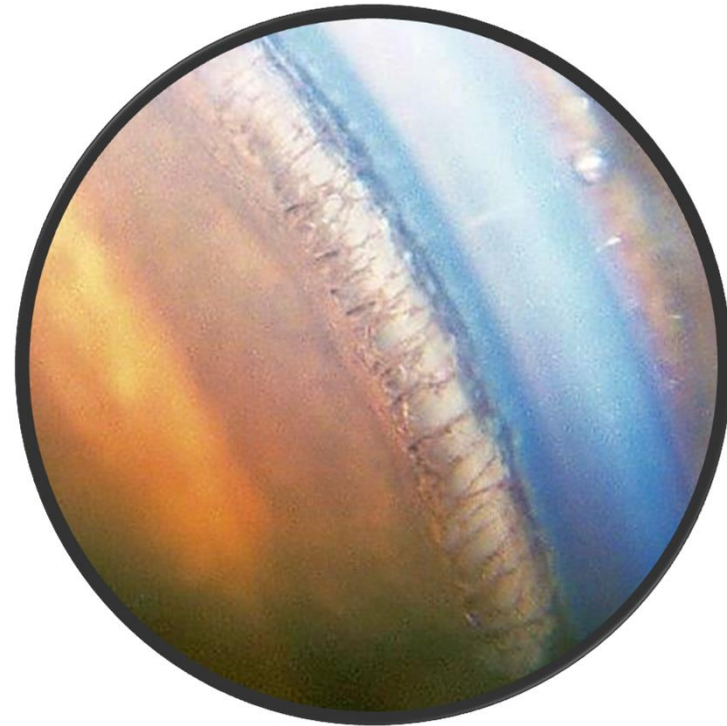


HED session Gonioscopy



Marianne Richter
ECVO Congress, Florence 2018

HED Manual: Definition & Guidelines

Two predominant types of involvement of the angle are distinguished. The pectinate ligament (PL) and the iridocorneal angle (ICA) width are evaluated by gonioscopy in its extent of 360 degrees.

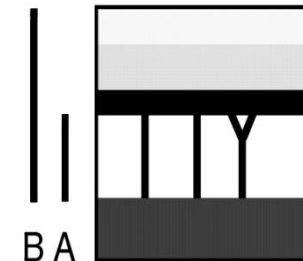
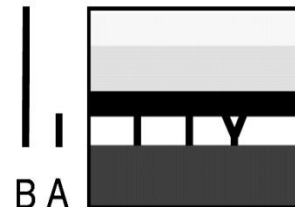
- “ **Pectinate ligament abnormality (PLA):** presumed hereditary eye disease; characterized by an abnormal PL that can be divided into 2 predominant types:
 - . Fibrae latae (FL) : fibres with a confluent (broad) base and shortened thin insertions at the cornea or thick fibres (<5 fibres)
 - . Laminae (LA): plates or sheets of continuous tissue (>5 fibres), with or without flow holes
- “ **Iridocorneal angle (ICA) width:** the width of the ICA is evaluated by comparison of the length of the pectinate ligament (A) and the distance from the origin of the pectinate ligament to the anterior surface of the cornea at the transection area (B);

Grading of ICAA

PLA

- “ 0 – 50% FL = **unaffected**
- “ >50-100% FL **and/or** < 25% LA = **affected (mild)**
- “ 25-50% LA = **affected (moderate)**
- “ > 50% LA = **affected (severe)**

ICA width



Ratio A/B:

Terminology:

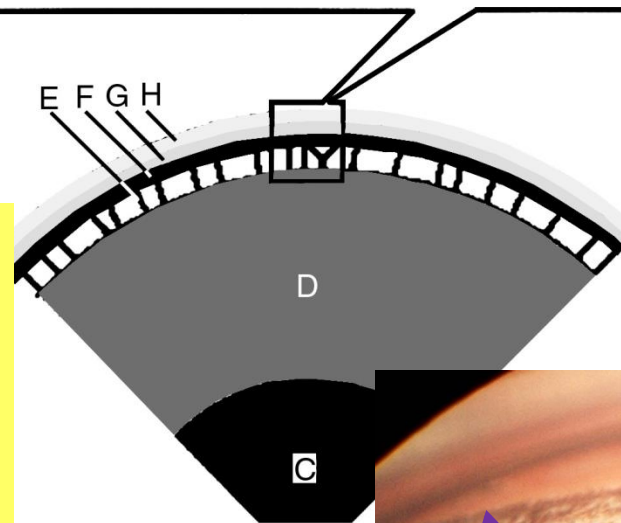
PL not visible
closed
affected (severe)

$A < 1/3$ of B
narrow
affected (moderate)

$A \geq 1/3$ of B
open
normal



| | | | |
|--------------|----------------|----------------|-------------------|
| Terminology: | closed | narrow | open |
| Ratio A/B: | PL not visible | $A < 1/3$ of B | $A \geq 1/3$ of B |



Comparison between 2 distances:

A = length of PL

B = distance from the origin of the PL to the anterior surface of the cornea at the transection area

C = Pupil

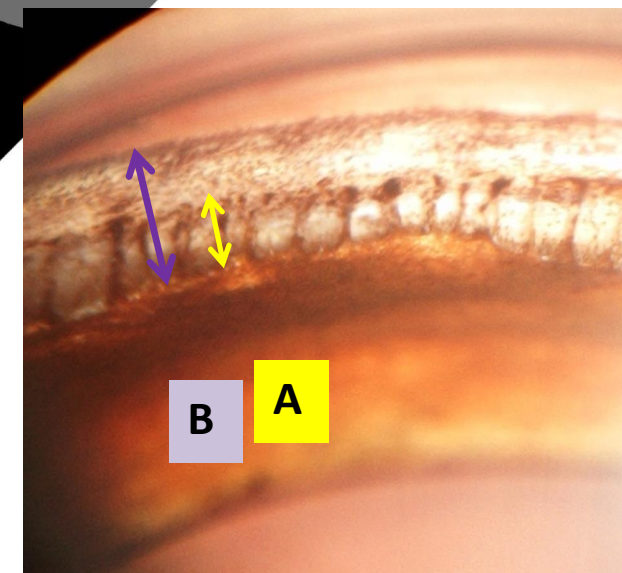
D = Iris

E = PL

F = inner/deep pigment band

G = outer/superficial pigment band

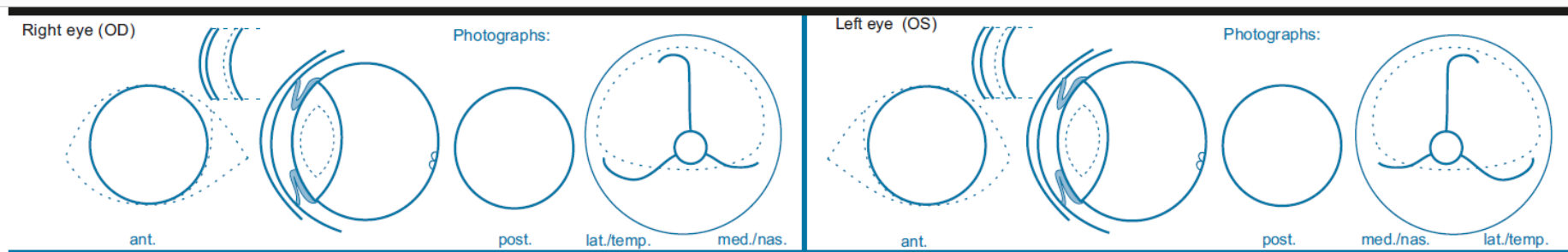
H = corneal transection



Gonioscopy: the entire ICA looks like the section on the slide



NEW CERTIFICATE



Descriptive comments:

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.....

8. ICAA: PLA mild moderate severe

ICA width narrow (moderate) closed (severe)

Eye disease no. mild severe

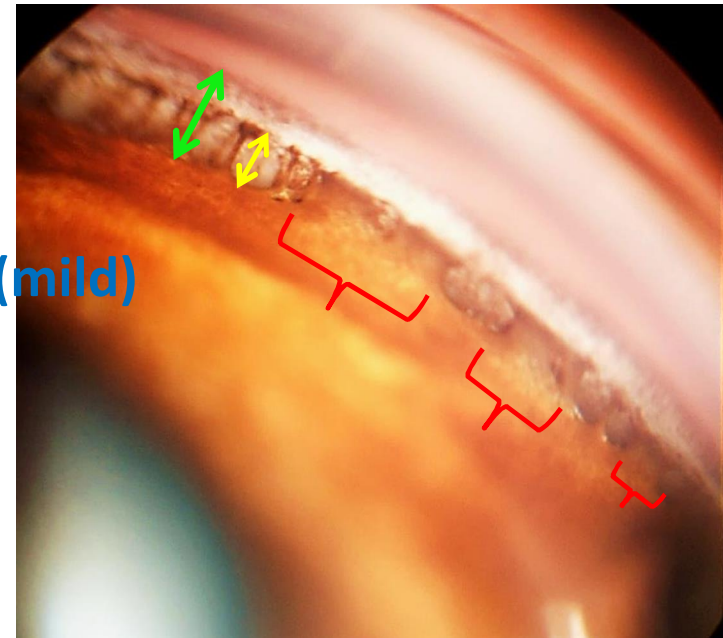
| Results for the known or presumed hereditary eye diseases (KP-HED): | | | | Results valid for 12 months | | | |
|------------------------------------------------------------------------------|--------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| | * UNAFFECTED | ** UNDETERMINED | * AFFECTED | | * UNAFFECTED | *** SUSPICIOUS | * AFFECTED |
| 1. Persistent Pupillary Membrane (PPM) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> iris <input type="checkbox"/> lens | <input type="checkbox"/> cornea <input type="checkbox"/> lamina | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Persistent Hyperpl. Tunica Vasculosa Lentis/Primary Vitreous (PHTVL/PHPV) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> grade 1 <input type="checkbox"/> grade 2-6 | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Cataract (congenital) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Retinal Dysplasia (RD) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> (multi)focal <input type="checkbox"/> geographical <input type="checkbox"/> total | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Hypoplastic-/Micro-papilla | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Collie Eye Anomaly (CEA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> choroid. hypoplasia <input type="checkbox"/> coloboma <input type="checkbox"/> other: | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. IridoCorneal Angle Abnormality. (ICAA) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> mild <input checked="" type="checkbox"/> moderate <input type="checkbox"/> severe | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Entropion/Trichiasis | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. Ectropion/Macroblepharon | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 13. Distichiasis /Ectopic cilia | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 14. Corneal dystrophy | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 15. Cataract (non-congenital) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 16. Lens luxation (primary) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 17. Retinal degeneration (PRA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 18. Other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Interpretation

