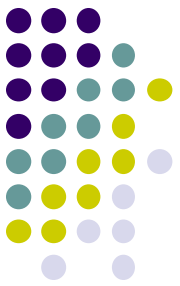


Q

Coats Disease vs Retinoblastoma

In one sentence, define Coats disease.

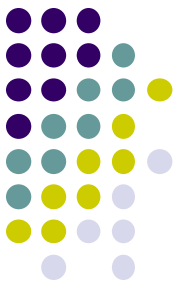


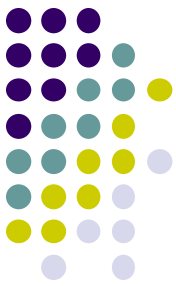
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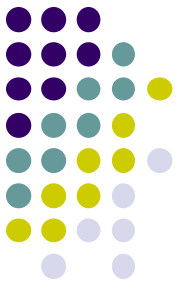
Coats Disease vs Retinoblastoma

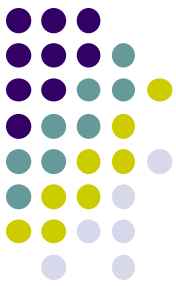
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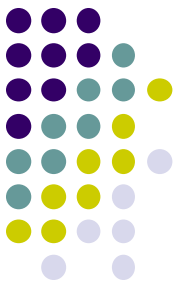
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Q/A

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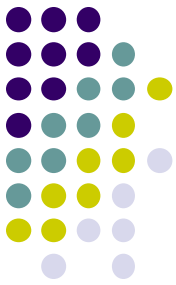
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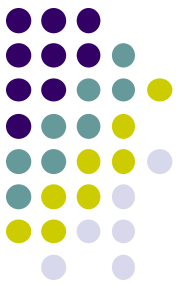
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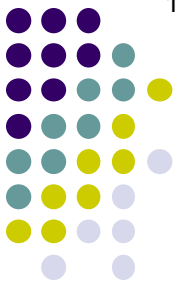
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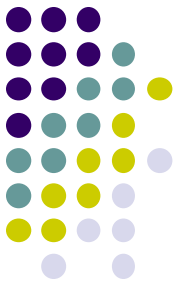
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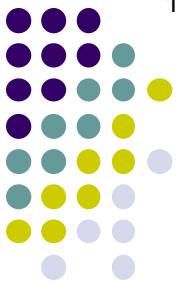
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Coats Disease vs Retinoblastoma



Rb: Exophytic type



Q

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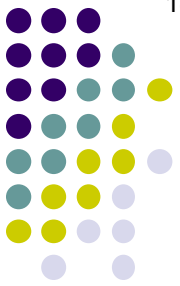
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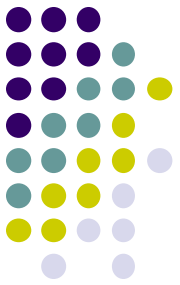
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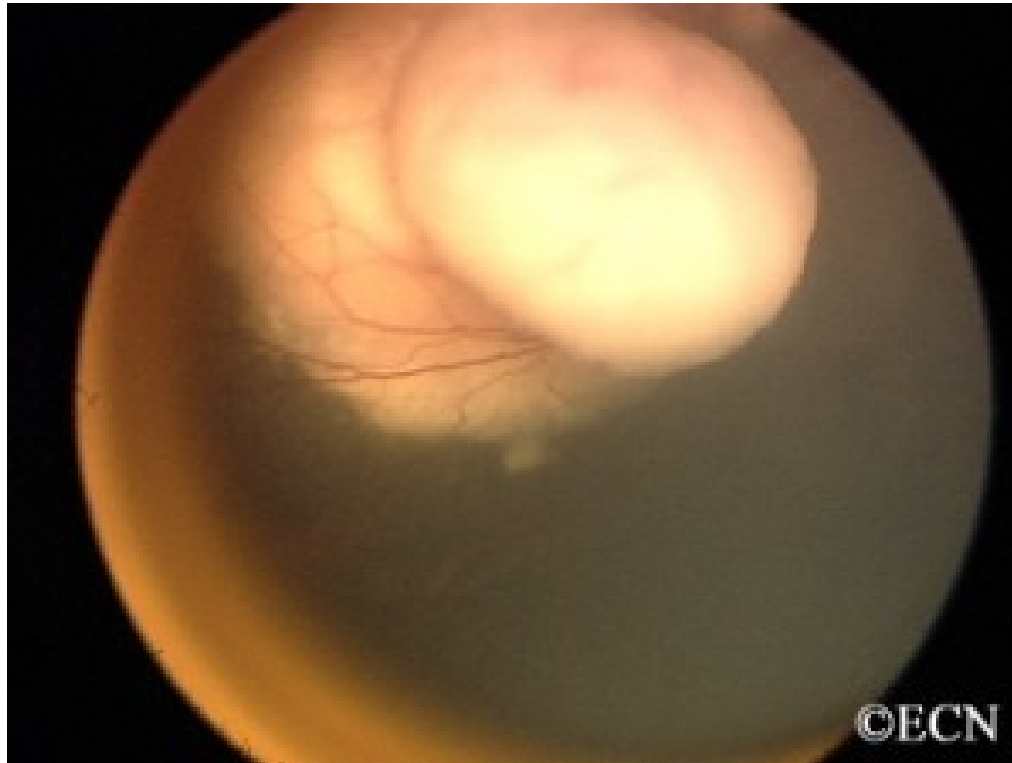
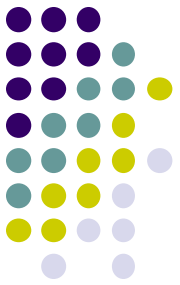
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Coats Disease vs Retinoblastoma

