

1- Animals

2- Place

3-Complaints







4- Steps

Case history

Regular ophthalmic exam

Ultrasonographic exam

B-mode/7.5 MHz sector probe, depth of 4–6 cm

findings classified / location



Restraining



Sedation was achieved by IV injection 0.2 mg/Kg Bomazine 10%



Normal



Cornea / Conjunctiva

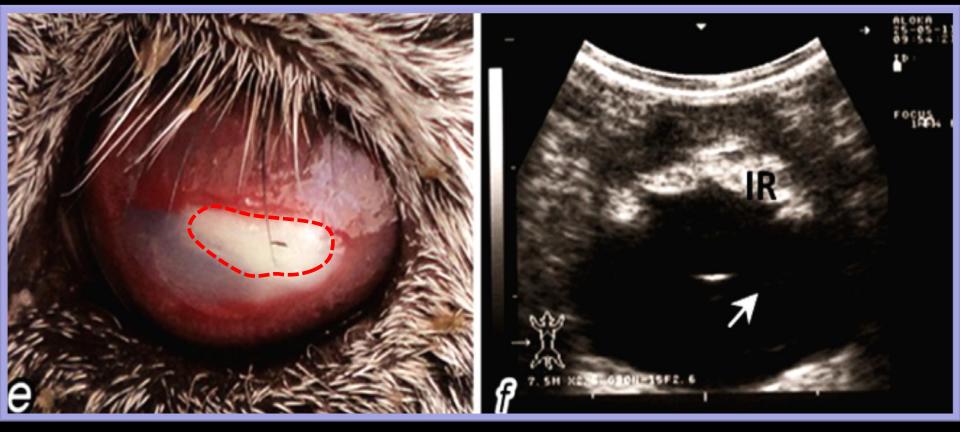


Fig: e-sever conjunctivitis, corneal stromal abscess, f-iridocyclitis manifested by hyperechoic iris (IR) and ciliary body

Post. Cornea / Iris / Lens

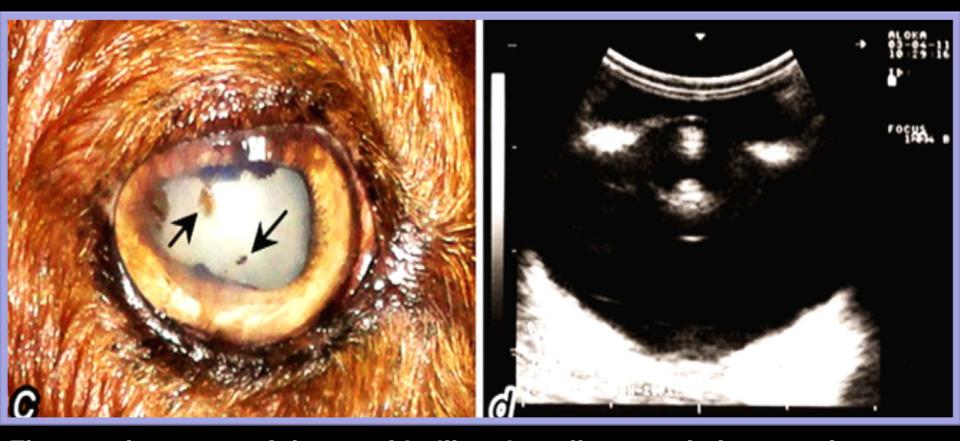


Fig: , c- clear corneal tissue with dilated pupil, corneal pigmentation (arrows) as a result of anterior synechia and cataractous lens, d-slight capsular cataract with cortical involvement,

