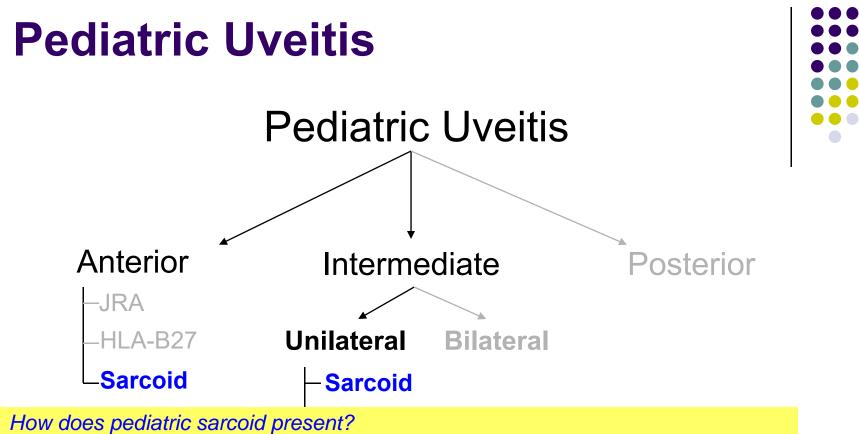
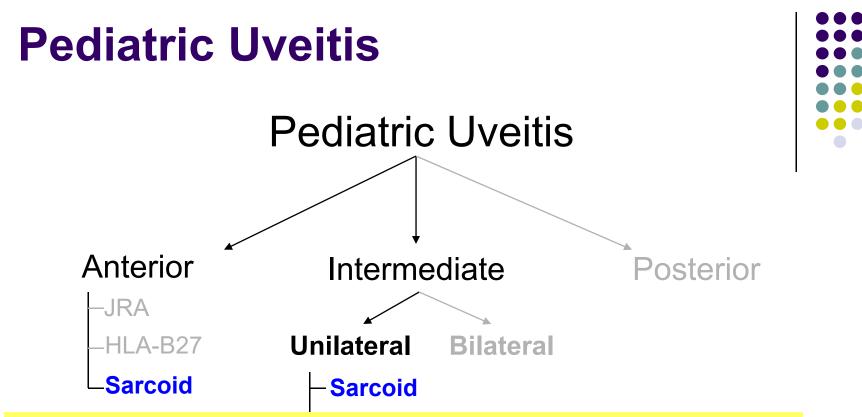


In children over age 4 years, sarcoid presents in a manner similar to adult disease. However, early-onset (<4 years) sarcoid presents very differently—often with a triad of **uveitis**, **arthritis** and **rash**.