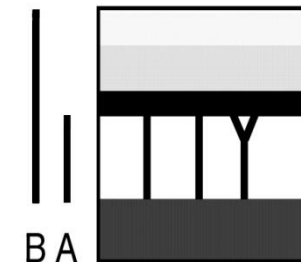
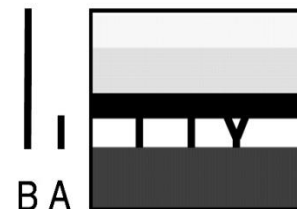
Grading of ICAA

PLA

- ” 0 – 50% FL = **unaffected**
- ” >50-100% FL **and/or** < 25% LA = **affected (mild)**
- ” 25-50% LA = **affected (moderate)** ✓
- ” > 50% LA = **affected (severe)**



ICA width



Ratio A/B:

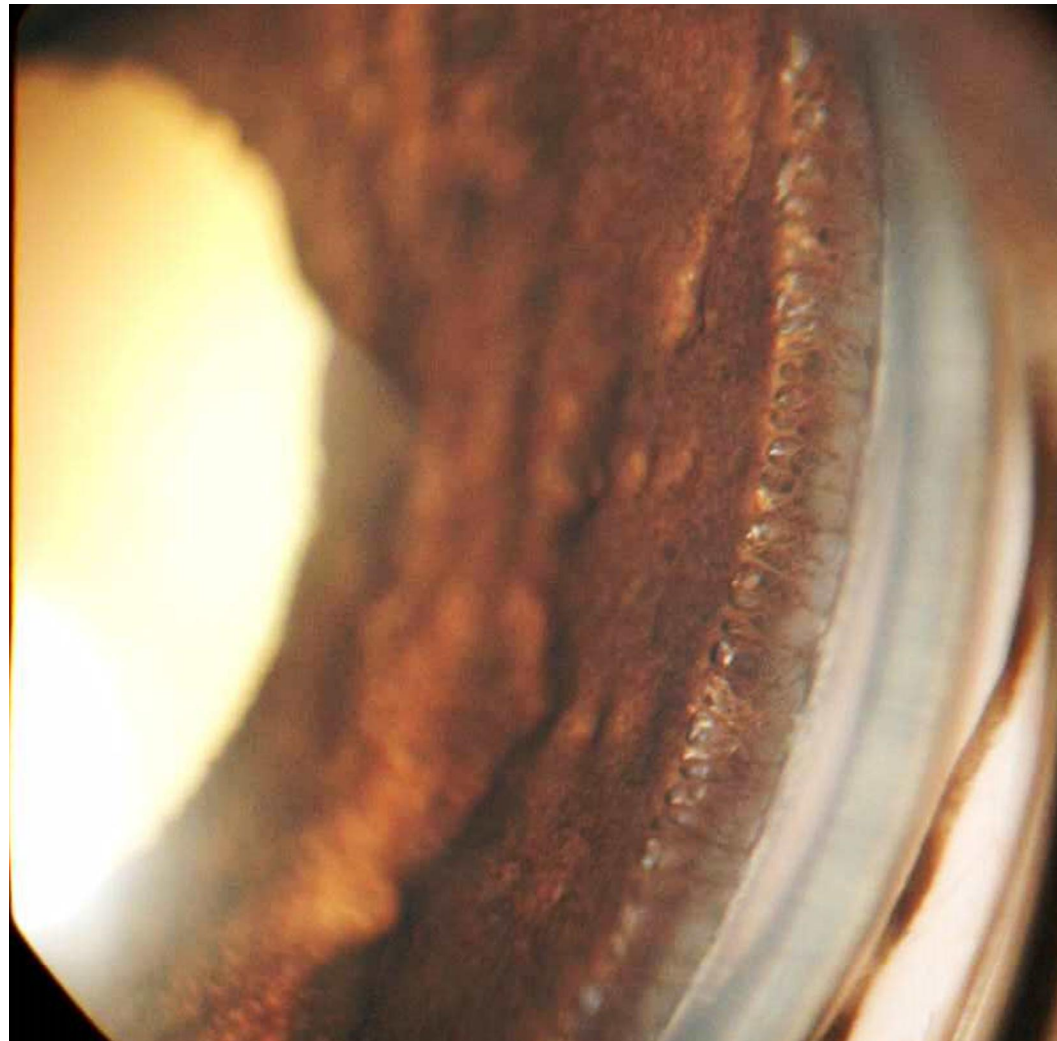
Terminology:

PL not visible
closed
affected (severe)

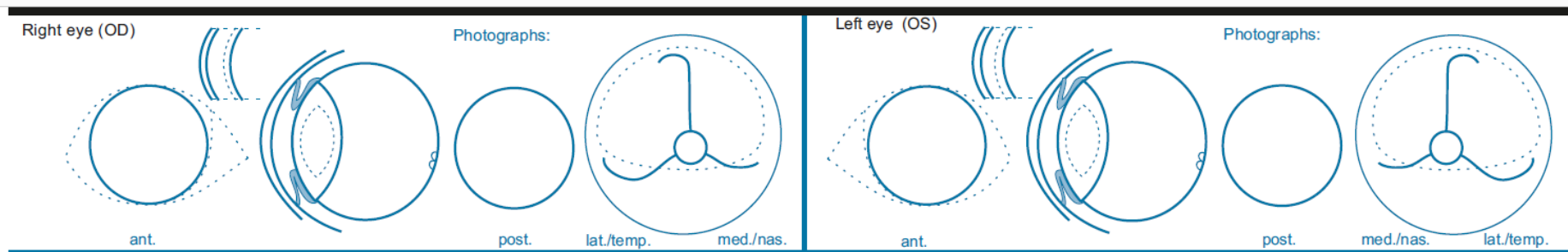
A < 1/3 of B
narrow
affected (moderate)

A ≥ 1/3 of B
open ✓
normal

Gonioscopy: the entire ICA looks like the section on the slide



NEW CERTIFICATE



Descriptive comments:

.....

.....

8. ICAA: PLA mild moderate severe

ICA width narrow (moderate) closed (severe)

Eye disease no. mild severe

| Results for the known or presumed hereditary eye diseases (KP-HED): | | | | Results valid for 12 months | | | |
|------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | * UNAFFECTED | ** UNDETERMINED | * AFFECTED | | * UNAFFECTED | *** SUSPICIOUS | * AFFECTED |
| 1. Persistent Pupillary Membrane (PPM) | <input type="checkbox"/> | <input type="checkbox"/> | <div style="display: flex; align-items: center;"> <div style="margin-right: 5px;"> <input type="checkbox"/> iris <input type="checkbox"/> lens </div> <div style="margin-left: 10px;"> <input type="checkbox"/> cornea <input type="checkbox"/> lamina </div> </div> | 11. Entropion/Trichiasis | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Persistent Hyperpl. Tunica Vasculosa Lentis/Primary Vitreous (PHTVL/PHPV) | <input type="checkbox"/> | <input type="checkbox"/> | <div style="display: flex; align-items: center;"> <div style="margin-right: 5px;"> <input type="checkbox"/> grade 1 <input type="checkbox"/> grade 2-6 </div> </div> | 12. Ectropion/Macroblepharon | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Cataract (congenital) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 13. Distichiasis /Ectopic cilia | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Retinal Dysplasia (RD) | <input type="checkbox"/> | <input type="checkbox"/> | <div style="display: flex; align-items: center;"> <div style="margin-right: 5px;"> <input type="checkbox"/> (multi)focal <input type="checkbox"/> geographical <input type="checkbox"/> total </div> </div> | 14. Corneal dystrophy | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> cortical <input type="checkbox"/> post. pol. <input type="checkbox"/> ant. sut. l. <input type="checkbox"/> punctata <input type="checkbox"/> nucleus <input type="checkbox"/> other |
| 5. Hypoplastic-/Micro-papilla | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 15. Cataract (non-congenital) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Collie Eye Anomaly (CEA) | <input type="checkbox"/> | <input type="checkbox"/> | <div style="display: flex; align-items: center;"> <div style="margin-right: 5px;"> <input type="checkbox"/> choroid. hypoplasia <input type="checkbox"/> coloboma <input type="checkbox"/> other: </div> </div> | 16. Lens luxation (primary) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 17. Retinal degeneration (PRA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. IridoCorneal Angle Abnormality. (ICAA) X | <input type="checkbox"/> | <input type="checkbox"/> | <div style="display: flex; align-items: center;"> <div style="margin-right: 5px;"> <input type="checkbox"/> mild <input type="checkbox"/> moderate <input type="checkbox"/> severe </div> </div> | 18. Other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

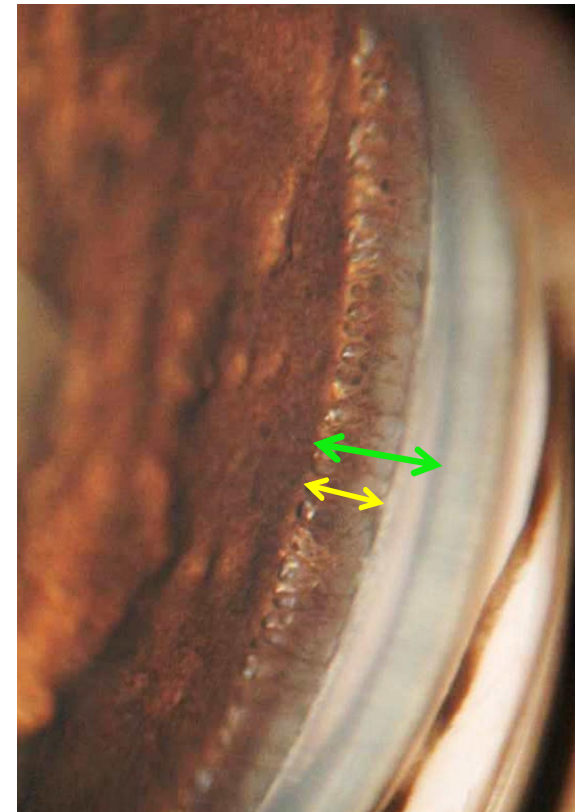
Interpretation

Grading of ICAA

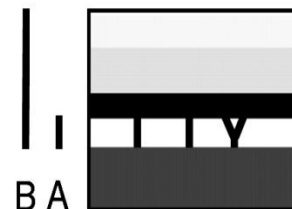
PLA

- ” 0 – 50% FL ✓ **unaffected**
- ” >50-100% FL **and/or** < 25% LA = **affected (mild)**
- ” 25-50% LA = **affected (moderate)**
- ” > 50% LA = **affected (severe)**