Anterior Chamber

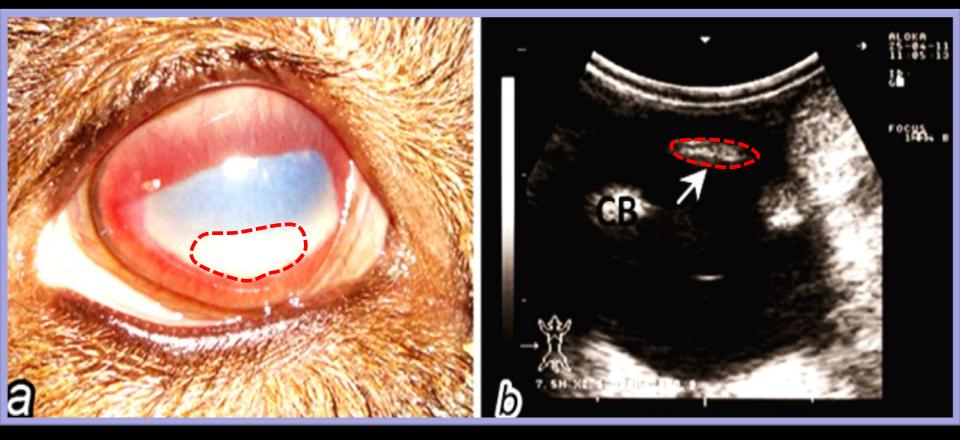


Fig: a-conjunctival injection with corneal opacity and anterior chamber hypopyon, b-hypopyon seen as hyperechoic shadow in the anterior chamber (arrow) with thickening of the ciliary body (CB) and increased in its echogenicity

Lens

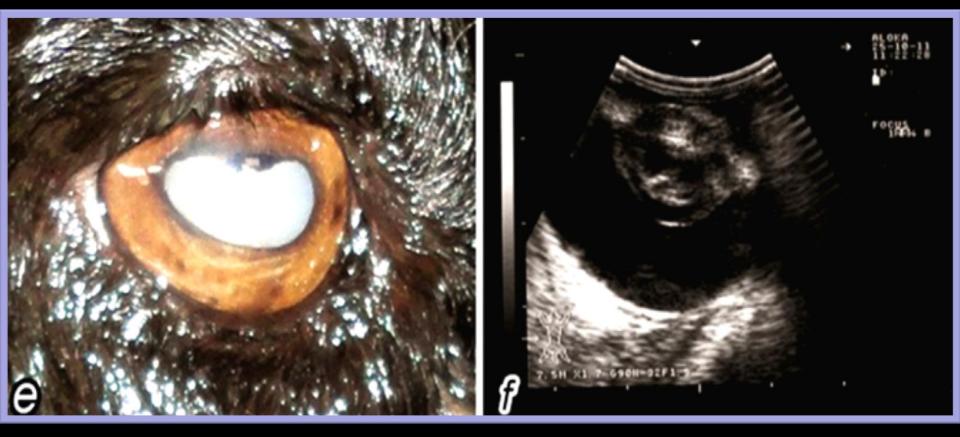
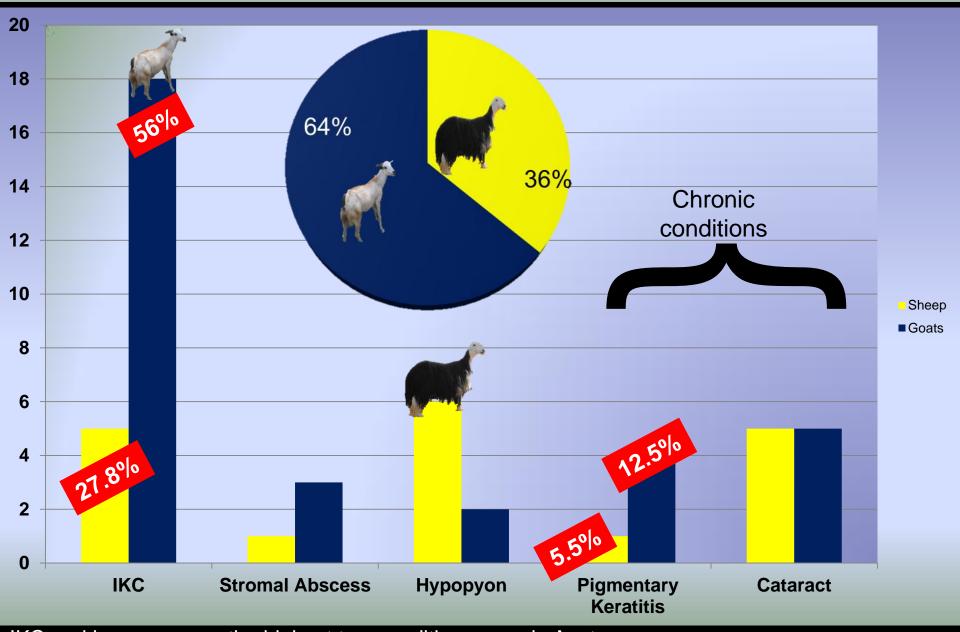


Fig: e-mature cataract, f-capsular and cortical cataract with slight nuclear involvement.