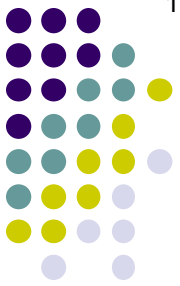


Rb: Endophytic type

Coats Disease vs Retinoblastoma



Rb: Tumor with both exophytic and endophytic portions



Q

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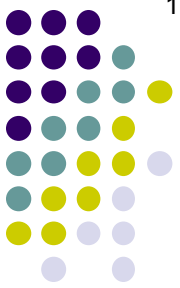
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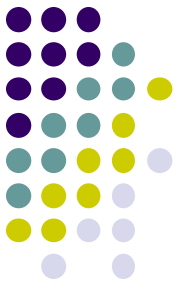
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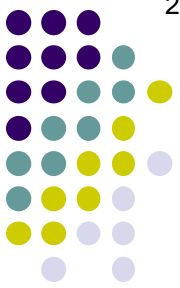
--**Endophytic**: Vertical, into-the-vitreous growth

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Coats Disease vs Retinoblastoma



Rb: Diffuse infiltrating type



Q

Coats Disease vs Retinoblastoma

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ag *Which form presents
with leukocoria?*

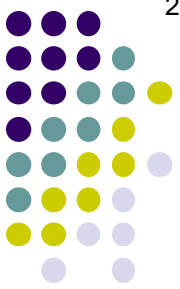
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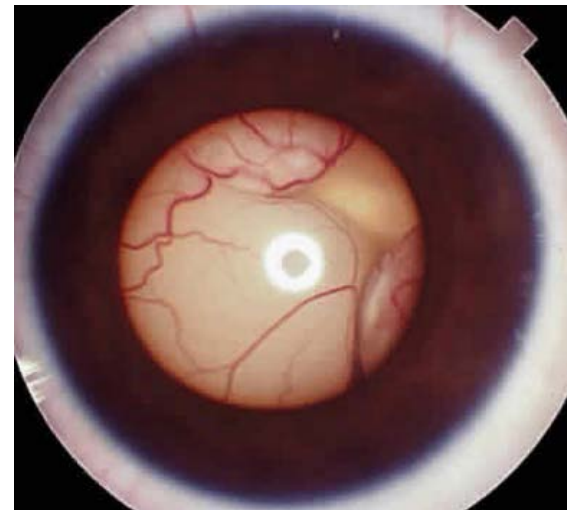
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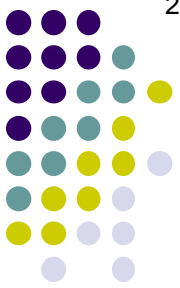
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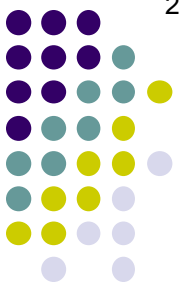
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Uveitis



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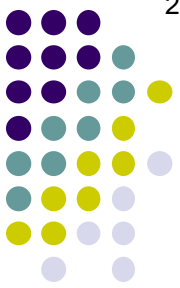
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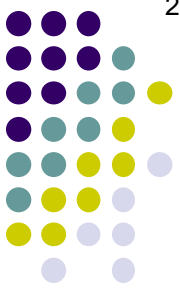
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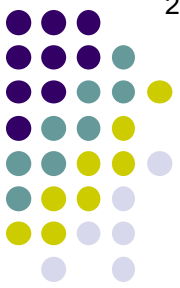
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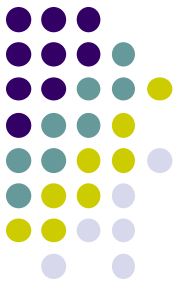
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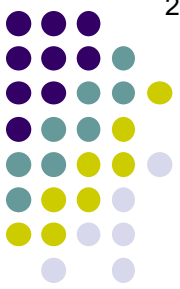
A pseudohypopyon