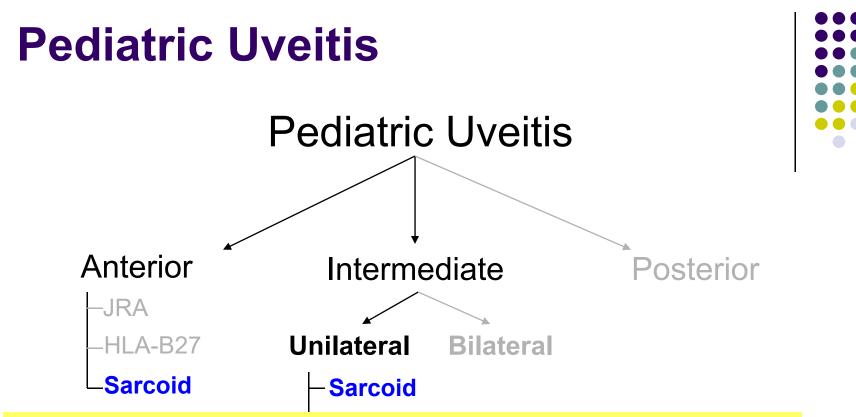


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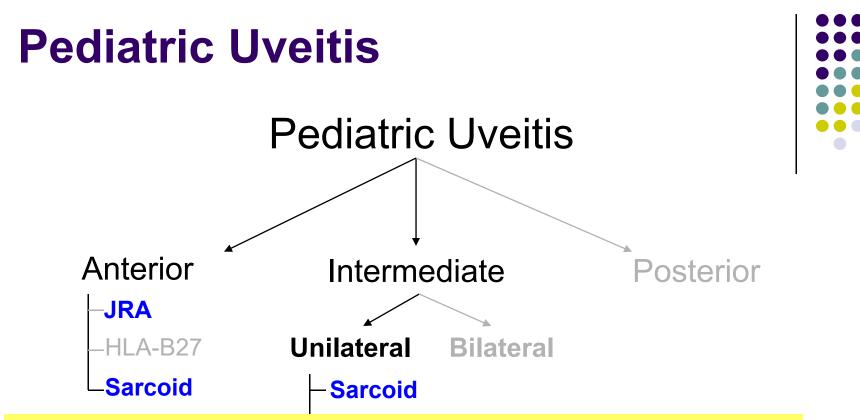
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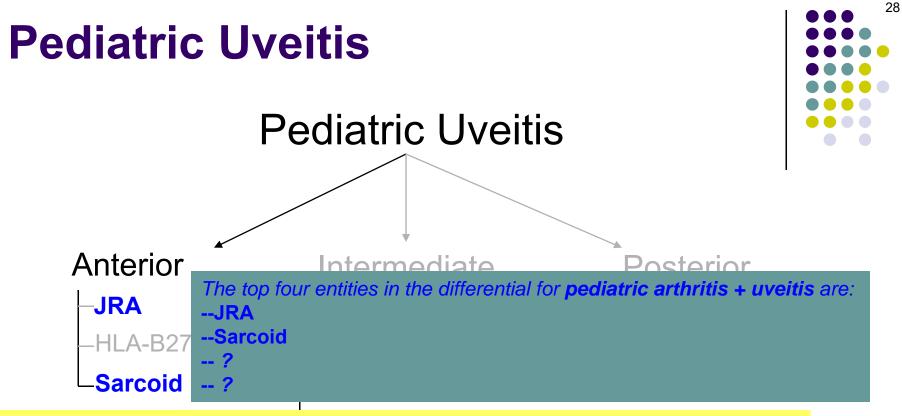
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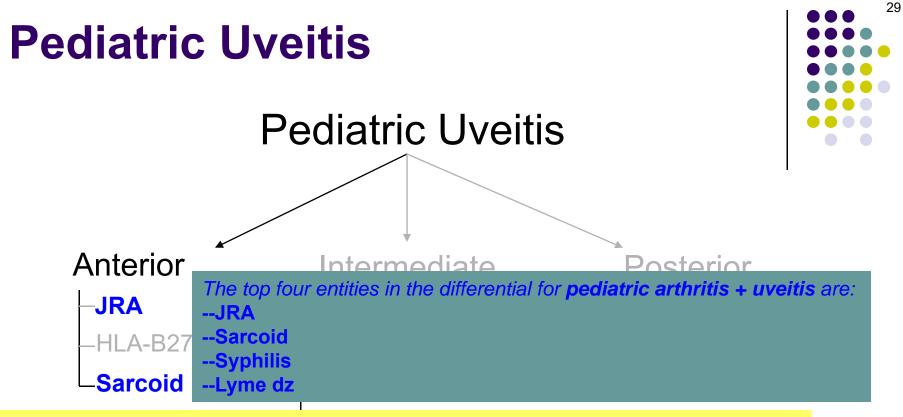