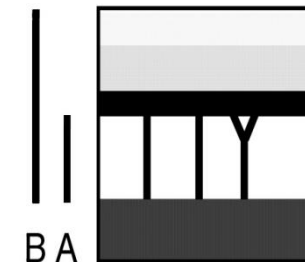
ICA width



Ratio A/B:
Terminology:
PL not visible
closed
affected (severe)



Ratio A/B:
Terminology:
 $A < 1/3$ of B
narrow
affected (moderate)

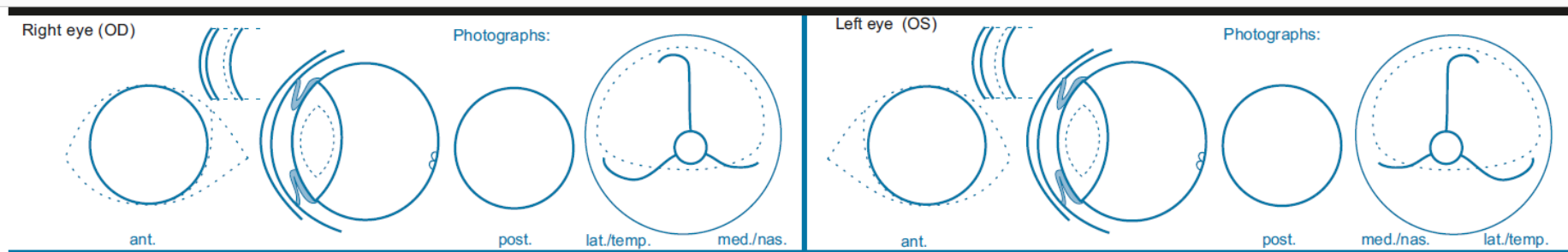


Ratio A/B:
Terminology:
 $A \geq 1/3$ of B
open ✓
normal

Gonioscopy: the slide shows a **single abnormal area**, the rest of the ICA looks normal.



NEW CERTIFICATE



Descriptive comments:

.....

.....

8. ICAA: PLA mild moderate severe

ICA width narrow (moderate) closed (severe)

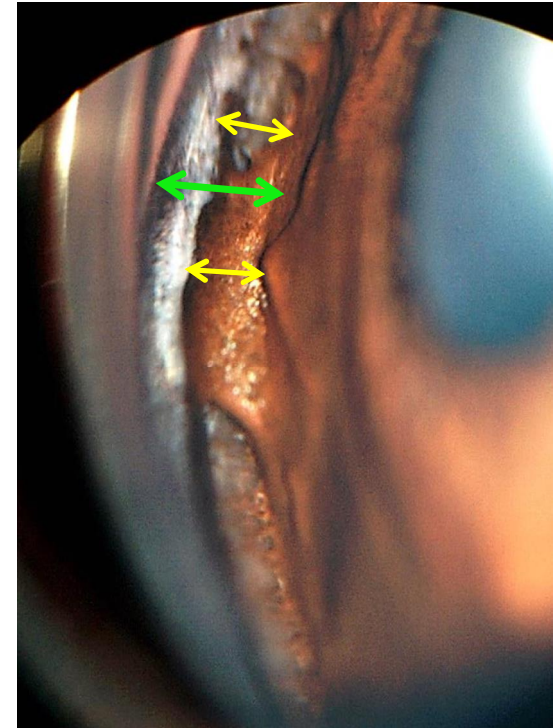
Eye disease no. mild severe

| Results for the known or presumed hereditary eye diseases (KP-HED): | | | | Results valid for 12 months | | | |
|------------------------------------------------------------------------------|--------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | * UNAFFECTED | ** UNDETERMINED | * AFFECTED | * UNAFFECTED | *** SUSPICIOUS | * AFFECTED | |
| 1. Persistent Pupillary Membrane (PPM) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> iris <input type="checkbox"/> lens | <input type="checkbox"/> cornea <input type="checkbox"/> lamina | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Persistent Hyperpl. Tunica Vasculosa Lentis/Primary Vitreous (PHTVL/PHPV) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> grade 1 <input type="checkbox"/> grade 2-6 | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Cataract (congenital) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Retinal Dysplasia (RD) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> (multi)focal <input type="checkbox"/> geographical <input type="checkbox"/> total | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Hypoplastic-/Micro-papilla | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Collie Eye Anomaly (CEA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> choroid. hypoplasia <input type="checkbox"/> coloboma <input type="checkbox"/> other: | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. IridoCorneal Angle Abnormality. (ICAA) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> mild <input type="checkbox"/> moderate <input type="checkbox"/> severe | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Interpretation | | | | | | | |
| 11. Entropion/Trichiasis | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. Ectropion/Macroblepharon | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 13. Distichiasis /Ectopic cilia | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 14. Corneal dystrophy | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> cortical <input type="checkbox"/> post. pol. <input type="checkbox"/> ant. sut. l. <input type="checkbox"/> punctata <input type="checkbox"/> nucleus <input type="checkbox"/> other |
| 15. Cataract (non-congenital) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 16. Lens luxation (primary) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 17. Retinal degeneration (PRA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 18. Other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Grading of ICAA

PLA

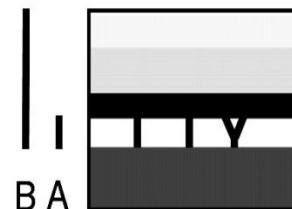
- “ 0 – 50% FL = **unaffected**
- “ >50-100% FL **and/or** < 25% LA = **affected (mild)** ✓
- “ 25-50% LA = **affected (moderate)**
- “ > 50% LA = **affected (severe)**



ICA width



Ratio A/B:
Terminology:
PL not visible
closed
affected (severe)

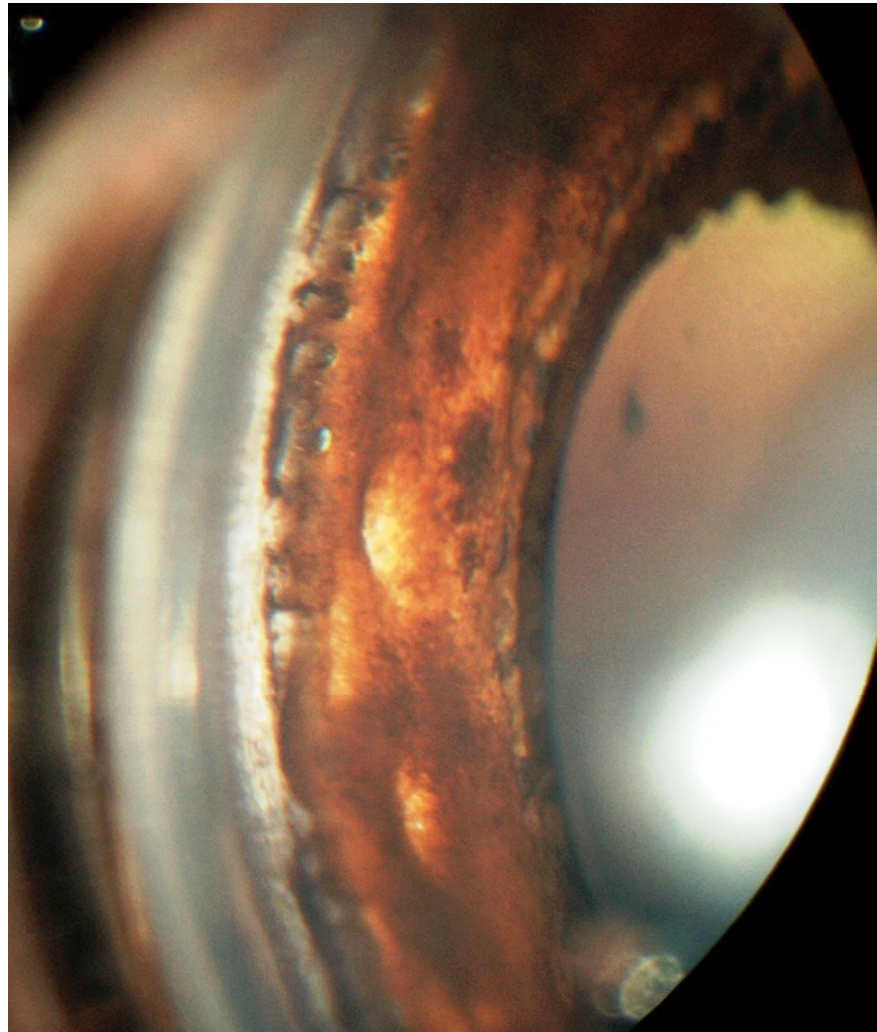


Ratio A/B:
Terminology:
A < 1/3 of B
narrow
affected (moderate)

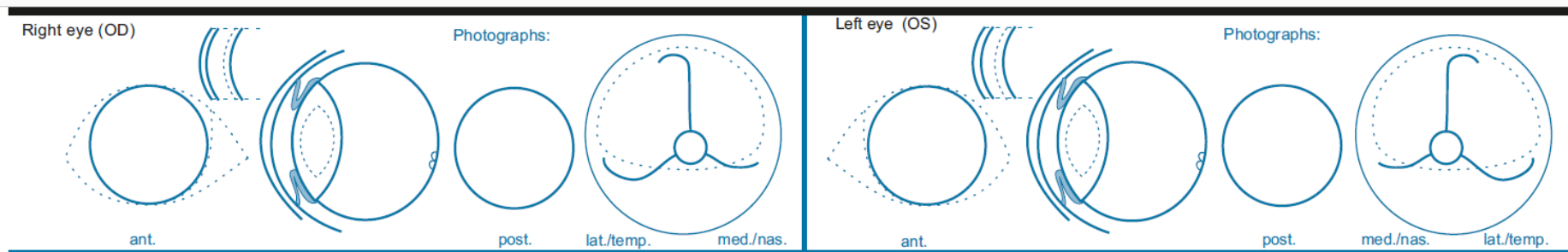


Ratio A/B:
Terminology:
A ≥ 1/3 of B
open ✓
normal

Gonioscopy: the entire ICA looks like the section on the slide



NEW CERTIFICATE



Descriptive comments:

.....

.....