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Coats Disease vs Retinoblastoma



Pseudohypopyon in diffuse infiltrating Rb



Q

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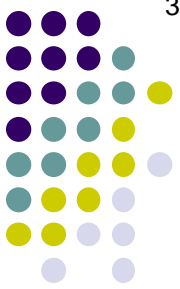
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Q/A

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--Unlike a hypopyon, the pseudohypopyon will shift easily with changes in head position

--The pseudohypopyon is color, as opposed to the color of a true hypopyon



A

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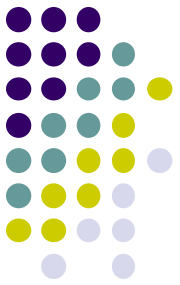
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--The pseudohypopyon is **snow-white**, as opposed to the **yellowish tinge** of a true hypopyon

Coats Disease vs Retinoblastoma



Pseudohypopyon in diffuse infiltrating Rb



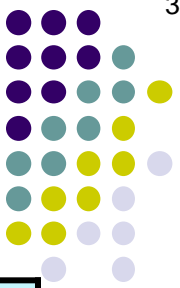
Hypopyon in uveitis

Coats Disease vs Retinoblastoma

[illegible]

Coats Disease vs Retinoblastoma

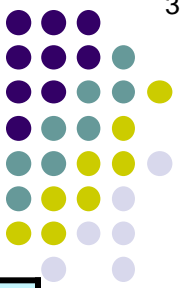
[illegible]



Q

Coats Disease vs Retinoblastoma

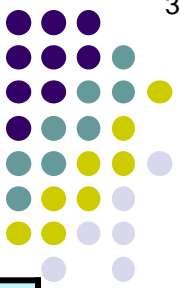
	Coats	Rb
Age (yrs) at presentation	6-8	1-2
	Can Coats occur in adulthood?	



A

Coats Disease vs Retinoblastoma

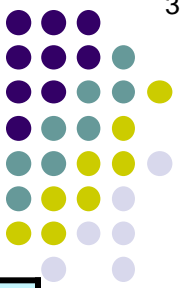
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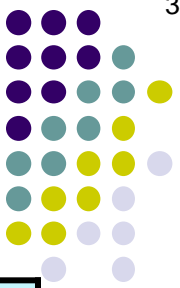
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	<p><i>Can Coats occur in adulthood?</i> Yes</p> <p><i>What is adult-onset Coats disease called?</i></p>	



A

Coats Disease vs Retinoblastoma

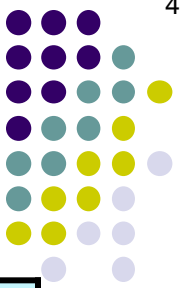
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Q

Coats Disease vs Retinoblastoma

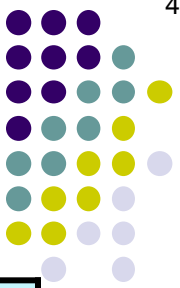
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A

Coats Disease vs Retinoblastoma

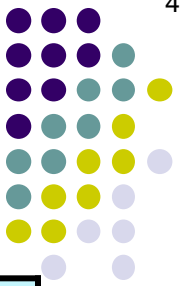
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Q

Coats Disease vs Retinoblastoma

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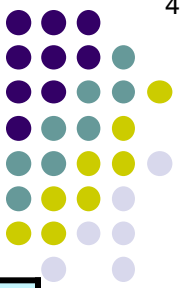
A

Coats Disease vs Retinoblastoma

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Coats Disease vs Retinoblastoma

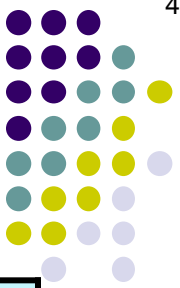
[illegible]



Q

Coats Disease vs Retinoblastoma

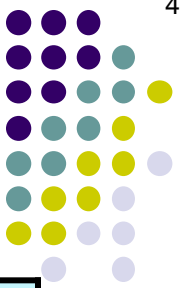
	Coats	Rb
Age (yrs) at presentation	6-8	1-2
Sex	Male in 75-85%	M = F
% unilateral	75 - 95	60
Cataract?	?	?



A

Coats Disease vs Retinoblastoma

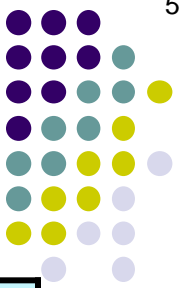
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Q

Coats Disease vs Retinoblastoma

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Cataract?	No	Only very late in advanced cases
Vitreous involvement?	?	?

