



Uveal melanoma

Author: Marianne Richter, Dipl ECVO



Uveal melanoma (Definitions 2024)

Uveal melanoma: KP-HED; a neoplasm caused by malignant transformation of melanocytes in the iris. Occurs with a higher than normal incidence in the Labrador Retriever. Left untreated it may result in secondary glaucoma. Without a histological examination, an iris melanoma cannot be differentiated from a benign melanocytoma in every case. A distinction may become possible depending on the further development.



Uveal melanoma (Guidelines 2024)

Uveal melanoma

- “ **In specific breed (Labrador Retriever):** If there are typical "clinical" signs of an uveal melanoma (raised, black-brown, more or less circumscribed) lesion in the iris or choroidea whose growth has been noted), at "18. Other": "Uveal melanoma" is used (on paper: written) and the box "affected" is ticked. If a small, non-raised pigmentation in the iris or choroidea is noticed for the first time, at "18. Other": "Uveal melanoma" is used (on paper: written), the box "undetermined" is ticked and "re-examination after 12 months or if earlier, then by the chief panelist/panel" mentioned in the descriptive comments field (on paper: written); If the lesion remains unchanged or increases in size but still non-raised at following examinations, tick "undetermined" and use (on paper: write) in "descriptive comments": "iris or choroidea: pigmented lesion– to be observed"; If the lesion becomes raised, tick "affected".
- “ **In other breeds the heredity of uveal melanomas is at present not presumed:** use (on paper: write) in "descriptive comments": "iris or choroidea: pigmented lesion– to be observed";

Uveal melanoma (Guidelines 2024)

In specific breed (Labrador Retriever): If there are typical "clinical" signs of an uveal melanoma (raised, black-brown, more or less circumscribed) lesion in the iris or choroidea whose growth has been noted), at "18. Other": "Uveal melanoma" is used (on paper: written) and the box "affected" is ticked.



Labrador Retriever, m, 5 months

Slide: Johannes Thal

**In specific breed (Labrador Retriever):
heredity of iris melanoma is presumed**

Labrador Retriever,
m, 5 months



Descriptive comments

15. Other lens opacity:

- punctata
- suture line tip
- suture line
- nuclear ring
- nuclear fiberglass/pulverulent

8. ICAA : PLA

- moderate
- severe
- ICA narrow (moderate)
- closed (severe)

Eye disease no: Severe

Results for the known or presumed hereditary eye diseases

	UNAFFECTED	suspicious/ undetermined	AFFECTED
1. Persistent Pupillary Membrane (PPM)	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> grade 1 <input type="checkbox"/> grade 2-6
3. Cataract (congenital)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Retinal Dysplasia (RD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> (multi)focal <input type="checkbox"/> geographical <input type="checkbox"/> total
5. Hypoplastic-/Micro-papilla	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Collie Eye Anomaly (CEA)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> choroid, hypoplasia <input type="checkbox"/> coloboma <input type="checkbox"/> other
7. Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Results valid for 12 months

	UNAFFECTED	suspicious/ undetermined	AFFECTED
11. Entropion / Trichiasis	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Ectropion / Macrolidopharon	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Distichiasis / Ectopic cilia	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Corneal dystrophy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cataract (later onset)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> cortical <input type="checkbox"/> post. pol. <input type="checkbox"/> nuclear
16. Lens luxation (primary)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Retinal degeneration (PRA)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Other Uveal melanoma	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Interpretation

- * "Unaffected" signifies that there is no clinical evidence of the presumed inherited eye disease(s) specified, whereas "affected" signifies that there is such evidence.
- ** "Undetermined" The animal displays clinical features that could possibly fit the presumed inherited eye disease(s) mentioned, but the changes are inconclusive.
- *** "Suspicious" The animal displays minor, but specific signs of the presumed inherited eye disease(s) mentioned. Further development will confirm the diagnosis.

FOR FURTHER INFORMATION: P.T.O. Examiner

Uveal melanoma (Guidelines 2024)

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Labrador Retriever
f, 3 years

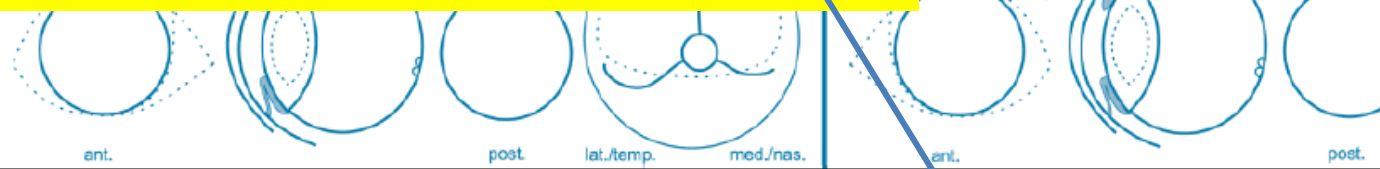


Labrador Retriever
m, 10 months

Slides: Birgit Lohmann

**In specific breed (Labrador Retriever):
heredity of iris melanoma is presumed**

Labrador Retriever,
m, 10 months



Descriptive comments

18. **Undetermined:** re-examination after 12 months or if earlier, then by the chief panelist/panel

