Brachycephalic Ocular Syndrome

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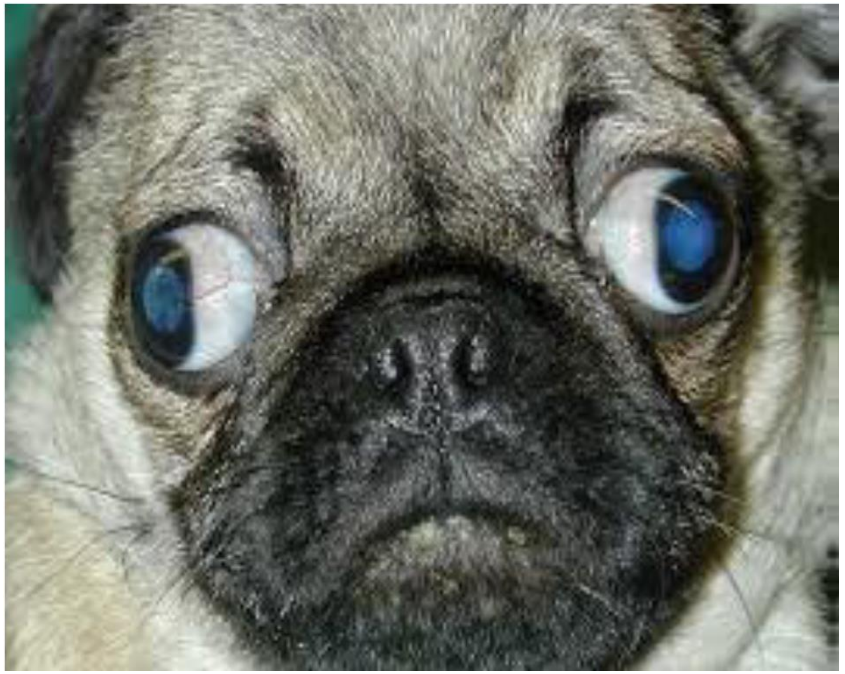
KP-HED: Brachycephalic Ocular Syndrome

In some brachycephalic breeds a combination of macroblepharon and exophthalmos due to shallow orbit is seen (risk factor for prolapse of the globe)



KP-HED: Brachycephalic Ocular Syndrome

Definition: Exophthalmos due to shallow orbit: KP-HED in some brachycephalic breeds; As part of the facial and skull bone deformities, the bony cavity is not deep enough to accommodate a normal sized globe. In combination with macroblepharon this leads to an anatomically pathological exposure of the globe, recognizable by the visible sclera when the eye is directed straight ahead.

Guidelines: Exophthalmos due to shallow orbit is usually seen in combination with macroblepharon. If the sclera is visible in two or three quadrants in the straight position of the globe, with or without strabismus divergens (without prior pathology) at "7. Other": "Exophthalmos due to shallow orbit" is written (online: is used) and the box "affected" is ticked. Only if the sclera is visible all around (with a normal-sized globe), also the box "severe" in the comment area is ticked. In case of macroblepharon also tick at "12. Ectropion/ Macroblepharon" the box "affected".

Exophthalmos due to shallow orbit is seen in brachycephalic breeds in combination with macroblepharon (a risk factor for prolapse of the globe).

Right eye (OD) Photographs:

ant. post. lat./temp. med./nas. ant.

Descriptive comments:

Eye disease no. 7+12 severe

15. Cataract other: punctata; suture line tip; suture line; nuclear ring; nuclear fiberglass/pulverulent

8. ICAA: PLA: mild; moderate; severe

ICA (width): narrow (moderate); closed (severe)

Results for the known or presumed hereditary eye diseases (KP-HED):

	* UNAFFECTED	** UNDETERMINED	* AFFECTED	
1. Persistent Pupillary Membrane (PPM)				iris; lens; cornea; lamina
2. Persistent Hyperpl.Tunica Vasculosa Lentis/Primary Vitreous (PHTVL/PHPV)				grade 1; grade 2-6
3. Cataract (congenital)				
4. Retinal Dysplasia (RD)				(multi)focal; geographical; total
5. Hypoplastic-/Micro-papilla				
6. Collie Eye Anomaly (CEA)				choroid. hypoplasia; coloboma; other:
7. Other: Exophthalmos due to shallow orbit			X	
8. IridoCorneal Angle Abnormality (ICAA)				mild; moderate; severe

Results valid for 12 months

	* UNAFFECTED	*** SUSPICIOUS	* AFFECTED	
11. Entropion / Trichiasis				
12. Ectropion / Macroblepharon			X	
13. Distichiasis / Ectopic cilia				
14. Corneal dystrophy				
15. Cataract (non-congenital)				cortical; post. pol.; nuclear; other
16. Lens luxation (primary)				
17. Retinal degeneration (PRA)				
18. Other:				

Interpretation

* "Unaffected" signifies that there is no clinical evidence of the known or presumed hereditary eye diseases (KP-HED) specified, whereas "affected" signifies that there is such evidence.
** The animal displays clinical features that could possibly fit the KP-HED mentioned, but the changes are inconclusive.
*** The animal displays minor, but specific clinical signs of the KP-HED mentioned. Further development will confirm the diagnosis. Reexamination in .....months.

FOR FUTHER INFORMATION: P.T.O. | Examiner

In brachycephalic breeds with a normal lid lenght usually nasal entropion is seen, often leading to keratitis

Right eye (OD) Photographs:

ant. post. lat./temp. med./nas. ant. post. med./nas. lat./temp.

Descriptive comments: .....

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Eye disease no. 11 ..... severe

15. Cataract other: punctata; suture line tip; suture line; nuclear ring; nuclear fiberglass/pulverulent

8. ICAA: PLA: mild; moderate; severe

ICA (width): narrow (moderate); closed (severe)

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