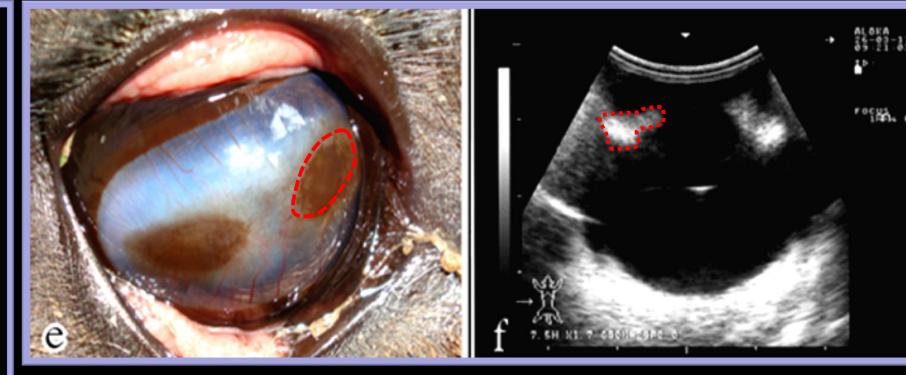
Graph(1): Incidence of different ocular affections in examined animals



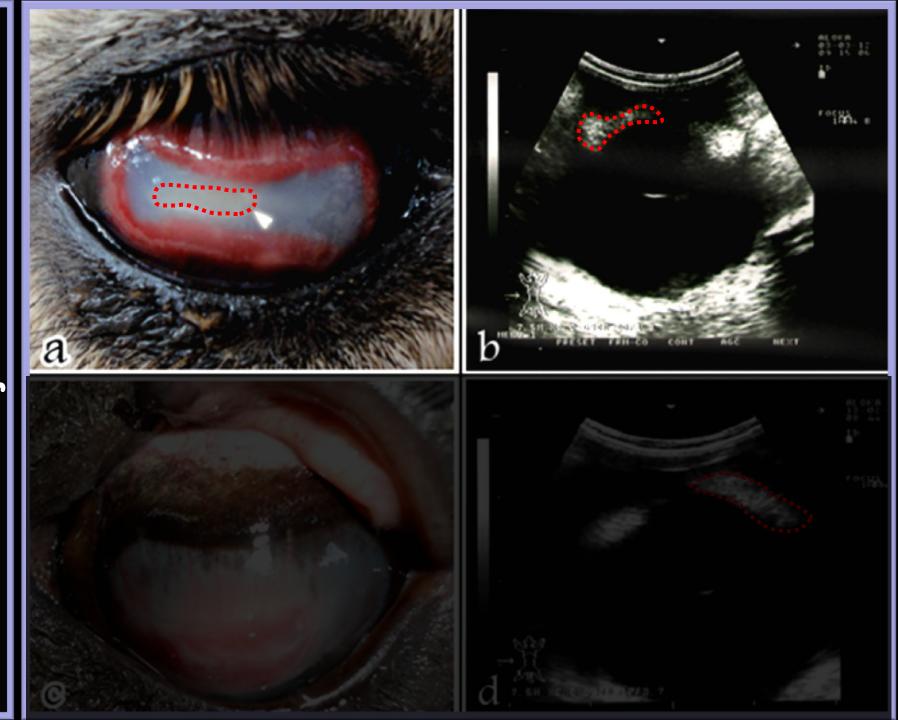
IKC and hypopyon are the highest two conditions seen in Acute cases Cataract is the highest condition seen in chronic cases in both sheep and goats

