

Cataract Surgery in Cats

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Cataract Surgery in Cats

- ◆ Primary cataract
- ◆ Secondary to uveitis
- ◆ Secondary to glaucoma/ocular hypertension
- ◆ Anterior lens luxation, intracapsular lens extraction (ICLE)
- ◆ Phacoemulsification, +/- lens replacement surgery

Medical Management pre- and post-surgery

Our Practice

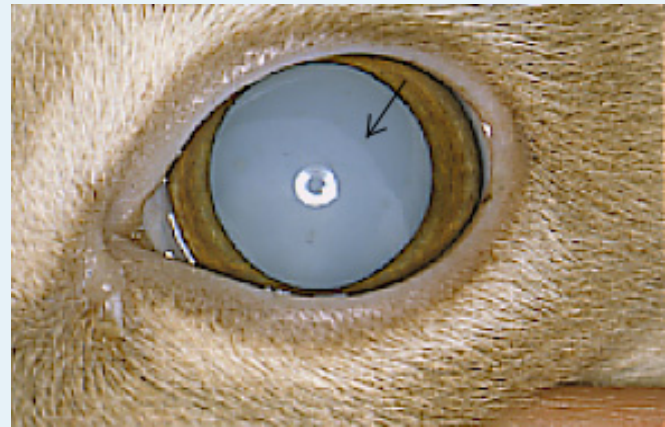
- ◆ 160+ cataract surgeries per year
- ◆ 2 felines with mature cataracts that went to surgery (0.05%)
- ◆ Both unilateral

Simon Strassberg 7yo MN feline DMH



- ◆ Relatively healthy cat, mildly underweight, history of asthma, currently on once daily inhalant steroid (FloVent)
- ◆ Presented 1/2013 – History of left cataract development at RVet 9/2012, Rx BNP-HC BID, comfortable, no change in vision. Cloudiness OS progressed, referred to VOS.

- ◆ Our exam showed normal PLRs OU, IOPs OU and menace responses.
- ◆ OD, focal posterior cortical lens opacity, no aqueous flare, no iris abnormality, normal fundus.
- ◆ OS, normal iris, no aqueous flare, mature cataract, borderline intumescent
- ◆ Ultrasonography: OD normal; OS posterior lenticonus or posterior capsular rupture??



OD Eye Scan(s)

Examiner:

