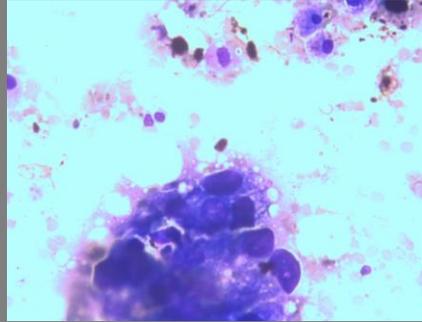
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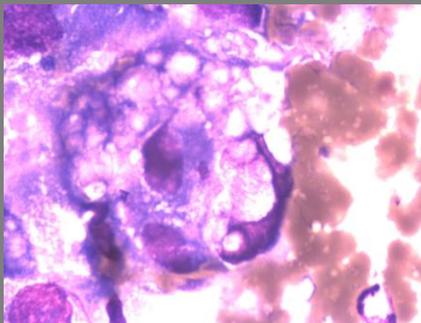
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карцинома**



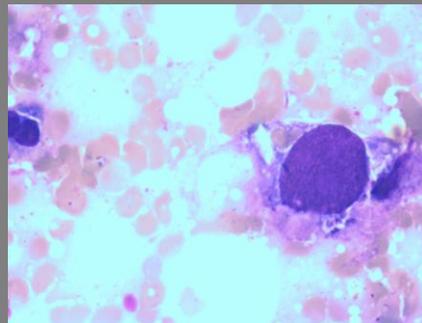
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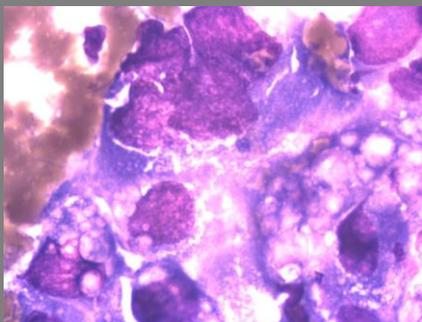
**Аденокарцинома**



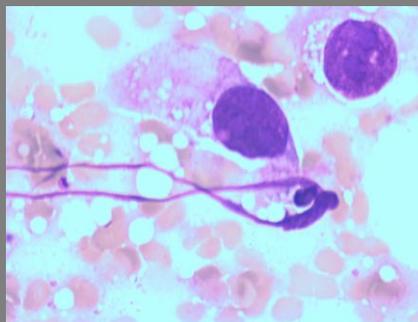
**Гепатоцеллюлярная  
карцинома**



**Аденокарцинома**



**Гепатоцеллюлярная  
карцинома**



**Аденокарцинома**

## Иммуноморфологические маркеры

Гистогенез			Злокачественность		
маркер	ДЧ (%)	ДС (%)	маркер	ДЧ (%)	ДС (%)
AFP	25 - 50	95 - 100	Glypican3	85	95
МОС31	96	100	HSP70	70	100
HepPar1	80	80	GS	50	50
CD34	20 - 40	100			
Glypican3	77 - 89	96			

## Оптимальные панели иммуномаркеров ГЦК

	панель	ДЧ	ДС
Гистогенез	GPC3 HepPar1 MOC31 CK7	90.5%	91.7%
Злокачественность	GPC3 GS HSP70	72%	100%

**БЛАГОДАРЮ ЗА ВНИМАНИЕ!**