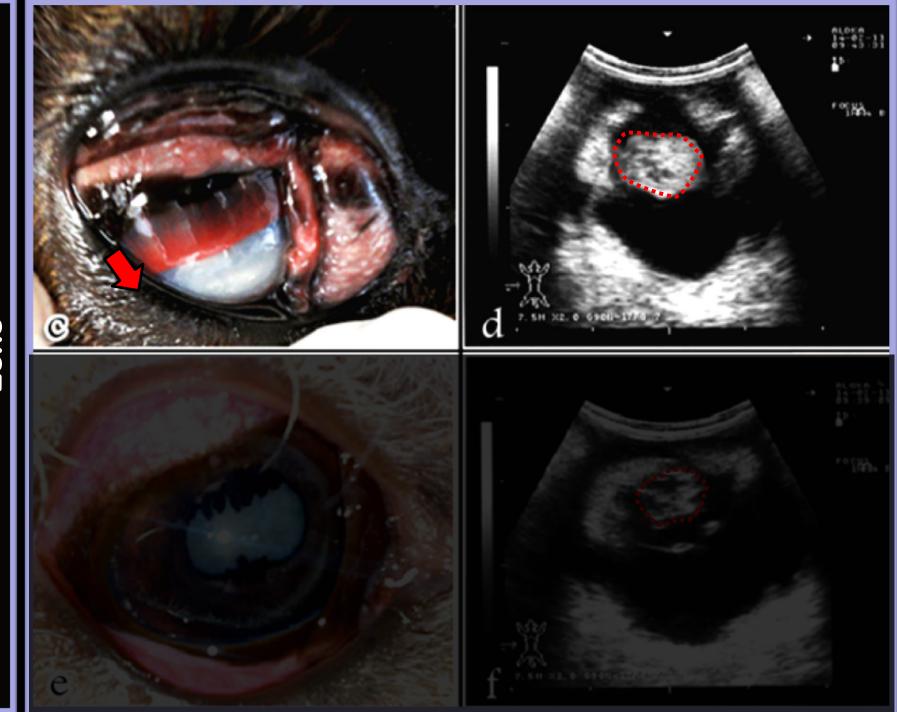


Cornea / Conjunctiva /Iris / CB

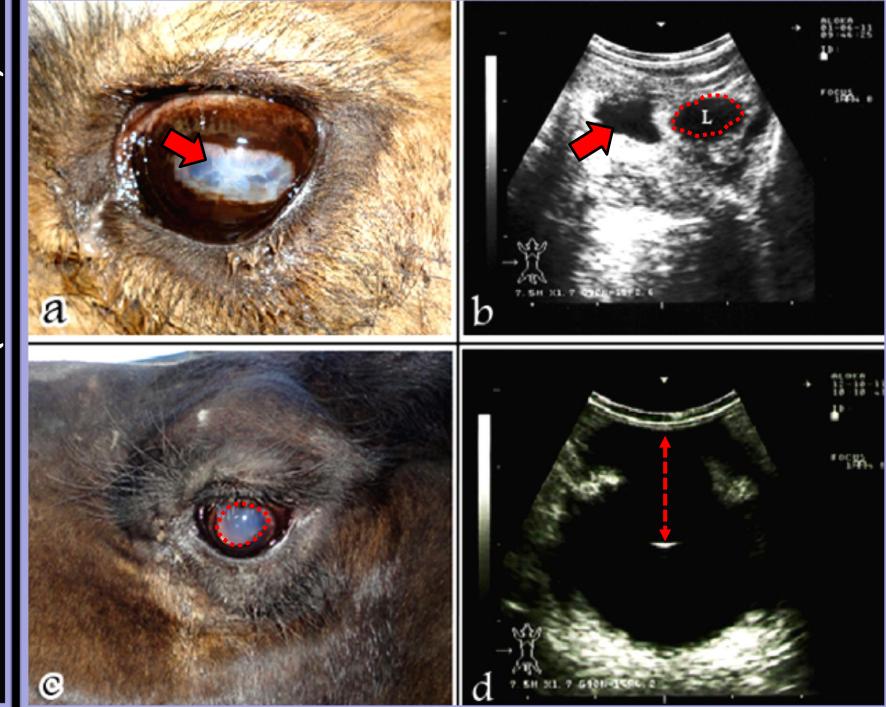


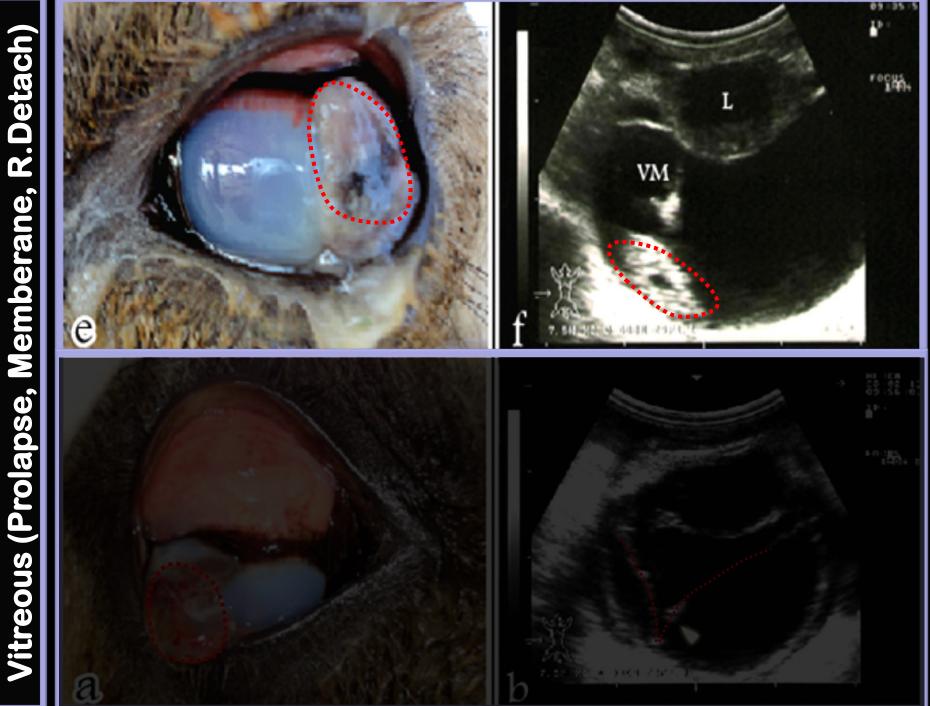
Cornea / Conjunctiva /Iris / CB



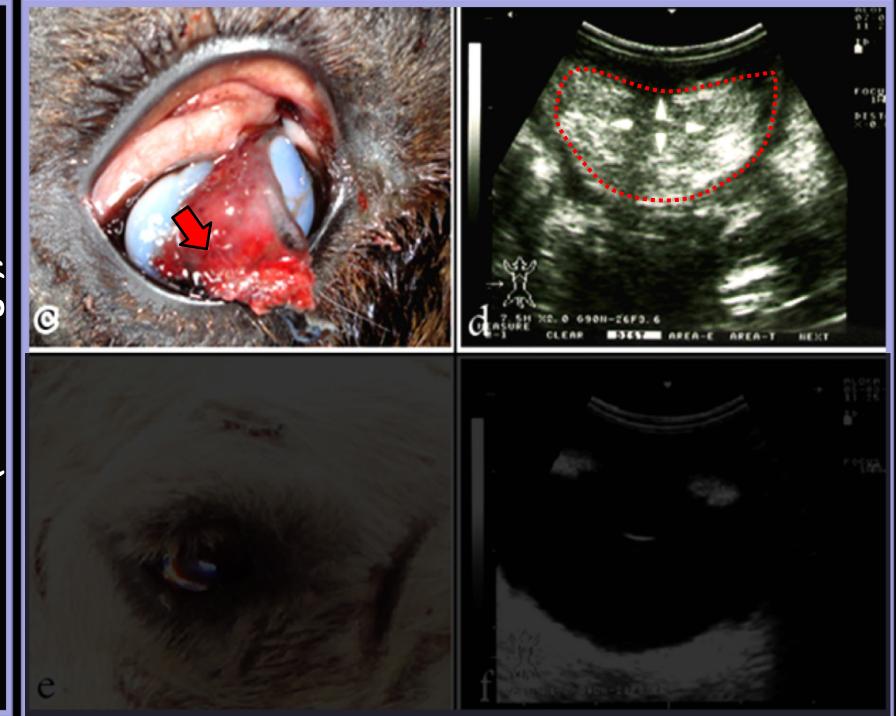


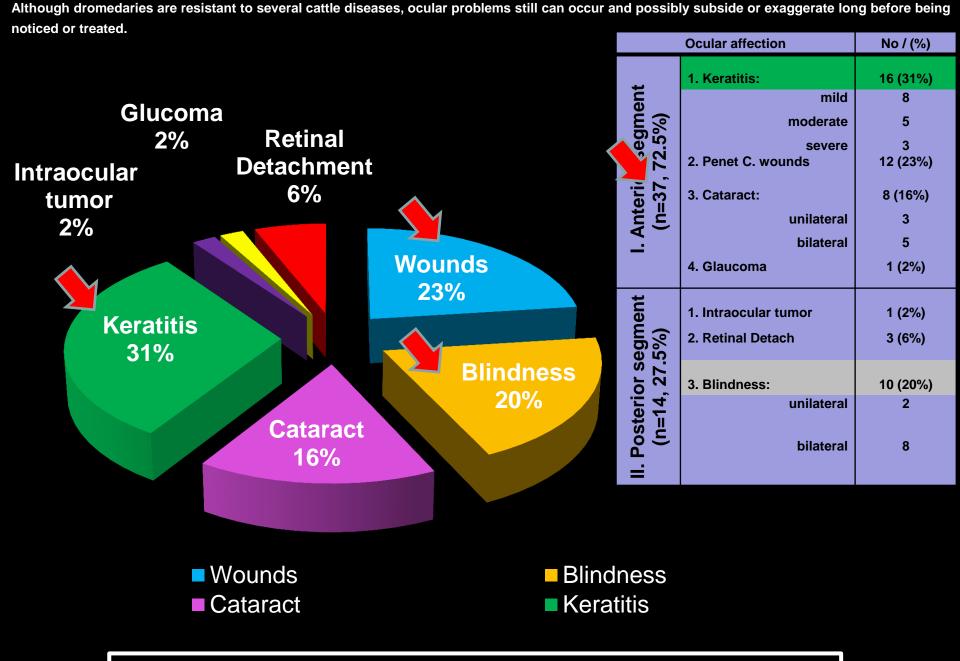
Anterior chamber (Fibrin /Glaucoma)





Vitreous (hemorrhage), Blindness





ocular affections seen in the dromedary camels



Although dromedaries are resistant to several cattle diseases, ocular problems still can occur and possibly subside or exaggerate long before being noticed or treated.

Anterior segment affections are higher than the posterior segment affections.

Keratitis is the highest condition seen.