OD SCAN: 7
FPS: 10.0
TVGain: 1
Volts: 127

SIMON STRASSBERG
25-01-2013 10:56
Probe: 10MHz
Sound: 1550 m/s
Angle: 60 deg



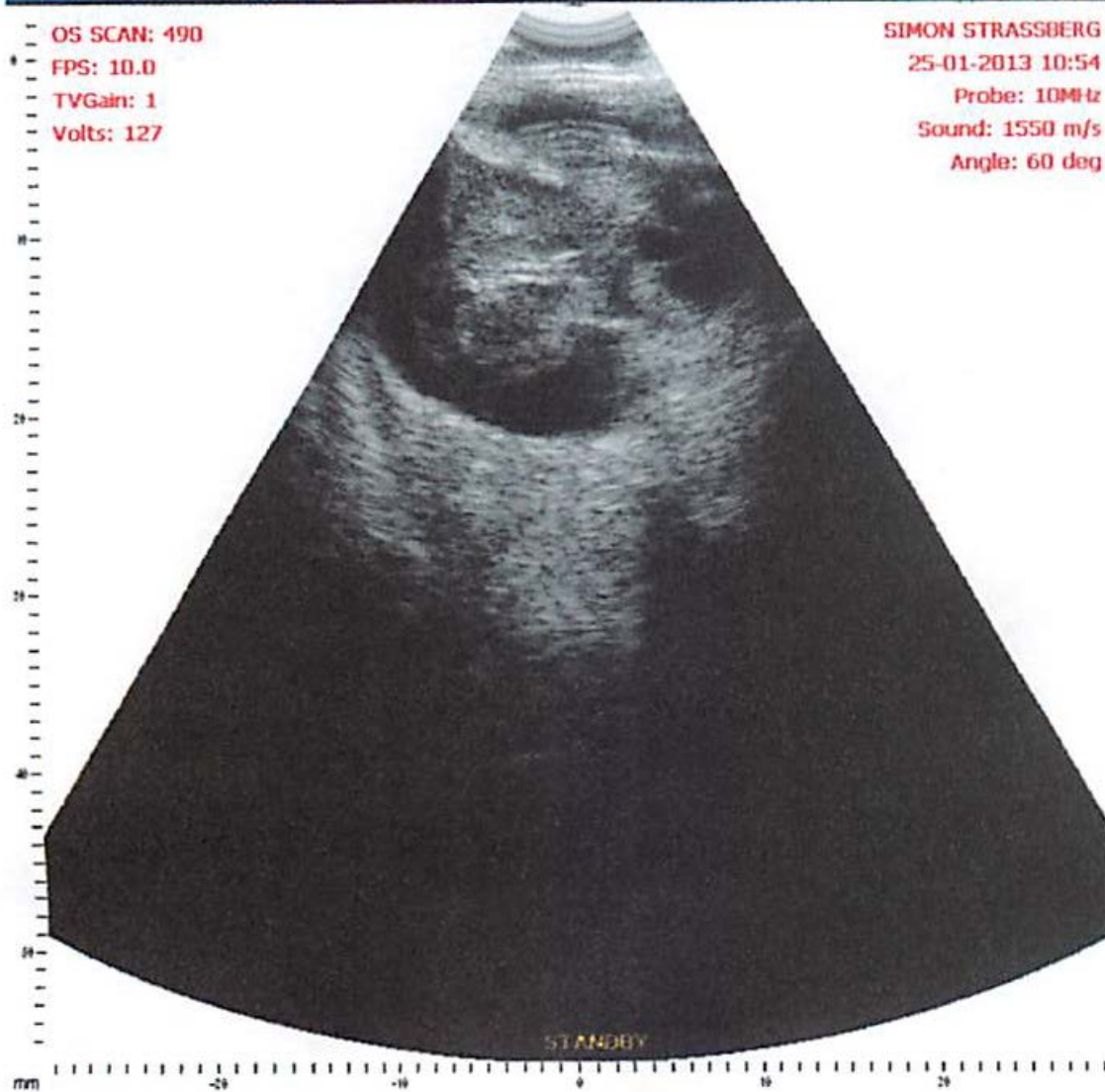
OD

OS Eye Scan(s)

Examiner:

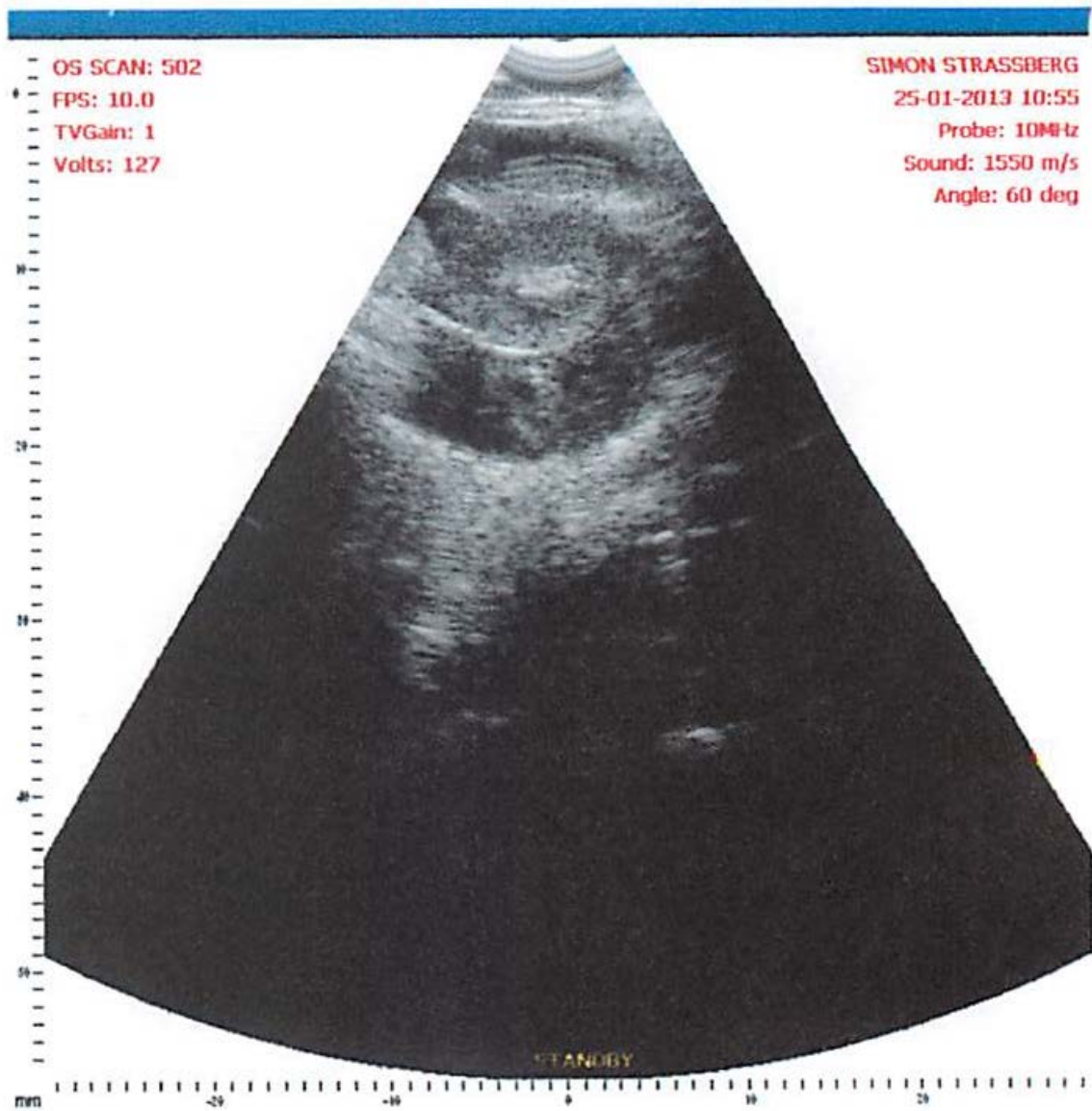
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FPS: 10.0
TVGain: 1
Volts: 127