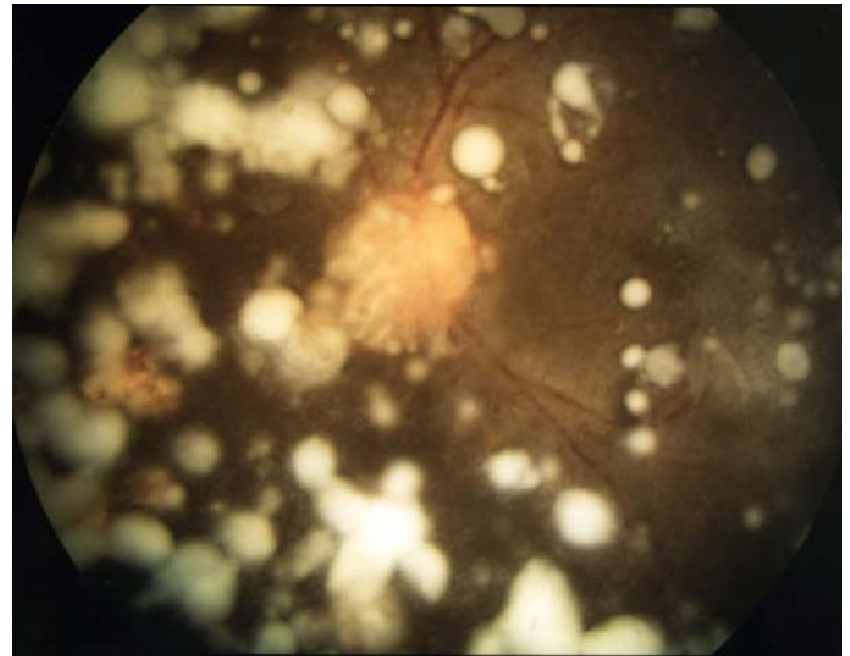
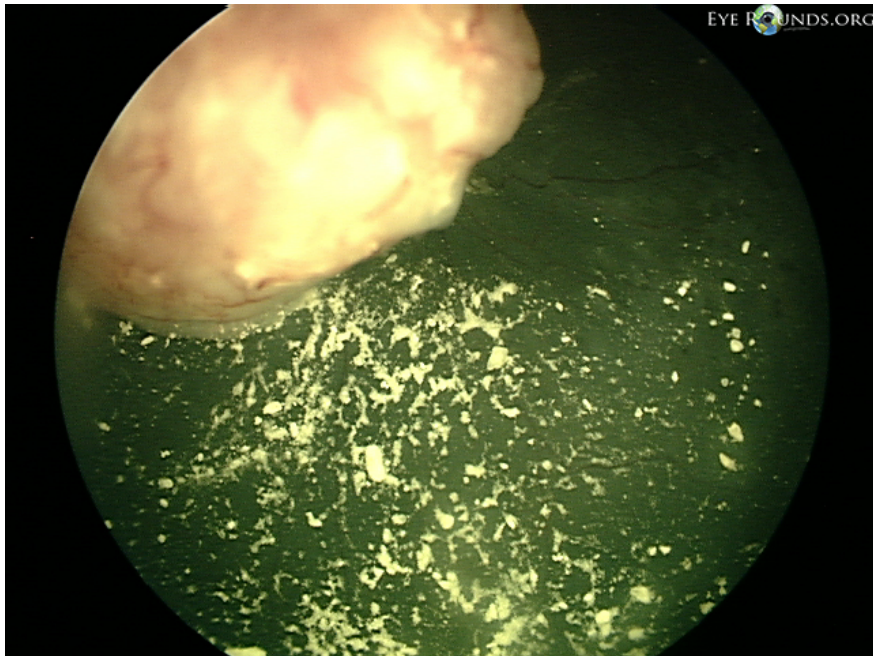
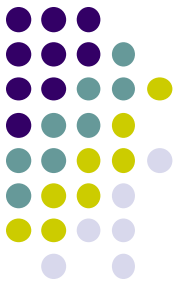


A

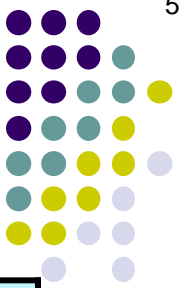
Coats Disease vs Retinoblastoma

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Coats Disease vs Retinoblastoma



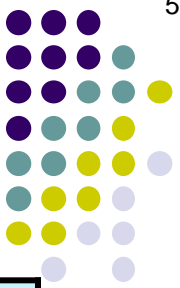
Rb: Vitreous seeding



Q

Coats Disease vs Retinoblastoma

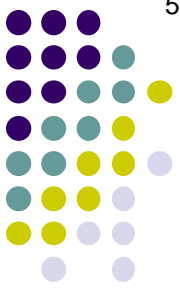
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Exudate?	?	?