8. ICAA: PLA mild moderate severe

ICA width narrow (moderate) closed (severe)

Eye disease no. mild severe

| Results for the known or presumed hereditary eye diseases (KP-HED): | | | | Results valid for 12 months | | | |
|------------------------------------------------------------------------------|--------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | * UNAFFECTED | ** UNDETERMINED | * AFFECTED | * UNAFFECTED | *** SUSPICIOUS | * AFFECTED | |
| 1. Persistent Pupillary Membrane (PPM) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> iris lens | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> cornea <input type="checkbox"/> lamina |
| 2. Persistent Hyperpl. Tunica Vasculosa Lentis/Primary Vitreous (PHTVL/PHPV) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> grade 1 <input type="checkbox"/> grade 2-6 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 3. Cataract (congenital) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 4. Retinal Dysplasia (RD) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> (multi)focal <input type="checkbox"/> geographical <input type="checkbox"/> total | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 5. Hypoplastic-/Micro-papilla | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 6. Collie Eye Anomaly (CEA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> choroid. hypoplasia <input type="checkbox"/> coloboma <input type="checkbox"/> other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> cortical <input type="checkbox"/> post. pol. <input type="checkbox"/> ant. sut. l. <input type="checkbox"/> punctata <input type="checkbox"/> nucleus <input type="checkbox"/> other |
| 7. Other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 8. IridoCorneal Angle Abnormality. (ICAA) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> mild <input checked="" type="checkbox"/> moderate <input type="checkbox"/> severe | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 11. Entropion/Trichiasis | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 12. Ectropion/Macroblepharon | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 13. Distichiasis /Ectopic cilia | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 14. Corneal dystrophy | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 15. Cataract (non-congenital) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 16. Lens luxation (primary) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 17. Retinal degeneration (PRA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| 18. Other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

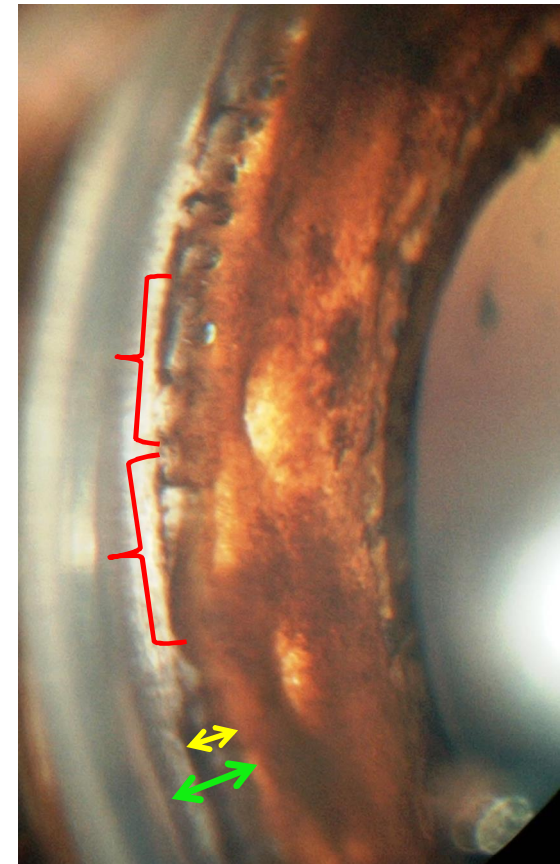
Interpretation

Grading of ICAA

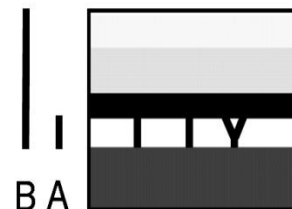
PLA

- ” 0 – 50% FL = **unaffected**
- ” >50-100% FL **and/or** < 25% LA = **affected (mild)**
- ” 25-50% LA **✓affected (moderate)**
- ” > 50% LA = **affected (severe)**

ICA width



Ratio A/B:
Terminology:
PL not visible
closed
affected (severe)

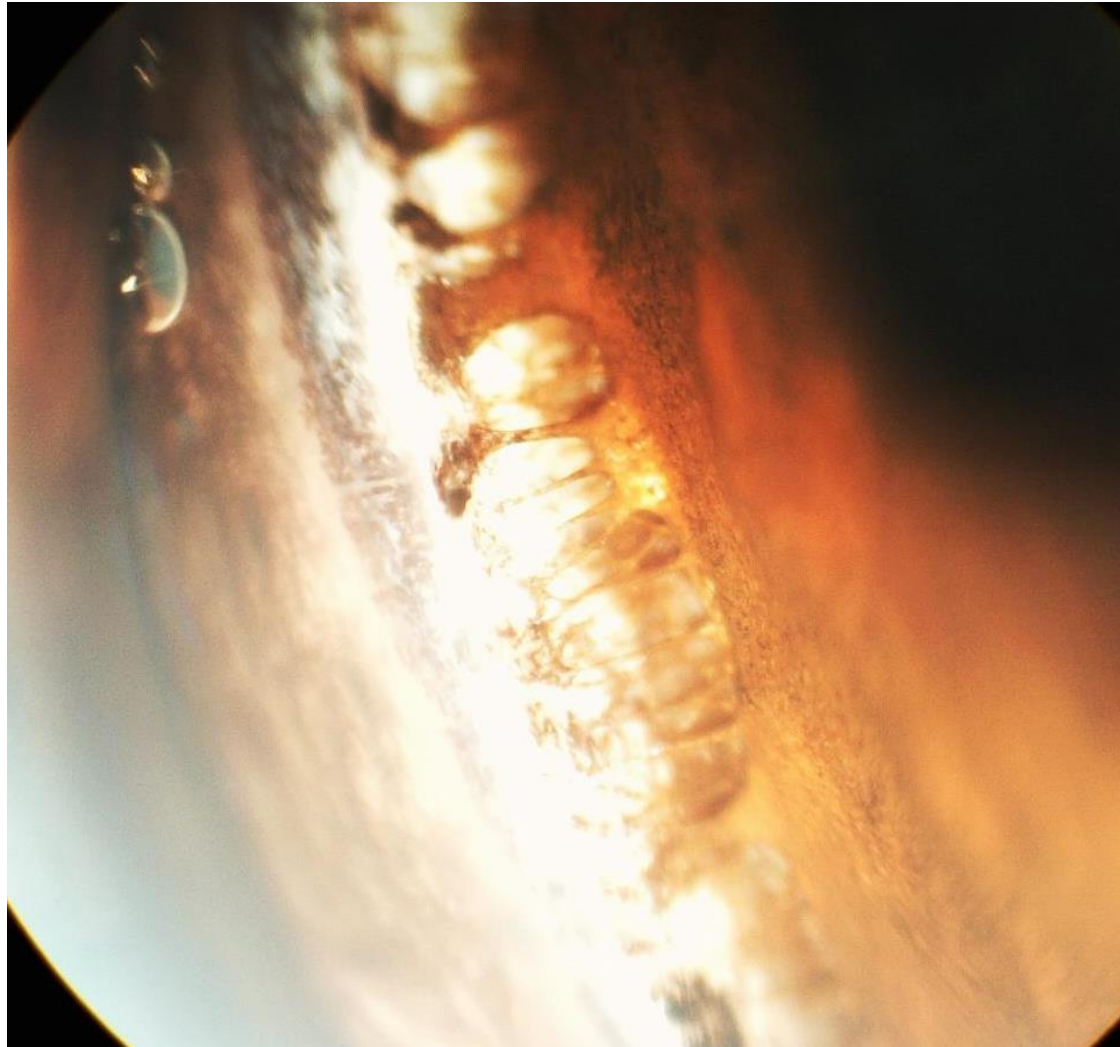


Ratio A/B:
Terminology:
A < 1/3 of B
narrow
affected (moderate)

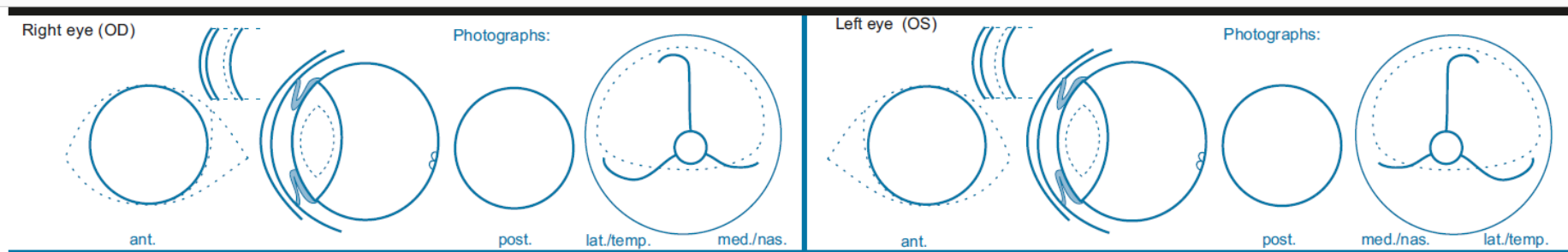


Ratio A/B:
Terminology:
A ≥ 1/3 of B
open ✓
normal

Gonioscopy: the entire ICA looks like the section on the slide



NEW CERTIFICATE



Descriptive comments:

.....

.....

8. ICAA: PLA mild moderate severe

ICA width narrow (moderate) closed (severe)

Eye disease no. mild severe

| Results for the known or presumed hereditary eye diseases (KP-HED): | | | |
|------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| | UNAFFECTED * | UNDETERMINED ** | AFFECTED * |
| 1. Persistent Pupillary Membrane (PPM) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> iris <input type="checkbox"/> cornea <input type="checkbox"/> lens <input type="checkbox"/> lamina |
| 2. Persistent Hyperpl. Tunica Vasculosa Lentis/Primary Vitreous (PHTVL/PHPV) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> grade 1 <input type="checkbox"/> grade 2-6 |
| 3. Cataract (congenital) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Retinal Dysplasia (RD) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> (multi)focal <input type="checkbox"/> geographical <input type="checkbox"/> total |
| 5. Hypoplastic-/Micro-papilla | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Collie Eye Anomaly (CEA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> choroid. hypoplasia <input type="checkbox"/> coloboma <input type="checkbox"/> other: |
| 7. Other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. IridoCorneal Angle Abnormality. (ICAA) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> mild <input type="checkbox"/> moderate <input type="checkbox"/> severe |