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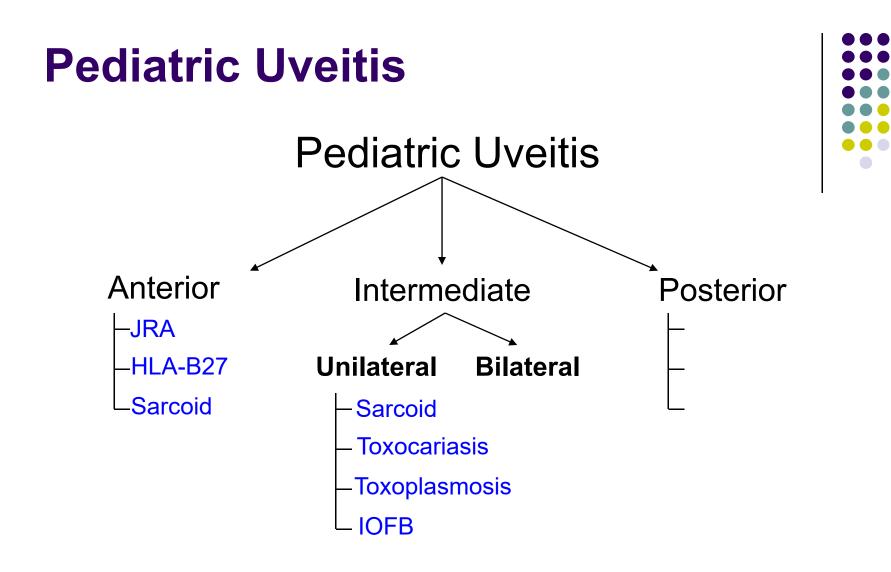
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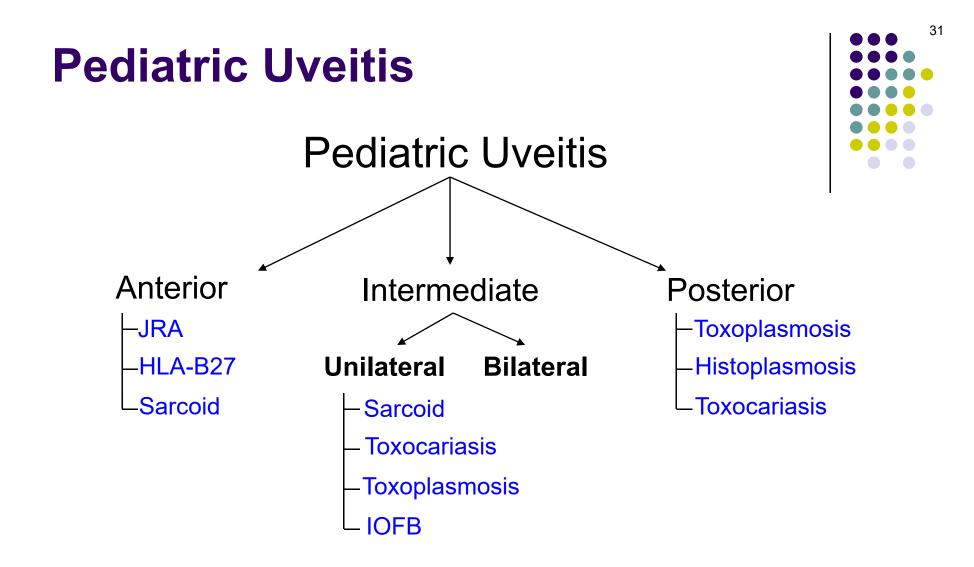
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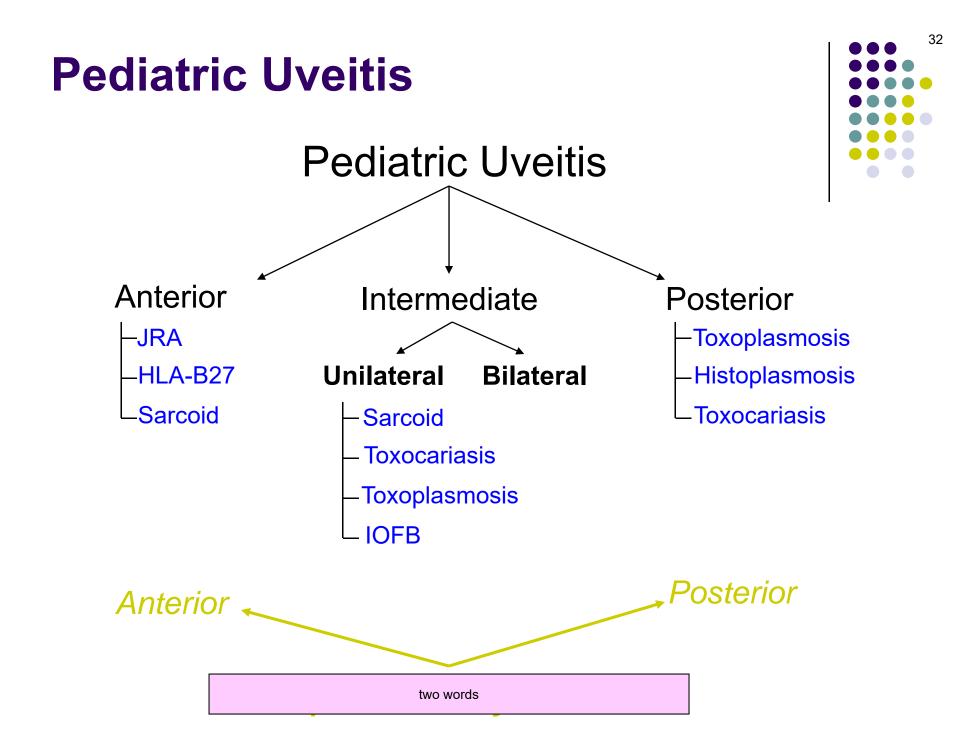