13. Other lens opacity:
- punctata
 - suture line tip
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2. Persistent Hyperpl. Tunica Vasculosa Lentis/ Primary Vitreous (PHTVL/PHPV)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> grade 1 <input type="checkbox"/> grade 2-6	12. Ectropion / Macrolidopharon	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Cataract (congenital)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13. Distichiasis / Ectopic cilia	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Retinal Dysplasia (RD)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> (multi)focal <input type="checkbox"/> geographical <input type="checkbox"/> total	14. Corneal dystrophy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Hypoplastic-/Micro-papilla	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15. Cataract (later onset)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> cortical <input type="checkbox"/> post. pol. <input type="checkbox"/> nuclear
6. Collie Eye Anomaly (CEA)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> choroid, hypoplasia <input type="checkbox"/> coloboma <input type="checkbox"/> other	16. Lens luxation (primary)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17. Retinal degeneration (PRA)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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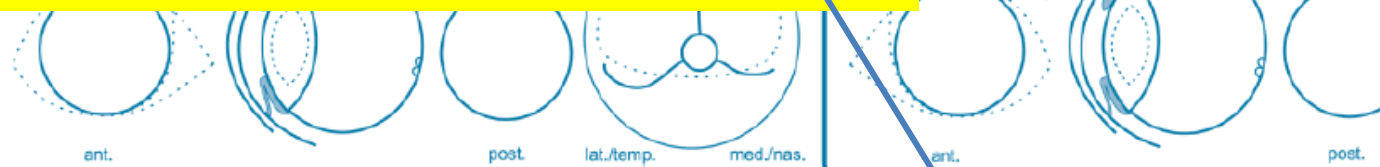


Uveal melanoma (Guidelines)

In specific breed (Labrador Retriever): If the lesion remains unchanged or increases in size but still non-raised at following examinations, tick “undetermined” and use (on paper: write) in “descriptive comments”: “iris or choroidea: pigmented lesion– to be observed”;
If the lesion becomes raised, tick “affected”.

**In specific breed (Labrador Retriever):
heredity of iris melanoma is presumed**

Labrador Retriever,
m, 10 months



Descriptive comments

18. **Undetermined:** re-examination after 12 months or if earlier, then by the chief panelist/panel

Iris: pigmented lesion – to be observed

13. Other lens opacity:
- punctata
 - suture line tip
 - suture line
 - nuclear ring
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8. ICAA : P
- severe
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Eye disease no: Severe

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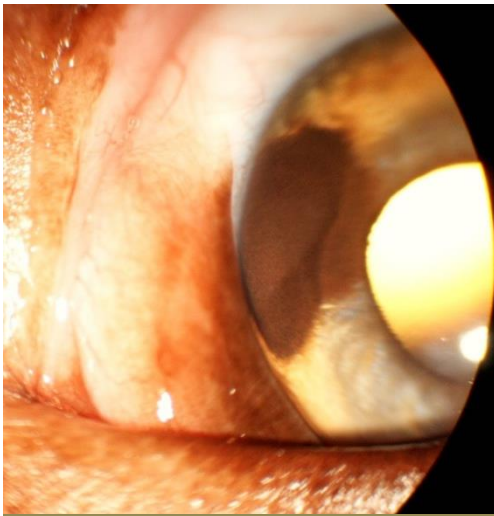
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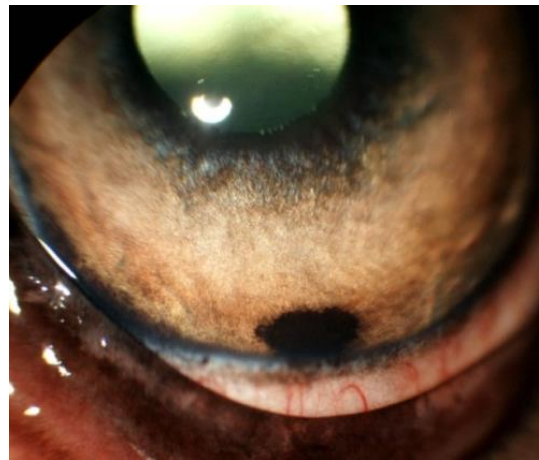
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Uveal melanoma

- “ In other breeds the heredity of uveal melanomas is at present not **presumed**: use (on paper: write) in “descriptive comments”: “iris or choroidea: pigmented lesion– to be observed”;

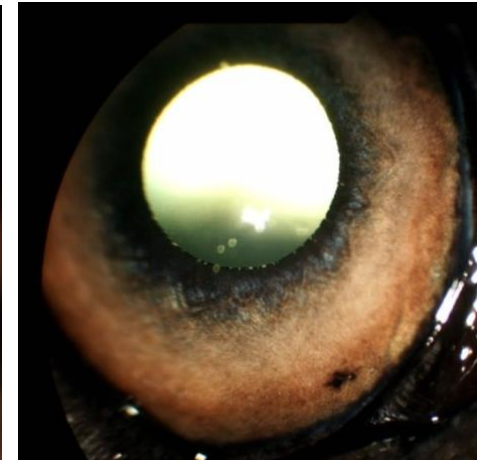


Australian Shepherd, f,
17 months old



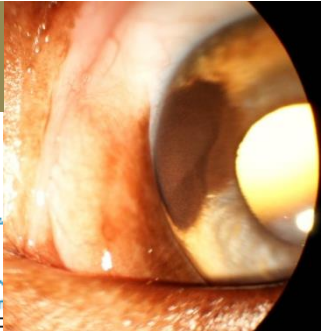
Boerbol, f, 10 months OS & OD

Slides: Birgit Lohmann



In other breeds (except Labrador Retriever) the heredity of uveal melanomas is at present not presumed:

Australian Shepherd, f, 17 months old



Iris: pigmented lesion– to be observed

Descriptive comments

- 15. Other lens opacity:
 - punctata
 - suture line tip
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 - nuclear ring
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- 8. ICAA : PLA
 - mild
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 - severe
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14. Corneal dystrophy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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