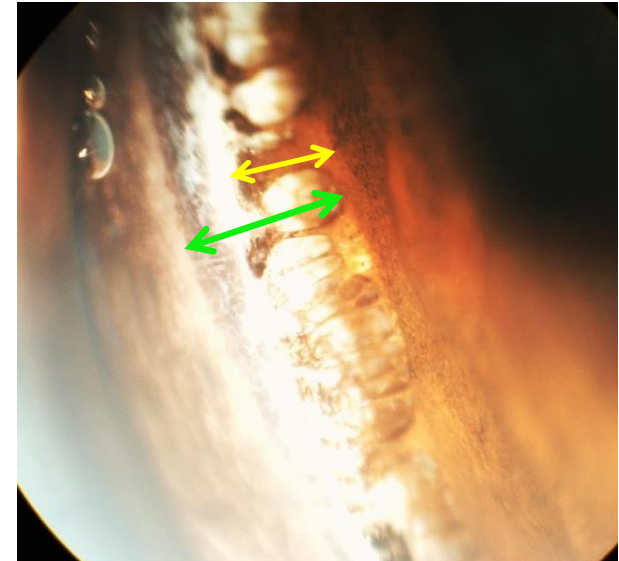
| Results valid for 12 months | | | |
|---------------------------------|--------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------|
| | UNAFFECTED * | SUSPICIOUS *** | AFFECTED * |
| 11. Entropion/Trichiasis | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. Ectropion/Macroblepharon | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 13. Distichiasis /Ectopic cilia | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 14. Corneal dystrophy | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> cortical <input type="checkbox"/> post. pol. <input type="checkbox"/> ant. sut. l. |
| 15. Cataract (non-congenital) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> punctata <input type="checkbox"/> nucleus <input type="checkbox"/> other |
| 16. Lens luxation (primary) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 17. Retinal degeneration (PRA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 18. Other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Interpretation

Grading of ICAA

PLA

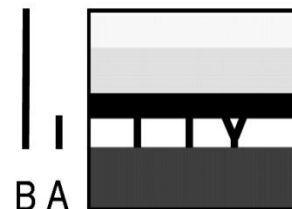
- ” 0 – 50% FL ✓ **unaffected**
- ” >50-100% FL **and/or** < 25% LA = **affected (mild)**
- ” 25-50% LA = **affected (moderate)**
- ” > 50% LA = **affected (severe)**



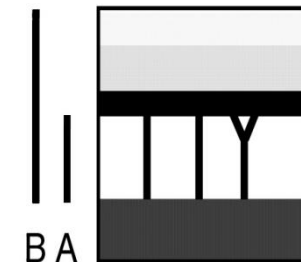
ICA width



Ratio A/B:
Terminology:
PL not visible
closed
affected (severe)

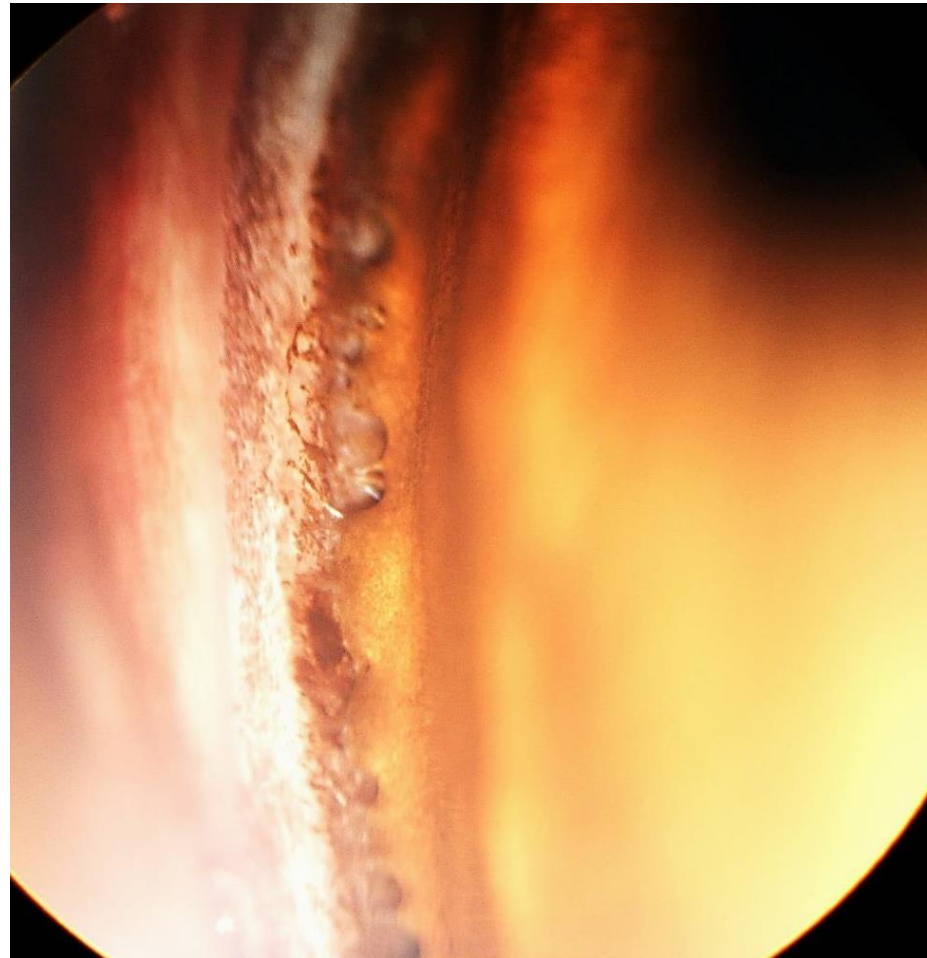


A < 1/3 of B
narrow
affected (moderate)

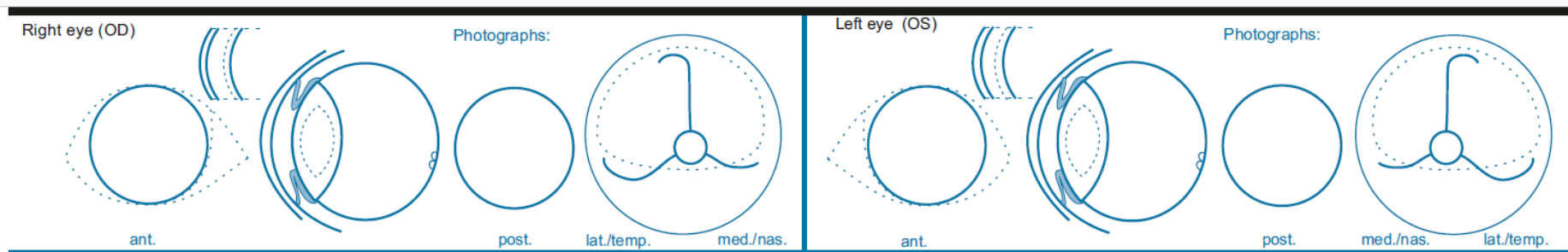


A ≥ 1/3 of B
open ✓
normal

Gonioscopy: the entire ICA looks like the section on the slide



NEW CERTIFICATE



Descriptive comments:

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8. ICAA: PLA mild moderate severe

ICA width narrow (moderate) closed (severe)

Eye disease no. mild severe

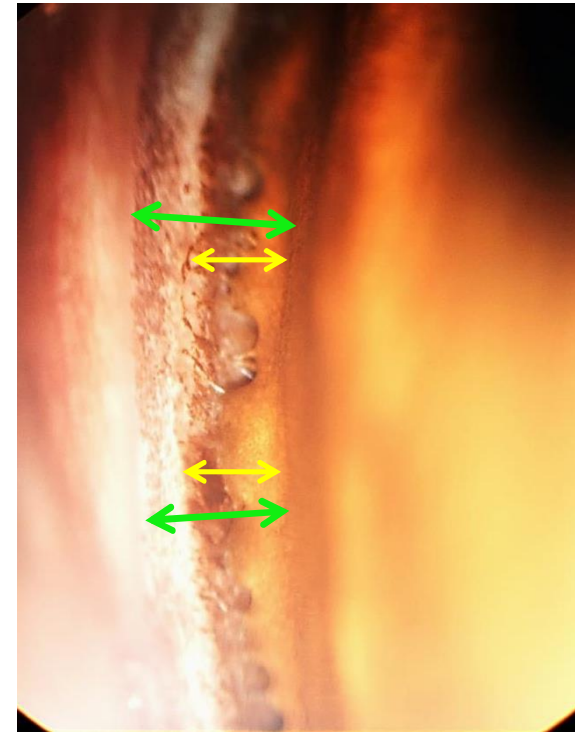
| Results for the known or presumed hereditary eye diseases (KP-HED): | | | | Results valid for 12 months | | | |
|------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | * UNAFFECTED | ** UNDETERMINED | * AFFECTED | | * UNAFFECTED | *** SUSPICIOUS | * AFFECTED |
| 1. Persistent Pupillary Membrane (PPM) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> iris <input type="checkbox"/> lens <input type="checkbox"/> cornea <input type="checkbox"/> lamina | 11. Entropion/Trichiasis | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Persistent Hyperpl. Tunica Vasculosa Lentis/Primary Vitreous (PHTVL/PHPV) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> grade 1 <input type="checkbox"/> grade 2-6 | 12. Ectropion/Macroblepharon | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Cataract (congenital) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 13. Distichiasis /Ectopic cilia | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Retinal Dysplasia (RD) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> (multi)focal <input type="checkbox"/> geographical <input type="checkbox"/> total | 14. Corneal dystrophy | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> cortical <input type="checkbox"/> post. pol. <input type="checkbox"/> ant. sut. l. <input type="checkbox"/> punctata <input type="checkbox"/> nucleus <input type="checkbox"/> other |
| 5. Hypoplastic-/Micro-papilla | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 15. Cataract (non-congenital) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Collie Eye Anomaly (CEA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> choroid. hypoplasia <input type="checkbox"/> coloboma <input type="checkbox"/> other: | 16. Lens luxation (primary) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 17. Retinal degeneration (PRA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. IridoCorneal Angle Abnormality. (ICAA) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> mild <input type="checkbox"/> moderate <input checked="" type="checkbox"/> severe | 18. Other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Interpretation

Grading of ICAA

PLA

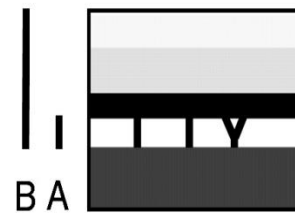
- “ 0 – 50% FL = **unaffected**
- “ >50-100% FL **and/or** < 25% LA = **affected (mild)**
- “ 25-50% LA = **affected (moderate)**
- “ > 50% LA **✓ affected (severe)**



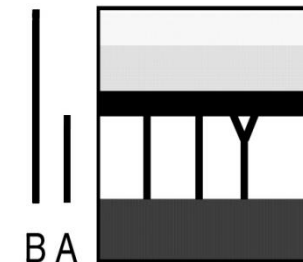
ICA width



Ratio A/B:
Terminology:
PL not visible
closed
affected (severe)