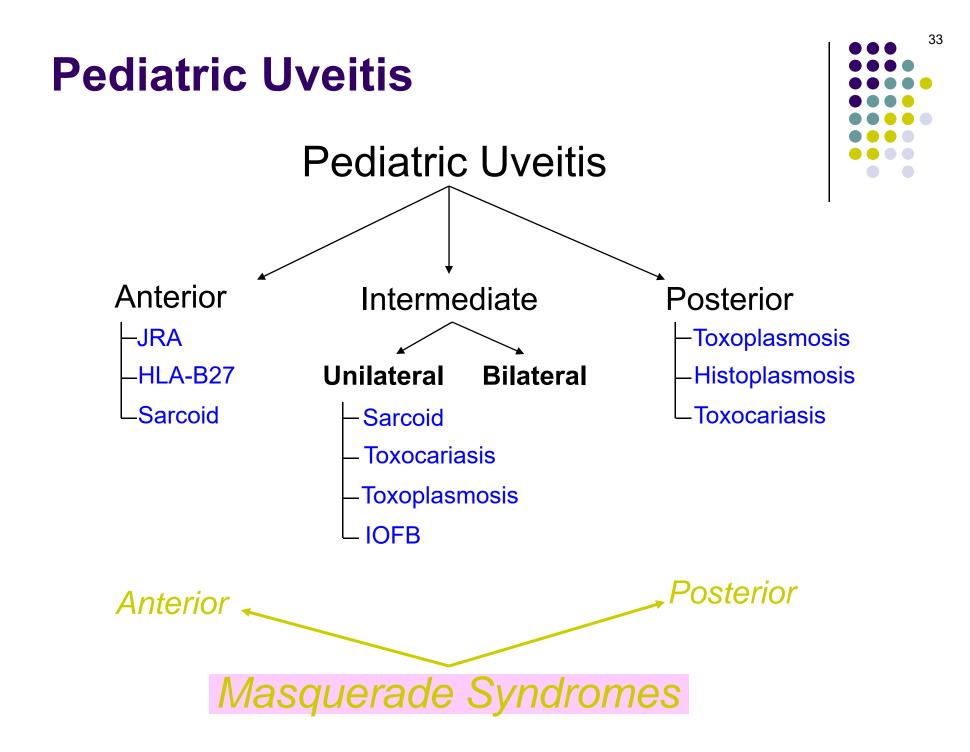
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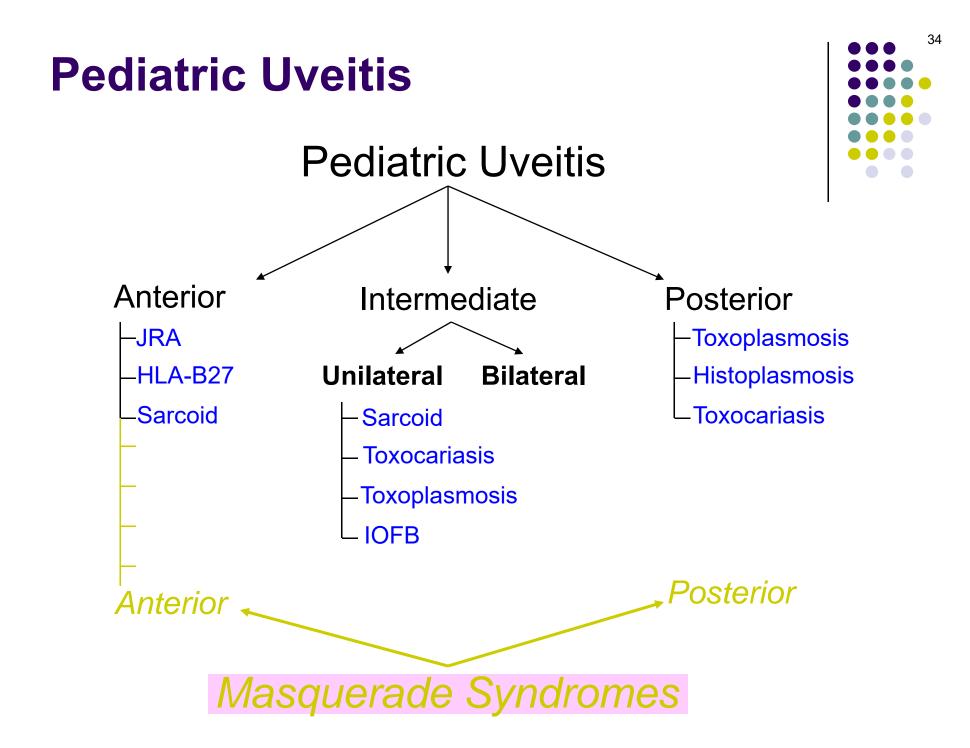
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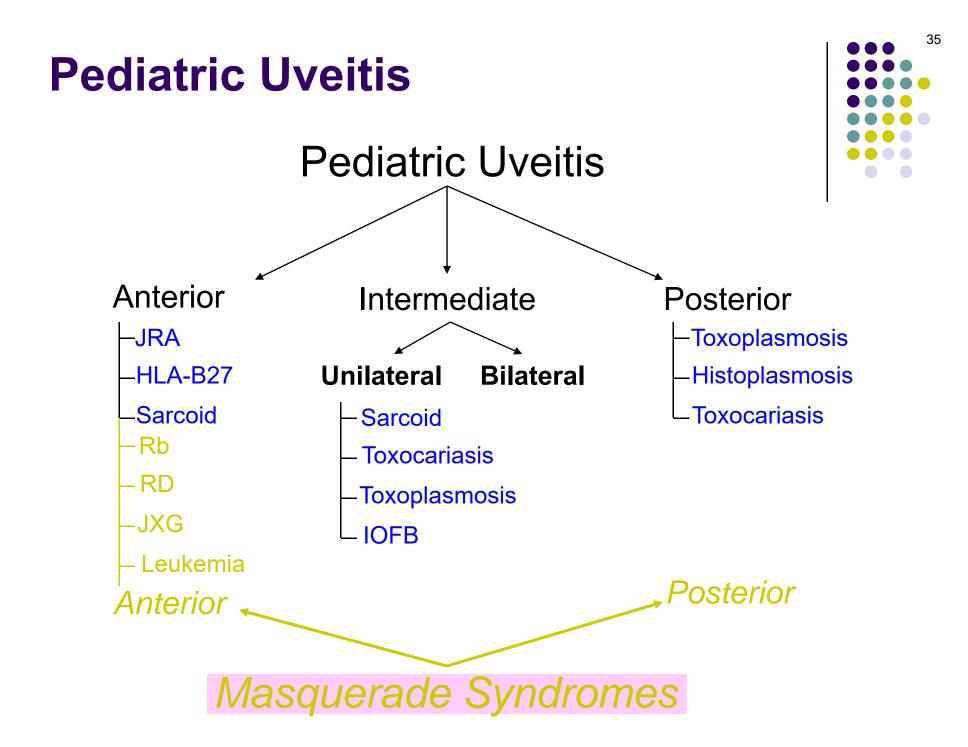