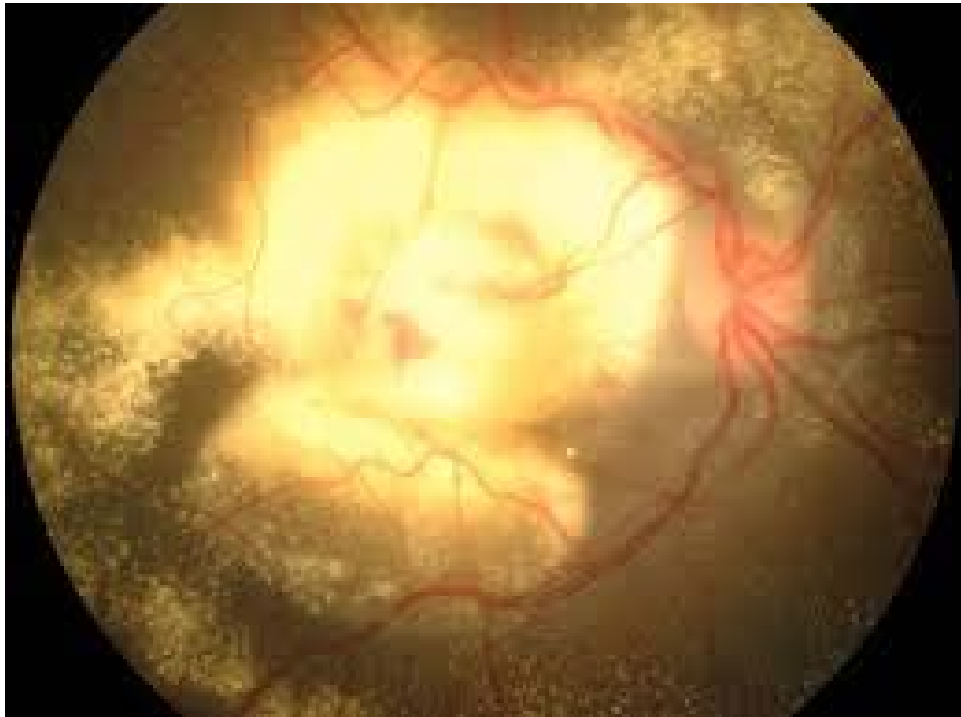
A

Coats Disease vs Retinoblastoma

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Exudate?	Yes	No



Coats Disease vs Retinoblastoma



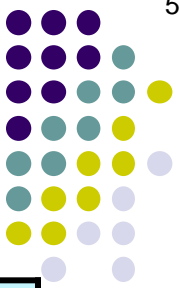
Coats disease: Exudation



Q

Coats Disease vs Retinoblastoma

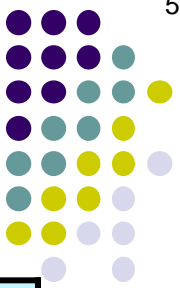
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Exudate?	Yes	No
RD?	?	?
<i>(retinal detachment)</i>		



A

Coats Disease vs Retinoblastoma

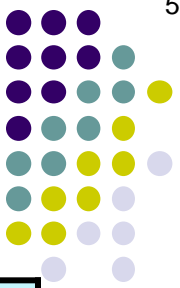
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RD?	Yes	Yes



Q

Coats Disease vs Retinoblastoma

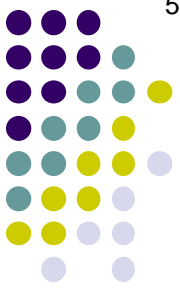
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Exudate?	Yes	No
RD?	Yes	Yes
<i>b</i> -scan of sub-RD space reveals...	?	?



A

Coats Disease vs Retinoblastoma

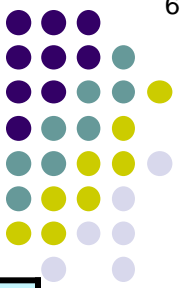
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<i>b</i> -scan of sub-RD space reveals...	No calcifications	Calcifications



Coats Disease vs Retinoblastoma



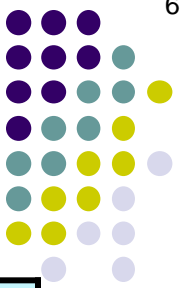
Rb: Calcifications on *b*-scan



Q

Coats Disease vs Retinoblastoma

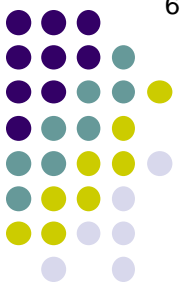
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Exudate?	Yes	No
RD?	Yes	Yes
<i>b</i> -scan of sub-RD space reveals...	No calcifications	Calcifications
CT reveals...	?	?