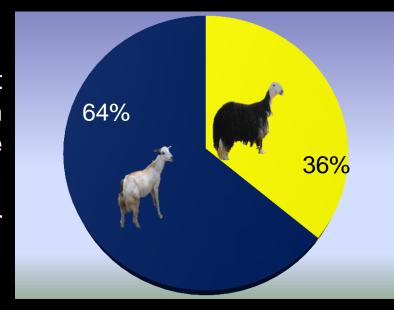
The highest Posterior segment affections is blindness.

	No / (%)	
ns	1. Keratitis:	16 (31%)
tio	n	nild 8
affec)	moder	ate 5
. Anterior segment affections (n=37, 72.5%)	sev 2. Penet C. wounds	ere 3 12 (23%)
. seç	3. Cataract:	8 (16%)
rior (n	unilate	eral 3
Ante	bilate	eral 5
L./	4. Glaucoma	1 (2%)
ions	1. Intraocular tumor	1 (2%)
ıffecti	2. Retinal Detach	3 (6%)
nent a 7.5%)	3. Blindness:	10 (20%)
ior segment a (n=14, 27.5%)	unilate	eral 2
II. Posterior segment affections (n=14, 27.5%)	bilate	eral 8

Conclusion

Individual ophthalmic examinations are not frequently performed as part of a herd health program but are very important to ensure the health of herd.

In general, sheep are more resistant to ocular affections than goats.



IKC and hypopyon are the highest two conditions seen in Acute cases

Cataract is the highest condition seen in chronic cases in both sheep and goats

Introduction Aim Materials and Methods Results Conclusion

Conclusion

From the owners perspective ultrasound provided a more precise tool for investigating the eyes and was influential in making decisions regarding the treatment of their animals whenever was possible.

From the practitioners' point of view, detection of ocular abnormalities using ultrasound prior to any interference helped in planning the possible way(s) of

management and treatment.

It also provides a better prognosis of the expected outcomes.