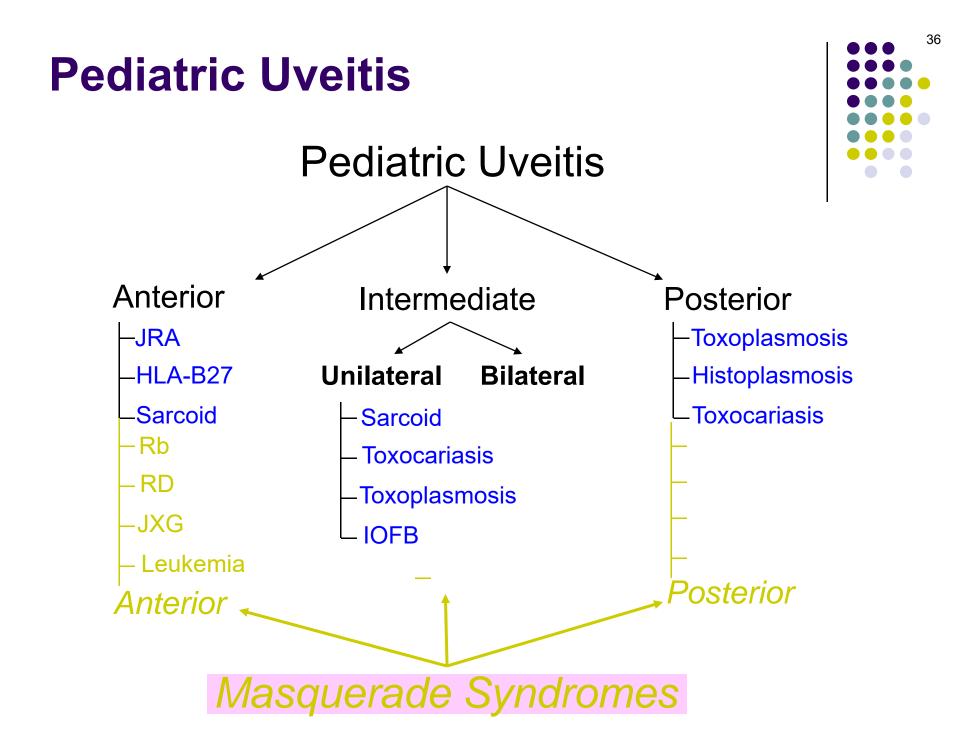


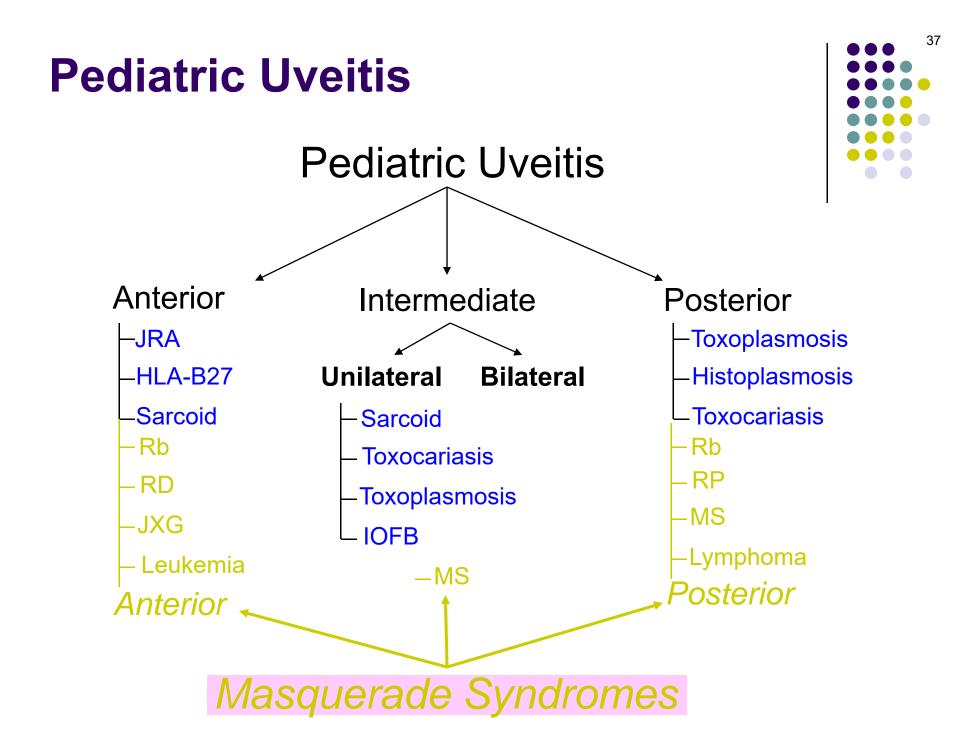


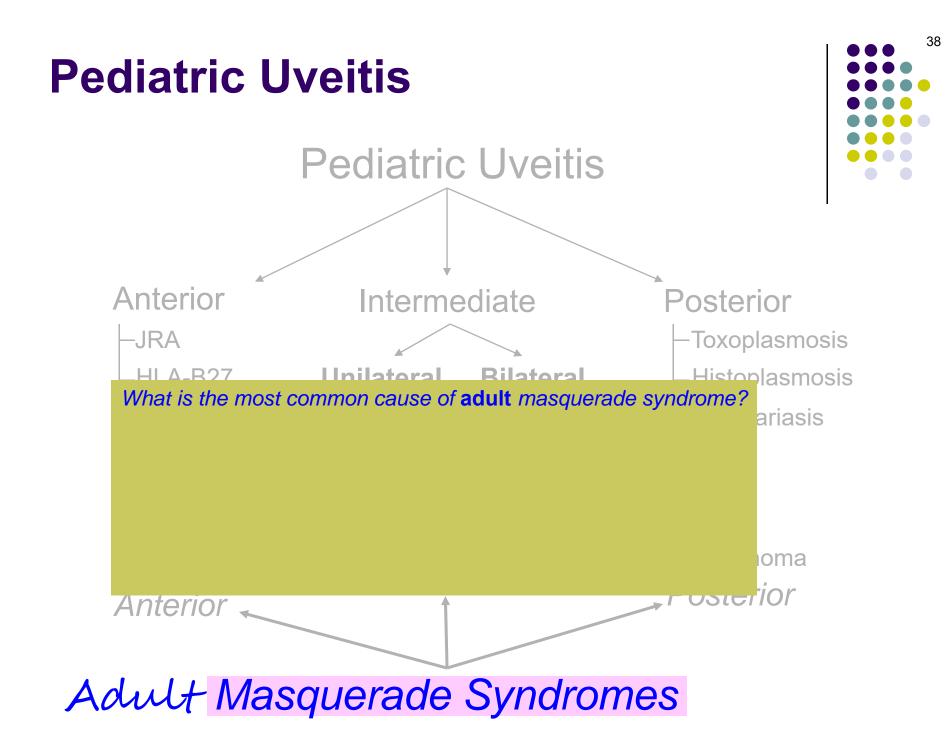


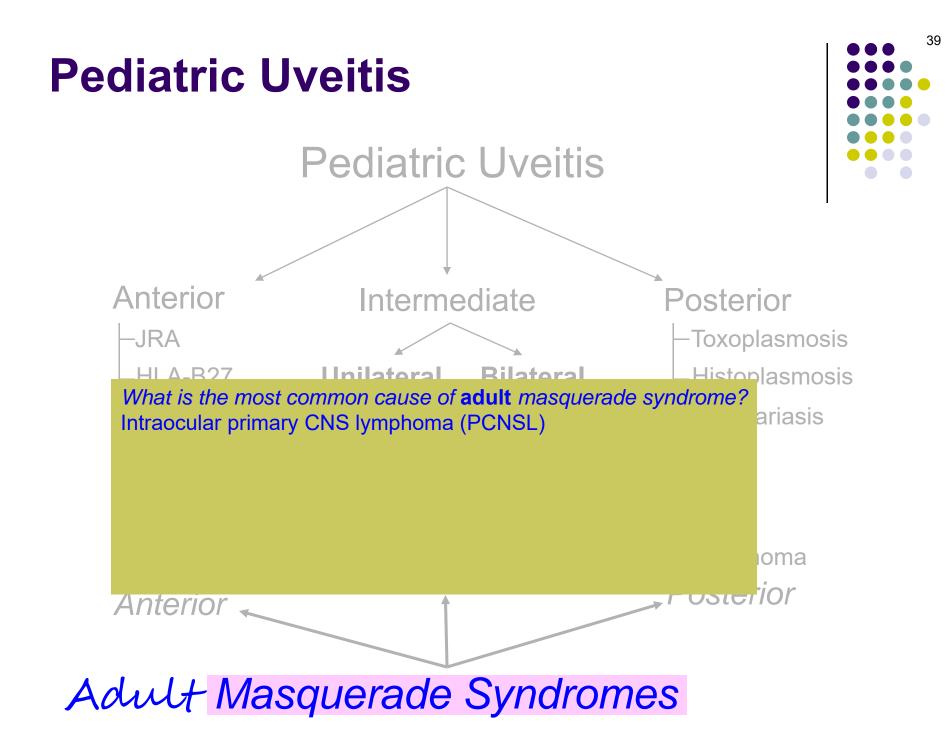


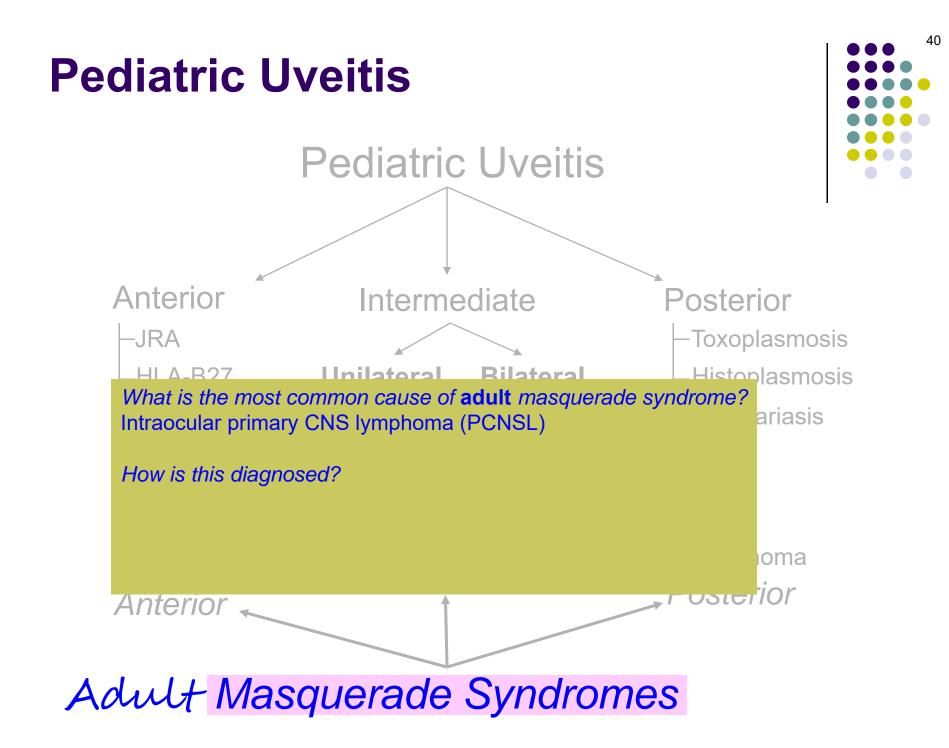


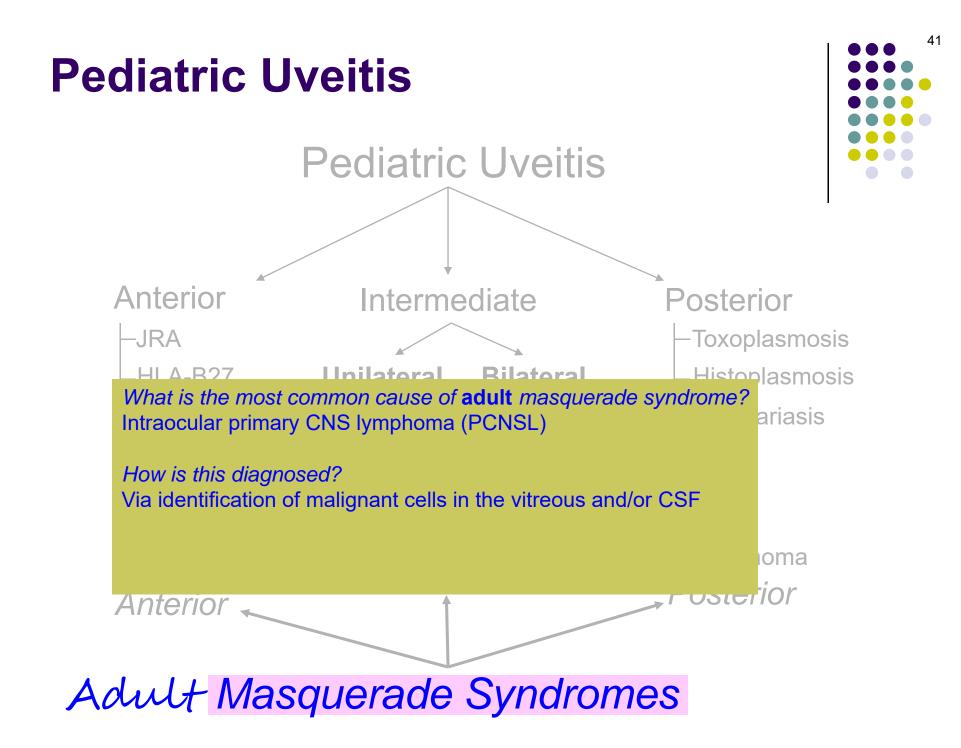


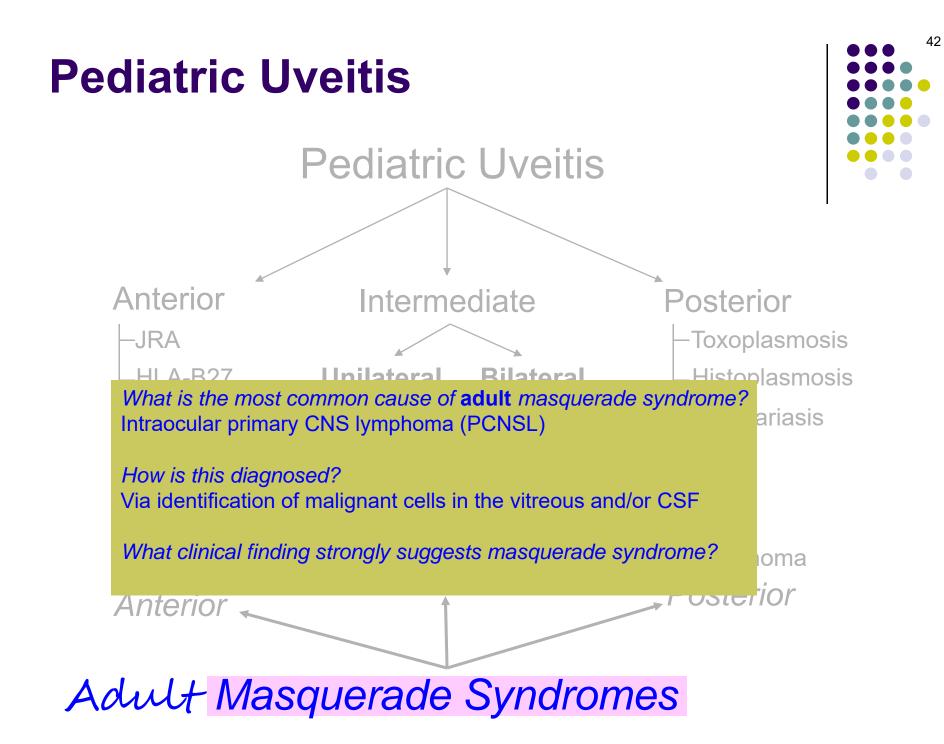


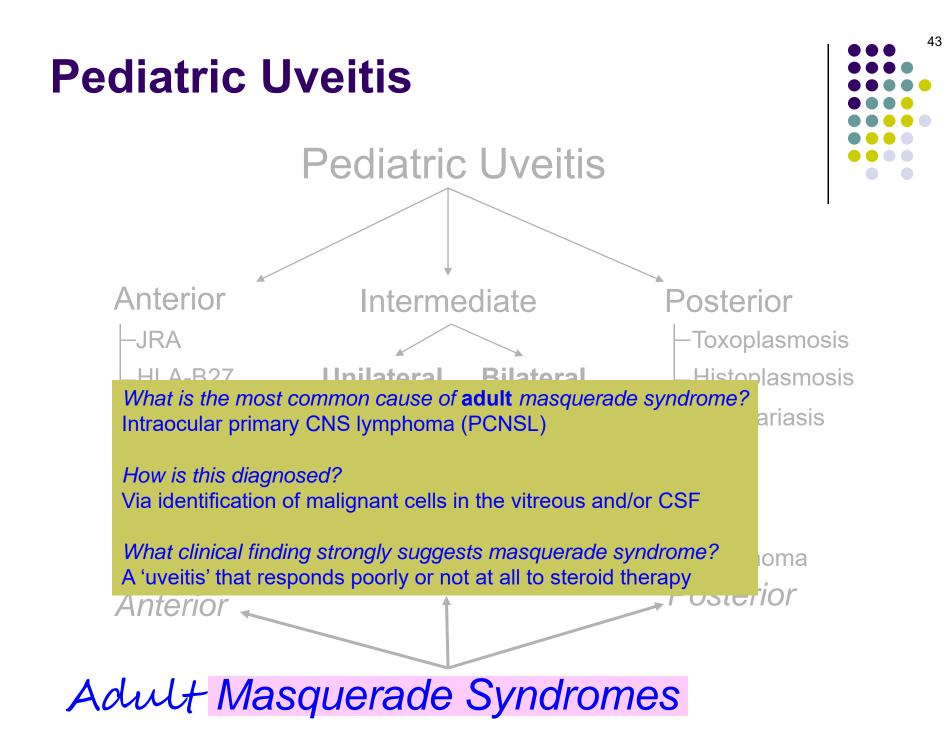


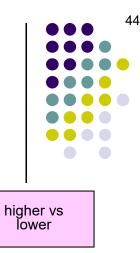








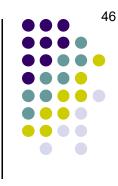




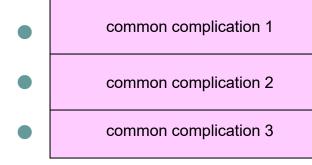
• Steroid-induced complication rates are in children...

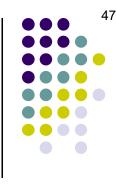


 Steroid-induced complication rates are higher in children...



 Steroid-induced complication rates are higher in children...and include:





- Steroid-induced complication rates are higher in children...and include:
  - Glaucoma
  - Cataract
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In what way do pediatric steroid-induced cataracts differ from adult steroid-induced cataracts?



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In what way do pediatric steroid-induced cataracts differ from adult steroid-induced cataracts? Pediatric steroid-induced cataracts may reverse with cessation of steroids; the adult versions don't



- Steroid-induced complication rates are higher in children...and in *What is* band keratopathy?
  - Glaucoma
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At what layer of the cornea does deposition occur?