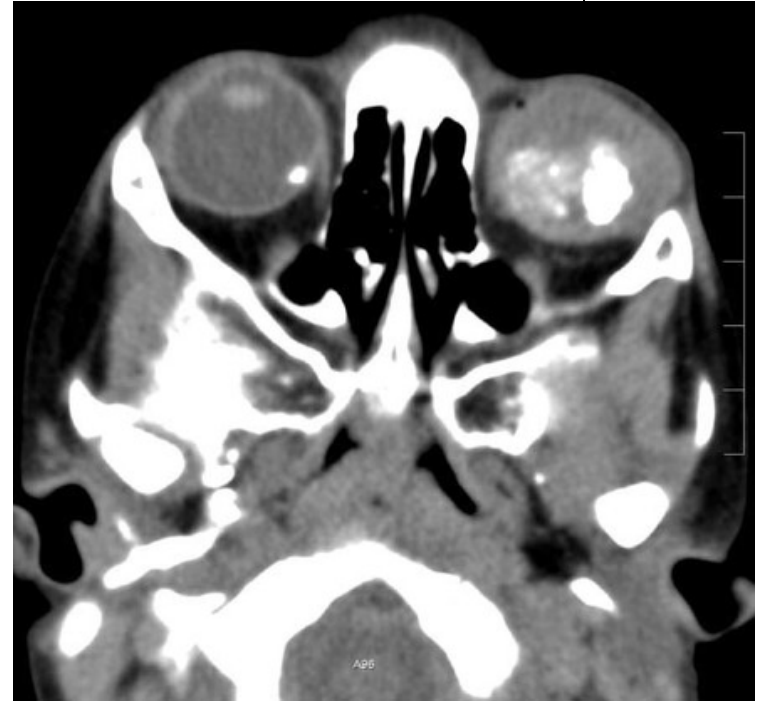
A

Coats Disease vs Retinoblastoma

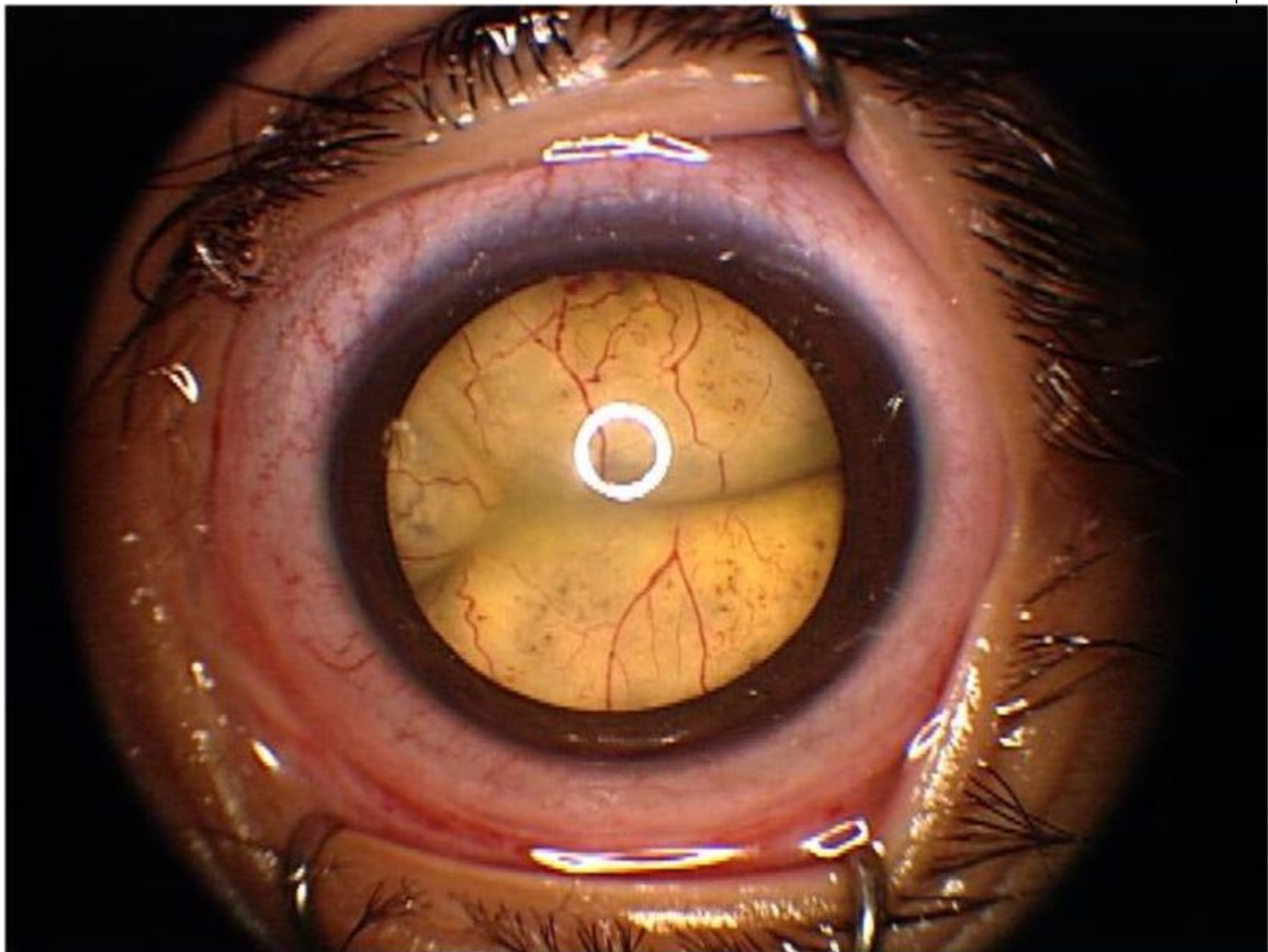
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Vitreous involvement?	No	Frequently (Seeding)
Exudate?	Yes	No
RD?	Yes	Yes
<i>b</i> -scan of sub-RD space reveals...	No calcifications	Calcifications
CT reveals...	RD	RD + Ca²⁺