Ratio A/B:
Terminology:
 $A < 1/3$ of B
narrow
affected (moderate)

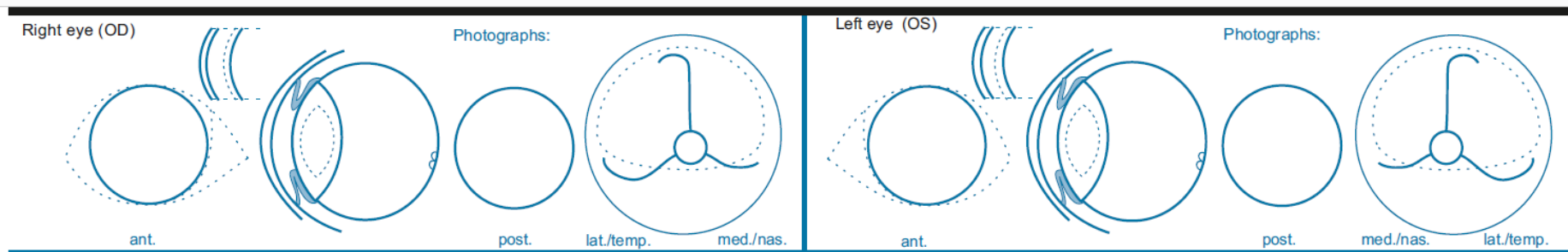


Ratio A/B:
Terminology:
 $A \geq 1/3$ of B
open **✓**
normal

Gonioscopy: the entire ICA looks like the section on the slide



NEW CERTIFICATE



Descriptive comments:

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8. ICAA: PLA mild moderate severe

ICA width narrow (moderate) closed (severe)

Eye disease no. mild severe

| Results for the known or presumed hereditary eye diseases (KP-HED): | | | | Results valid for 12 months | | | |
|------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| | * UNAFFECTED | ** UNDETERMINED | * AFFECTED | | * UNAFFECTED | *** SUSPICIOUS | * AFFECTED |
| 1. Persistent Pupillary Membrane (PPM) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> iris <input type="checkbox"/> lens | <input type="checkbox"/> cornea <input type="checkbox"/> lamina | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Persistent Hyperpl. Tunica Vasculosa Lentis/Primary Vitreous (PHTVL/PHPV) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> grade 1 <input type="checkbox"/> grade 2-6 | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Cataract (congenital) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Retinal Dysplasia (RD) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> (multi)focal <input type="checkbox"/> geographical <input type="checkbox"/> total | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Hypoplastic-/Micro-papilla | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Collie Eye Anomaly (CEA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> choroid. hypoplasia <input type="checkbox"/> coloboma <input type="checkbox"/> other: | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. IridoCorneal Angle Abnormality. (ICAA) X | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> mild <input type="checkbox"/> moderate <input type="checkbox"/> severe | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | 11. Entropion/Trichiasis | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | 12. Ectropion/Macroblepharon | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | 13. Distichiasis /Ectopic cilia | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | 14. Corneal dystrophy | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | 15. Cataract (non-congenital) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | 16. Lens luxation (primary) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | 17. Retinal degeneration (PRA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | 18. Other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Interpretation

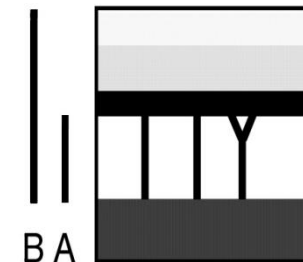
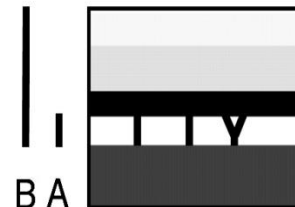
Grading of ICAA

PLA

- “ 0 – 50% FL ✓ = **unaffected**
- “ >50-100% FL **and/or** < 25% LA = **affected (mild)**
- “ 25-50% LA = **affected (moderate)**
- “ > 50% LA = **affected (severe)**



ICA width



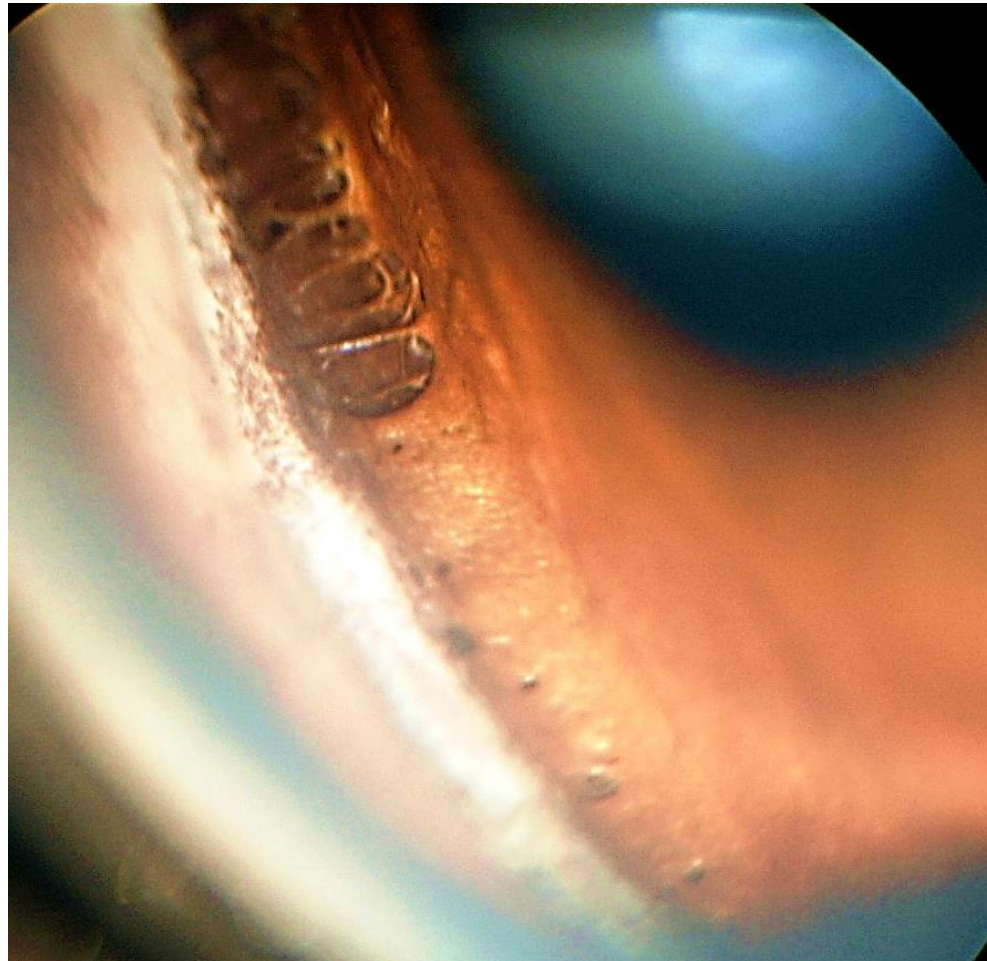
Ratio A/B:
Terminology:

PL not visible
closed
affected (severe)

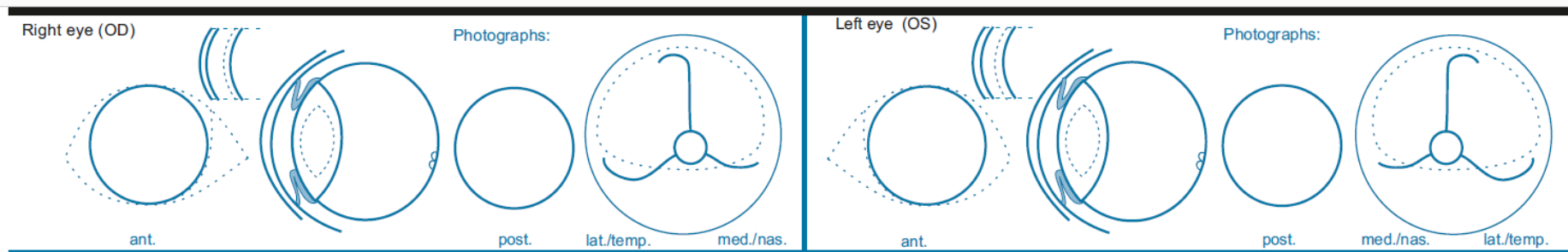
A < 1/3 of B
narrow
affected (moderate)

A ≥ 1/3 of B
open ✓
normal

Gonioscopy: the entire ICA looks like the section on the slide



NEW CERTIFICATE



Descriptive comments:

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8. ICAA: PLA mild moderate severe

ICA width narrow (moderate) closed (severe)

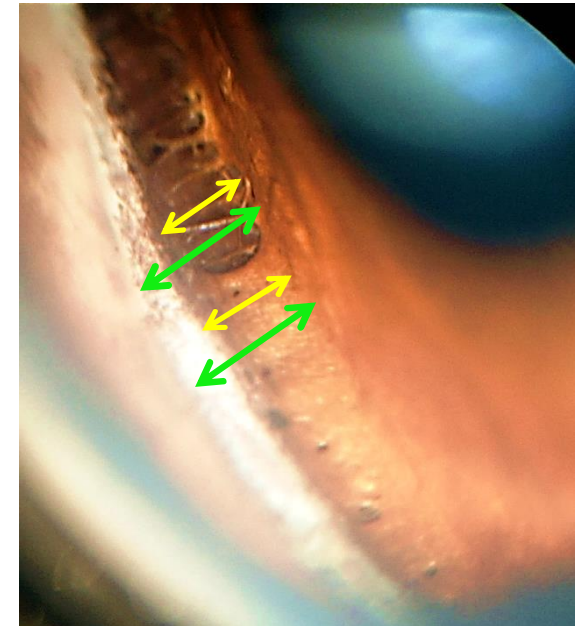
Eye disease no. mild severe

| Results for the known or presumed hereditary eye diseases (KP-HED): | | | | Results valid for 12 months | | | |
|------------------------------------------------------------------------------|--------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| | * UNAFFECTED | ** UNDETERMINED | * AFFECTED | | * UNAFFECTED | *** SUSPICIOUS | * AFFECTED |
| 1. Persistent Pupillary Membrane (PPM) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> iris <input type="checkbox"/> lens | <input type="checkbox"/> cornea <input type="checkbox"/> lamina | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Persistent Hyperpl. Tunica Vasculosa Lentis/Primary Vitreous (PHTVL/PHPV) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> grade 1 <input type="checkbox"/> grade 2-6 | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Cataract (congenital) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Retinal Dysplasia (RD) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> (multi)focal <input type="checkbox"/> geographical <input type="checkbox"/> total | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Hypoplastic-/Micro-papilla | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Collie Eye Anomaly (CEA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> choroid. hypoplasia <input type="checkbox"/> coloboma <input type="checkbox"/> other: | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. IridoCorneal Angle Abnormality. (ICAA) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> mild <input checked="" type="checkbox"/> moderate <input type="checkbox"/> severe | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Interpretation | | | | | | | |
| 11. Entropion/Trichiasis | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. Ectropion/Macroblepharon | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 13. Distichiasis /Ectopic cilia | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 14. Corneal dystrophy | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 15. Cataract (non-congenital) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 16. Lens luxation (primary) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 17. Retinal degeneration (PRA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 18. Other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