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At what layer of the cornea does deposition occur? Bowman's layer



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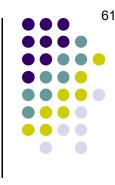
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- Steroid-induced complication rates are higher in children...and include:
  - Glaucoma
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- #1 etiology for pediatric uveitis:



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 Steroid-induced complication rates are higher in children...and include:

JRA accounts for what % of pediatric uveitis?



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JRA accounts for what % of pediatric uveitis? 40



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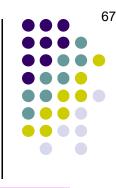
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By what less popular but more accurate name is JRA also known?



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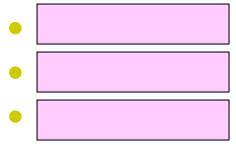


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## • Anterior Uveitis: JIA

• Three broad clinical groupings:





# • Anterior Uveitis: JIA

- Three broad clinical groupings:
  - Pauciarticular
  - Polyarticular
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What is the classic presenting symptom of JIA uveitis?



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What is the classic presenting symptom of JIA uveitis? **There is none**, because JIA uveitis is typically **asymptomatic**. It is not uncommon to find a hypopyon in a white quiet eye.



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What are the classic signs of JIA uveitis?

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  - .
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What are the classic **signs** of JIA uveitis? --Posterior synechiae --Cataracts --Hypotony --Band keratopathy

--Glaucoma



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Does JIA uveitis typically precede, or follow the arthritic component of the condition?



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Is JIA uveitis usually unilateral, or bilateral?

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*Is JIA uveitis usually unilateral, or bilateral?* It is bilateral in about **75%** of cases



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Which type carries the **lowest** risk of developing uveitis?



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Which type carries the **lowest** risk of developing uveitis? **Still disease** 



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Which type carries the highest risk of developing uveitis?



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Which type carries the **highest** risk of developing uveitis? Pauciarticular



• Three broad clinic Note that upings:

inverse relationship between

the severity of a JIA child's

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- Pauciarticular
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 Three broad clinic ipings: Note that there is an **Pauciarticular** inverse relationship between • Polyarticular ...and how the severity of a JIA likely s/he child's is to • Still disease arthritis... develop uveitis



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How 'pauci' does a patient have to be to qualify as pauciarticular, and at what point in the disease process?



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How 'pauci' does a patient have to be to qualify as pauciarticular, and at what point in the disease process? <4 joints affected at the time of disease onset. This is an important distinction—it doesn't matter how many joints are involved when you see them, it's how many were involved when the disease first declared itself.



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What five risk factors place a pauciarticular JIA patient at even higher risk for uveitis?

--Disease duration less than

# of years

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What five risk factors place a pauciarticular JIA patient at even higher risk for uveitis? --Disease duration less than **three years** 

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- --
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- --Disease duration less than three years
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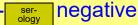
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- --RF negative
- --Female gender

What if the pauciarticular patient is **male**—what key factor places him at increased risk for uveitis?



- Three broad clinical groupings:
  - Pauciarticular
  - Polyarticular
  - Still disease

How 'pauci' does a patient have to be to qualify as pauciarticular, and at what point in the disease process? <4 joints affected at the time of disease onset. This is an important distinction—it doesn't matter how many joints are involved when you see them, it's how many were involved when the disease first declared itself.

What five risk factors place a pauciarticular JIA patient at even higher risk for uveitis?

- --Disease duration less than three years
- --Age of patient younger than 7 years
- --ANA positive
- --RF negative
- --Female gender

What if the pauciarticular patient is **male**—what key factor places him at increased risk for uveitis? Being **HLA-B27 positive** 



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Is/are the affected joints typically located in the upper body or the lower body?

patient at



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Is the knee painful?



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Is/are the affected joints typically located in the upper body or the lower body? Lower body

patient at

What is the classic joint presentation of a pauciarticular child who has uveitis? She has one swollen knee

*Is the knee painful?* Usually not; the classic story is a parent noticed the knee while bathing the child



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What is a reasonable timeframe for obtaining an initial eye evaluation once a diagnosis of JIA has been made?



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What is a reasonable timeframe for obtaining an initial eye evaluation once a diagnosis of JIA has been made? One month



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How frequently should JIA patients be re-evaluated for uveitis?



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How frequently should JIA patients be re-evaluated for uveitis? That depends upon several factors...



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Evaluate every 3 months if...





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Evaluate **every 3 months** if... --pauci- or polyarticular **AND** 



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How frequently should JIA patients be re-evaluated for uveitis? That depends upon several factors...

Evaluate **every 3 months** if... --pauci- or polyarticular **AND** --ANA positive **AND** --dz duration < length of time



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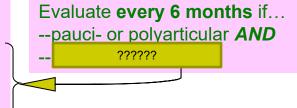
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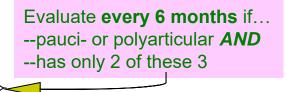
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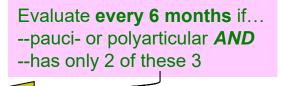
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E١	valuate <b>annually</b> if
	joint status



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- --OR if patient has specific condition



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How is JIA uveitis treated?



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*How is JIA uveitis treated?* The mainstay is topical steroids and cycloplegics; pulse systemic steroids may be needed, as well as PO NSAIDs. In severe cases immunosuppression is required.



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In addition to the usual side effects, what uniquely pediatric side effect makes chronic steroid use an unacceptable treatment option?



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What steroid-sparing agent is typically tried first?



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*What steroid-sparing agent is typically tried first?* Methotrexate



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What steroid-spa. Methotrexate



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What is the rare-but-feared side effect of biologics in children?



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What is the rare-but-feared side effect of biologics in children? Lymphoma



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With respect to exam findings, what is the goal of treatment?



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When should cataract extraction be considered?



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When should cataract extraction be considered? Only after an extended period of quiescence; consideration should be given to performance of a PPV at the time of CE