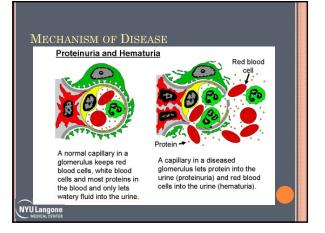


BASIC INFORMATION

• Hematuria

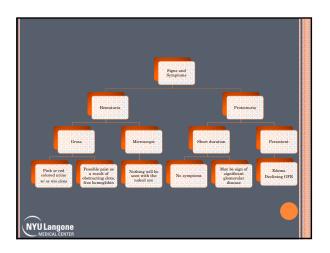
- Measured as protein:creatinine ratio > 0.2 (mg/mg)
- OR albumin:creatinine ratio > 30 (mg/g)
 OR > 4 mg/m²/hr in time collection
- A recent study puts the incidence of hematuria and proteinuria in children at over 6%

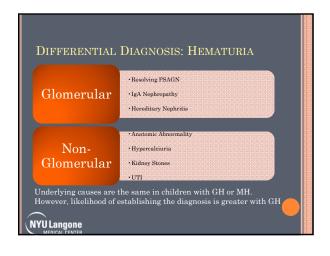
NYU Langone

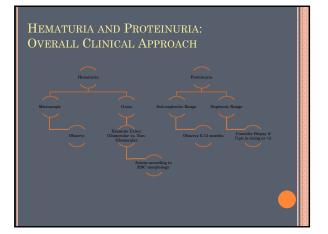


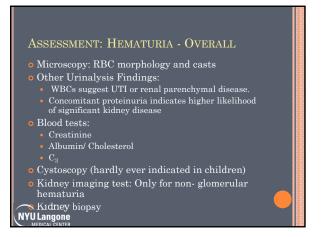
THOSE AT HIGHER RISK OF UA FINDINGS

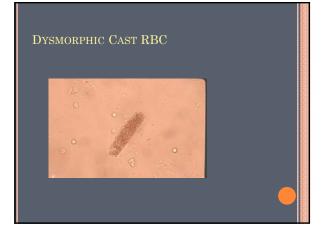
	Proteinuria	Hematuria				
	 History of kidney disease 	History of kidney disease				
	Hypertension	History of urinary stone disease				
	• Fever, exertion	• Use of certain medications including analgesic and				
		anticoagulants				
		• Those who perform strenuous				
		activities				
		• Recent viral or bacterial disease				
NYU Langone Medical center						

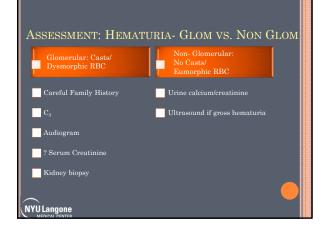


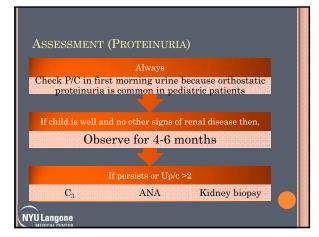


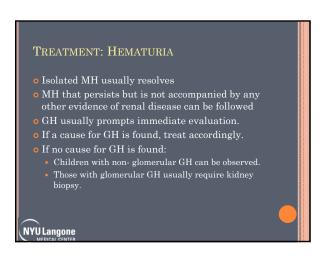












TREATMENT: PROTEINURIA

- If proteinuria is sub-nephrotic:

 - Observation warranted if patient is wellIf it is persistent, a biopsy may be done and treatment will be guided by the diagnosis
- Biopsy is usually performed and treatment is based on histopathology findings
- can be used as sole treatment in patients with sub-nephrotic proteinuria or as ancillary therapy in those with nephrotic range proteinuria

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AREAS OF CONTROVERSY

JAMA Hematuria	Frequency of	Proteinuria as a	
Prognosis	Testing	CV risk factor	
An Israeli study,	AAP recommends no	Studies in adults	
with over 1.2 million	routine UA in	suggest a	
military recruits who	healthy children at	correlation between	
had a UA in their	all visits because of	proteinuria and	
initial examination,	frequent false	developing a	
demonstrated a	positives,	cardiovascular	
hazard ration of 32	psychological effects,	disease.	
for ESKD in those with persistent isolated MH. Implication: Routine	and cost of testing. Implication: Some children with renal	Implication: There are no data about the long term CV ramifications of	
UA may predict	disease may	detecting	
adverse renal	experience a delay in	proteinuria in	
prognosis.	diagnosis.	childhood.	

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