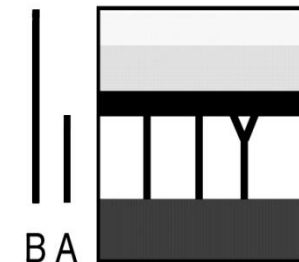
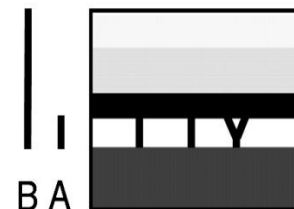
Grading of ICAA

PLA

- ” 0 – 50% FL = **unaffected**
- ” >50-100% FL **and/or** < 25% LA = **affected (mild)**
- ” 25-50% LA = **affected (moderate)**
- ” > 50% LA = **affected (severe)**




ICA width



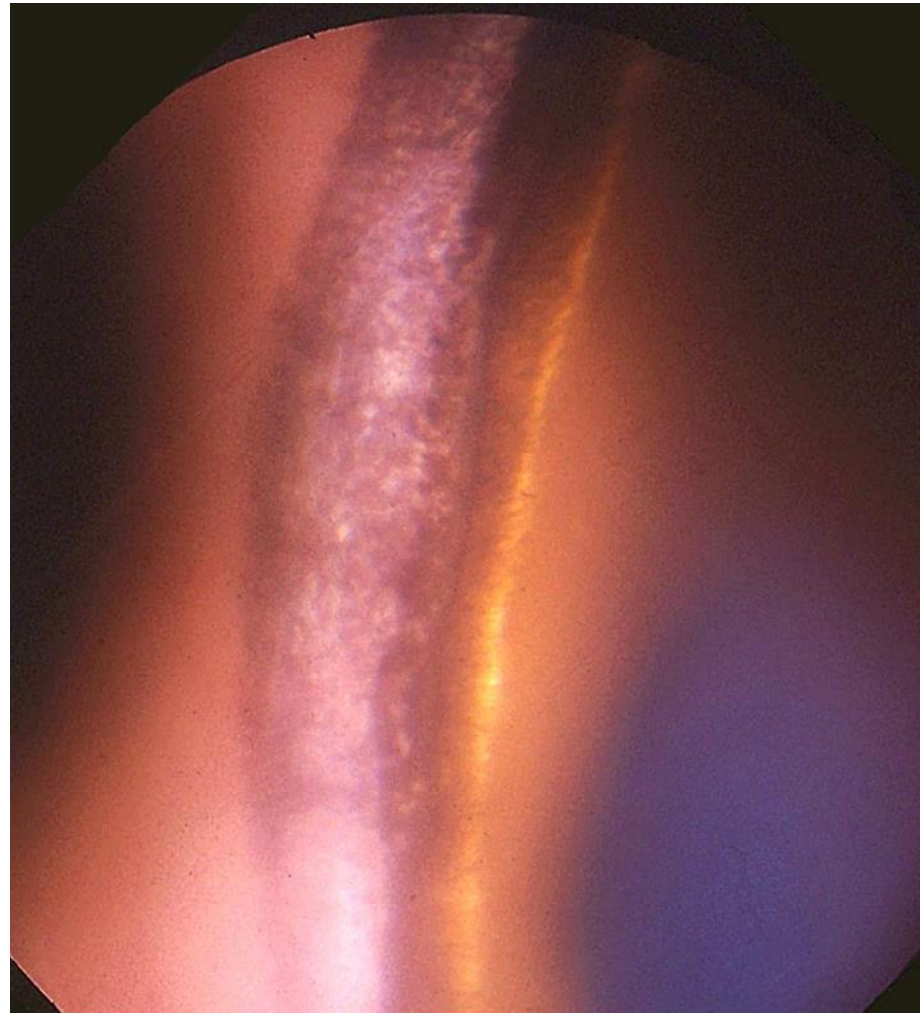
Ratio A/B:
Terminology:

PL not visible
closed
affected (severe)

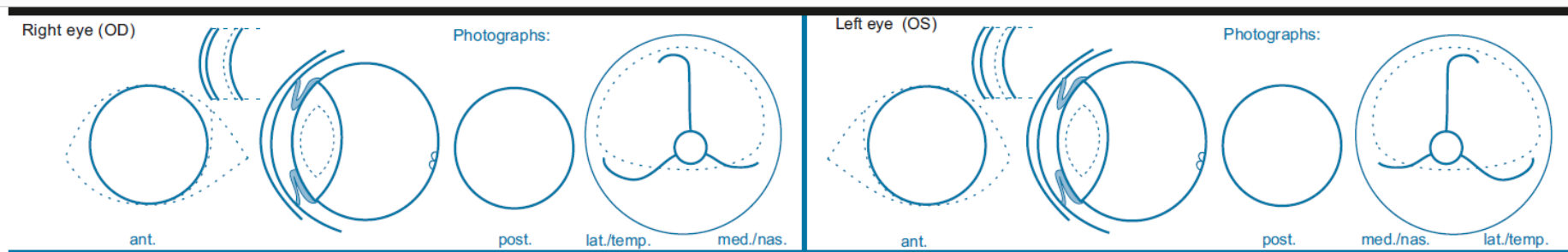
$A < 1/3$ of B
narrow
affected (moderate)

$A \geq 1/3$ of B
open 
normal

Gonioscopy: the entire ICA looks like the section on the slide



NEW CERTIFICATE



Descriptive comments:

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8. ICAA: PLA mild moderate severe

ICA width narrow (moderate) closed (severe)

Eye disease no. mild severe

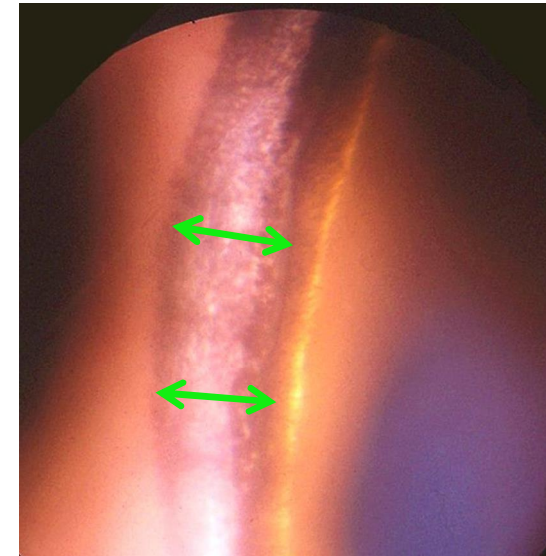
| Results for the known or presumed hereditary eye diseases (KP-HED): | | | | Results valid for 12 months | | | |
|------------------------------------------------------------------------------|--------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| | * UNAFFECTED | ** UNDETERMINED | * AFFECTED | | * UNAFFECTED | *** SUSPICIOUS | * AFFECTED |
| 1. Persistent Pupillary Membrane (PPM) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> iris <input type="checkbox"/> lens | <input type="checkbox"/> cornea <input type="checkbox"/> lamina | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Persistent Hyperpl. Tunica Vasculosa Lentis/Primary Vitreous (PHTVL/PHPV) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> grade 1 <input type="checkbox"/> grade 2-6 | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Cataract (congenital) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Retinal Dysplasia (RD) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> (multi)focal <input type="checkbox"/> geographical <input type="checkbox"/> total | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Hypoplastic-/Micro-papilla | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Collie Eye Anomaly (CEA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> choroid. hypoplasia <input type="checkbox"/> coloboma <input type="checkbox"/> other: | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. IridoCorneal Angle Abnormality. (ICAA) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> mild <input checked="" type="checkbox"/> moderate <input type="checkbox"/> severe | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Entropion/Trichiasis | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. Ectropion/Macroblepharon | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 13. Distichiasis /Ectopic cilia | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 14. Corneal dystrophy | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 15. Cataract (non-congenital) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 16. Lens luxation (primary) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 17. Retinal degeneration (PRA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 18. Other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Interpretation

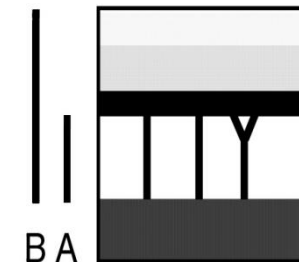
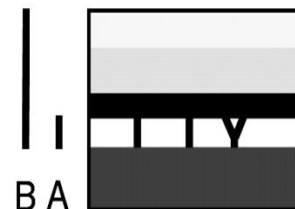
Grading of ICAA

PLA

- ” 0 – 50% FL = **unaffected**
- ” >50-100% FL **and/or** < 25% LA = **affected (mild)**
- ” 25-50% LA = **affected (moderate)**
- ” > 50% LA = **affected (severe)**