Coats Disease vs Retinoblastoma

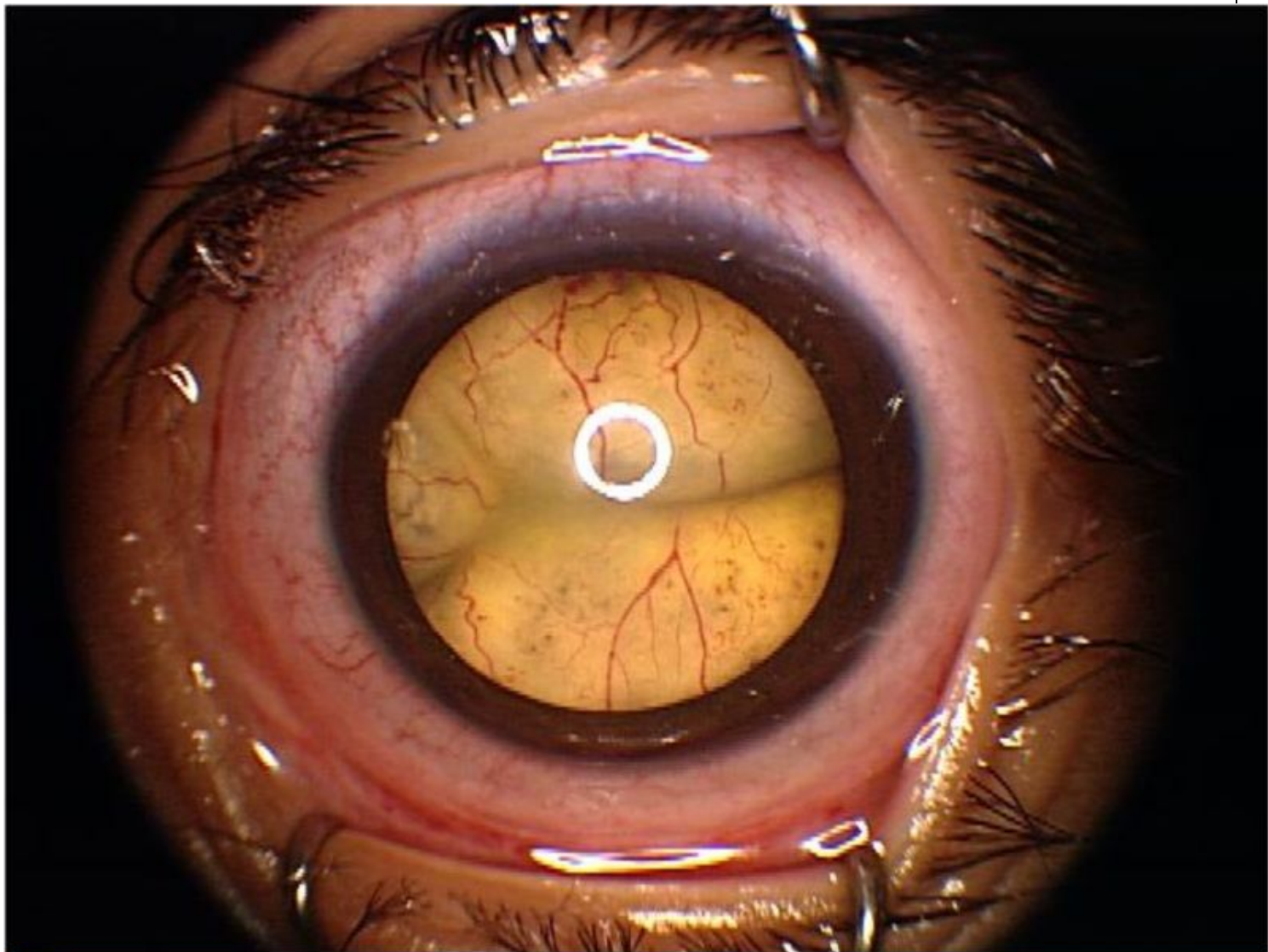


Rb: Calcifications on CT



Medscape

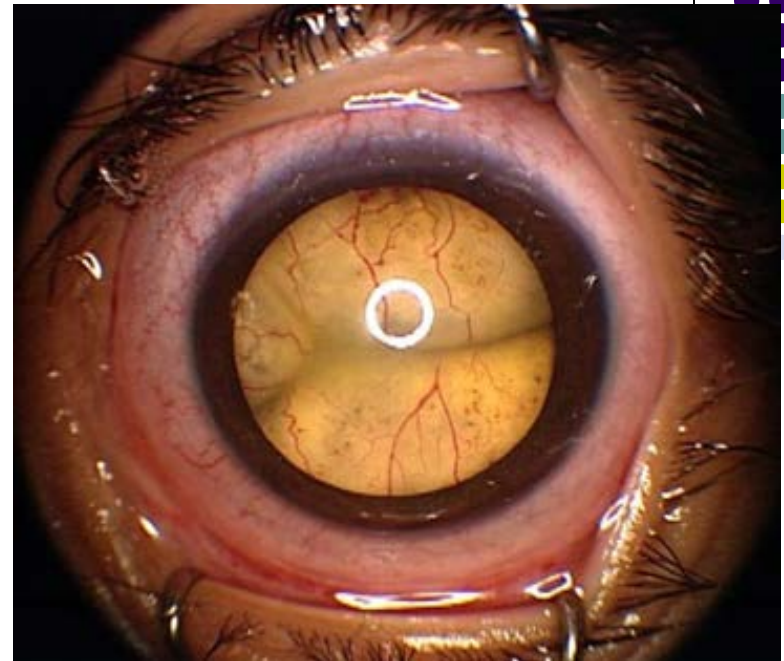
OK, quiz time. Is it Coats, or exophytic Rb?



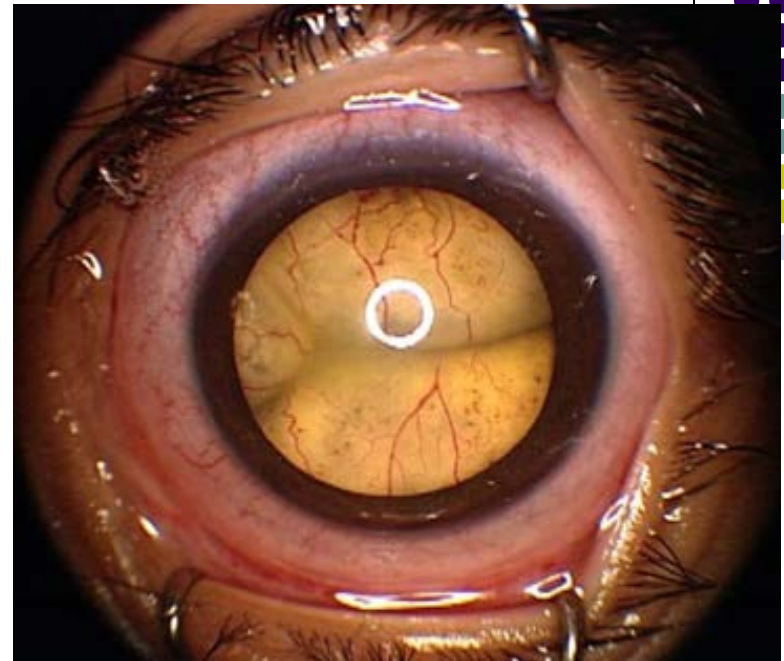
Medscape

To figure it out, look at the vasculature

In Coats, the retinal vessels are dilated, with microaneurysms and telangiectasias. (Further, the appearance often has a yellow hue.)



In Coats, the retinal vessels are dilated, with microaneurysms and telangiectasias. (Further, the appearance often has a yellow hue.)



Contrast with Rb, in which the retinal vessels are *normal* in appearance. (And the hue tends to be white.)