ICA width



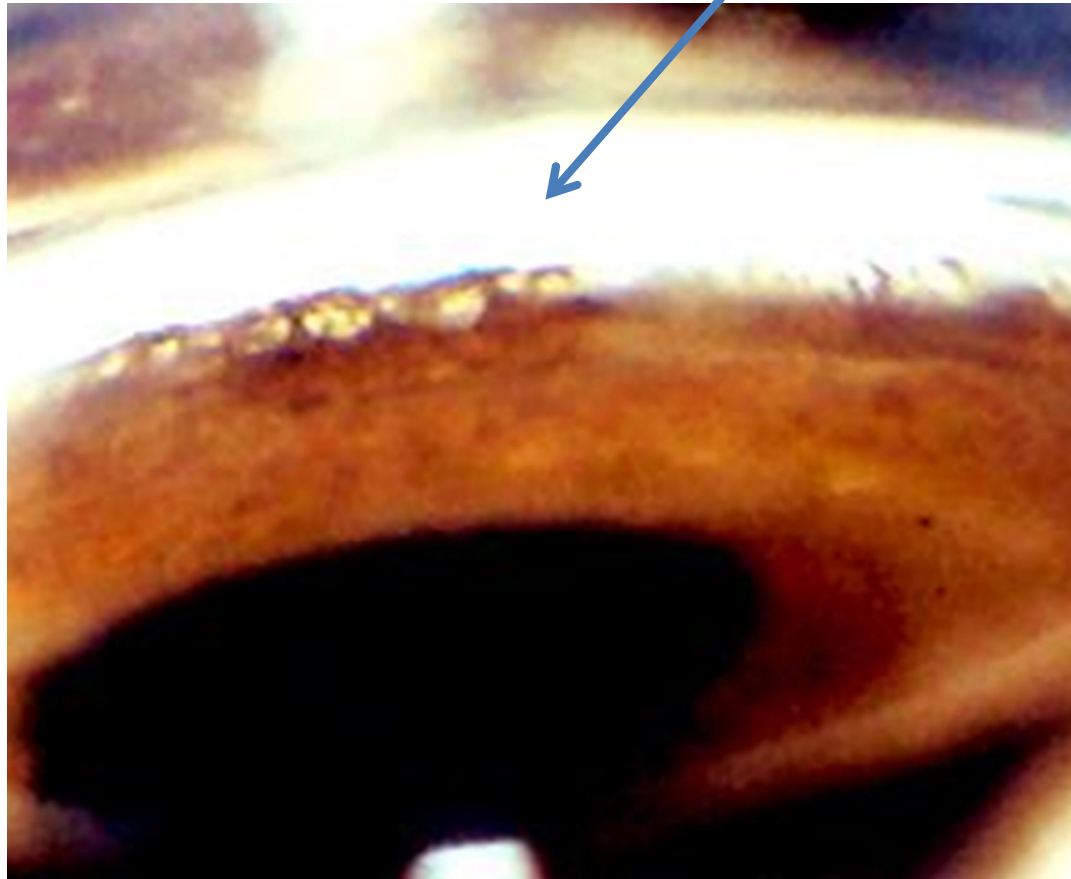
Ratio A/B:
Terminology:

PL not visible
closed ✓
affected (severe)

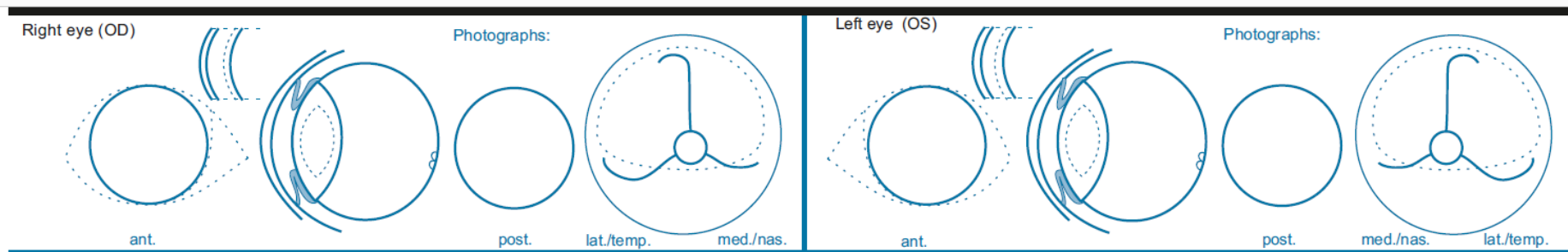
$A < 1/3$ of B
narrow
affected (moderate)

$A \geq 1/3$ of B
open
normal

Gonioscopy: the entire ICA looks like the section on the slide



NEW CERTIFICATE



Descriptive comments:

.....

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8. ICAA: PLA mild moderate severe

ICA width narrow (moderate) closed (severe)

Eye disease no. mild severe

| Results for the known or presumed hereditary eye diseases (KP-HED): | | | | Results valid for 12 months | | | |
|------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------|
| | * UNAFFECTED | ** UNDETERMINED | * AFFECTED | | * UNAFFECTED | *** SUSPICIOUS | * AFFECTED |
| 1. Persistent Pupillary Membrane (PPM) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> iris <input type="checkbox"/> lens <input type="checkbox"/> cornea <input type="checkbox"/> lamina | 11. Entropion/Trichiasis | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Persistent Hyperpl. Tunica Vasculosa Lentis/Primary Vitreous (PHTVL/PHPV) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> grade 1 <input type="checkbox"/> grade 2-6 | 12. Ectropion/Macroblepharon | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Cataract (congenital) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 13. Distichiasis /Ectopic cilia | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Retinal Dysplasia (RD) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> (multi)focal <input type="checkbox"/> geographical <input type="checkbox"/> total | 14. Corneal dystrophy | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> cortical <input type="checkbox"/> post. pol. <input type="checkbox"/> ant. sut. l. |
| 5. Hypoplastic-/Micro-papilla | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 15. Cataract (non-congenital) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> punctata <input type="checkbox"/> nucleus <input type="checkbox"/> other |
| 6. Collie Eye Anomaly (CEA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> choroid. hypoplasia <input type="checkbox"/> coloboma <input type="checkbox"/> other: | 16. Lens luxation (primary) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 17. Retinal degeneration (PRA) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. IridoCorneal Angle Abnormality. (ICAA) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> mild <input checked="" type="checkbox"/> moderate <input type="checkbox"/> severe | 18. Other: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Interpretation

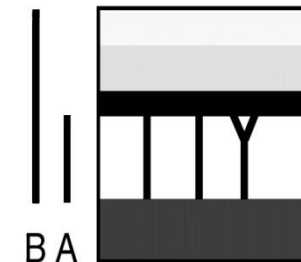
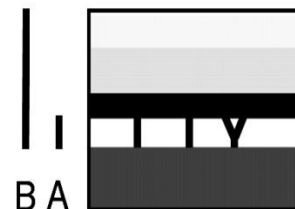
Grading of ICAA

PLA

- ” 0 – 50% FL = **unaffected** ✓
- ” >50-100% FL **and/or** < 25% LA = **affected (mild)**
- ” 25-50% LA = **affected (moderate)**
- ” > 50% LA = **affected (severe)**



ICA width



Ratio A/B:

Terminology:

PL not visible
closed
affected (severe)

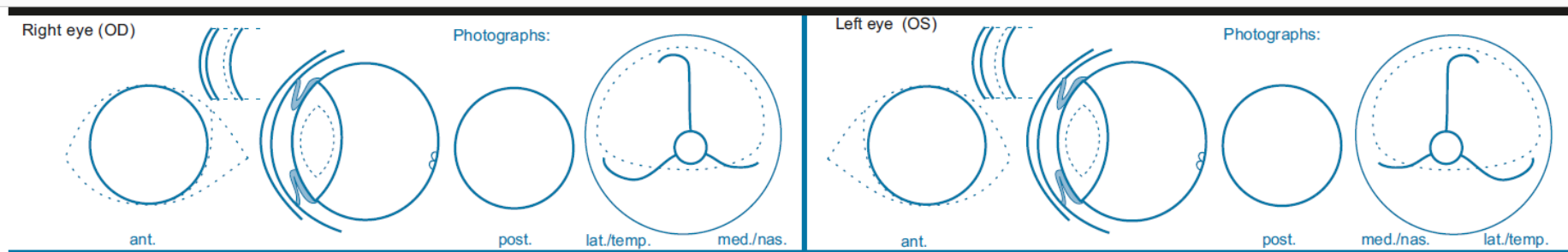
A < 1/3 of B
narrow ✓
affected (moderate)

A ≥ 1/3 of B
open
normal

Gonioscopy: the entire ICA looks like the section on the slide



NEW CERTIFICATE



Descriptive comments:

.....

.....

8. ICAA: PLA mild moderate severe

ICA width narrow (moderate) closed (severe)

Eye disease no. mild severe

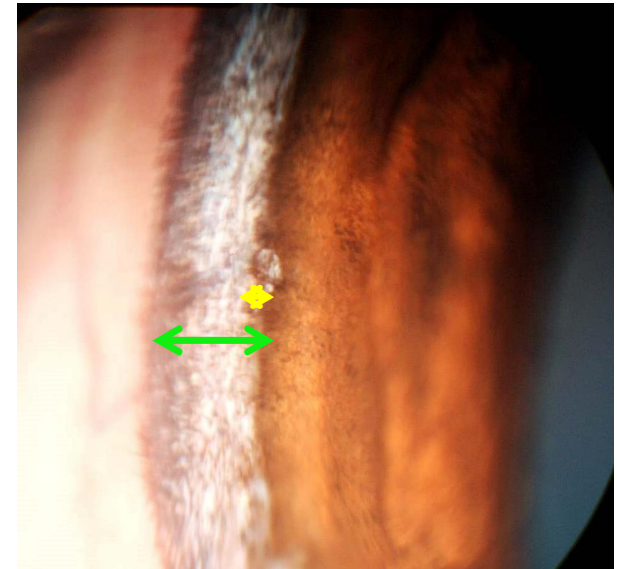
| Results for the known or presumed hereditary eye diseases (KP-HED): | | | | Results valid for 12 months | | | |
|------------------------------------------------------------------------------|--------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | * UNAFFECTED | ** UNDETERMINED | * AFFECTED | | * UNAFFECTED | *** SUSPICIOUS | * AFFECTED |
| 1. Persistent Pupillary Membrane (PPM) | <input type="checkbox"/> | <input type="checkbox"/> | <div style="display: flex; align-items: center;"> <div style="margin-right: 5px;"> <input type="checkbox"/> iris <input type="checkbox"/> lens </div> <div style="margin-left: 10px;"> <input type="checkbox"/> cornea <input type="checkbox"/> lamina </div> </div> | 11. Entropion/Trichiasis | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Persistent Hyperpl. Tunica Vasculosa Lentis/Primary Vitreous (PHTVL/PHPV) | <input type="checkbox"/> | <input type="checkbox"/> | <div style="display: flex; align-items: center;"> <div style="margin-right: 5px;"> <input type="checkbox"/> grade 1 <input type="checkbox"/> grade 2-6 </div> </div> | 12. Ectropion/Macroblepharon | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
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Interpretation

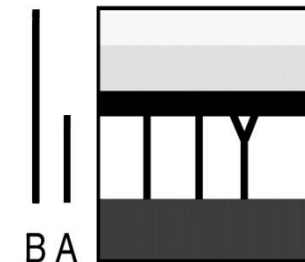
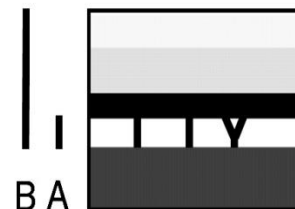
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