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Sound: 1550 m/s
Angle: 60 deg



OS

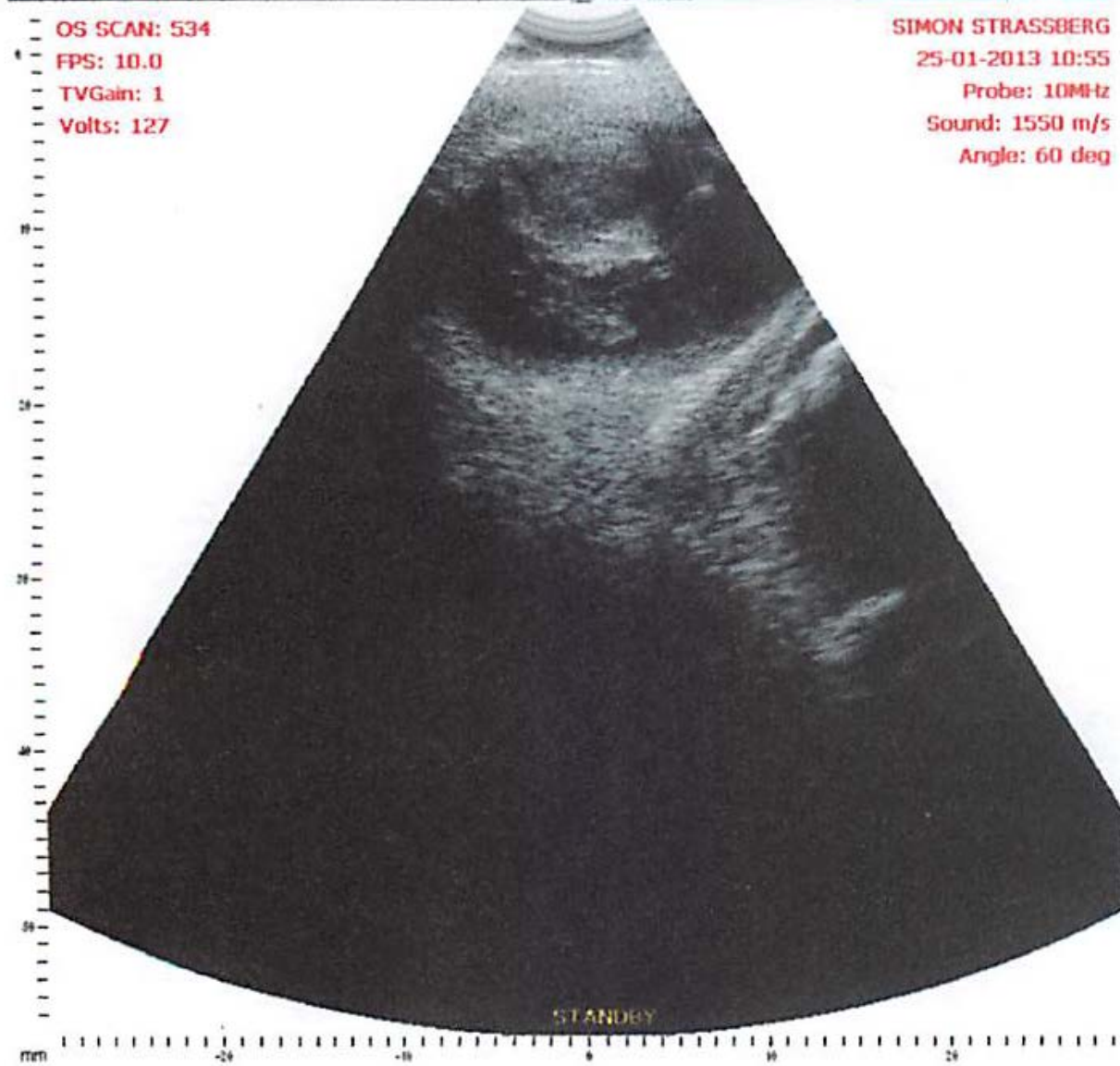
OS

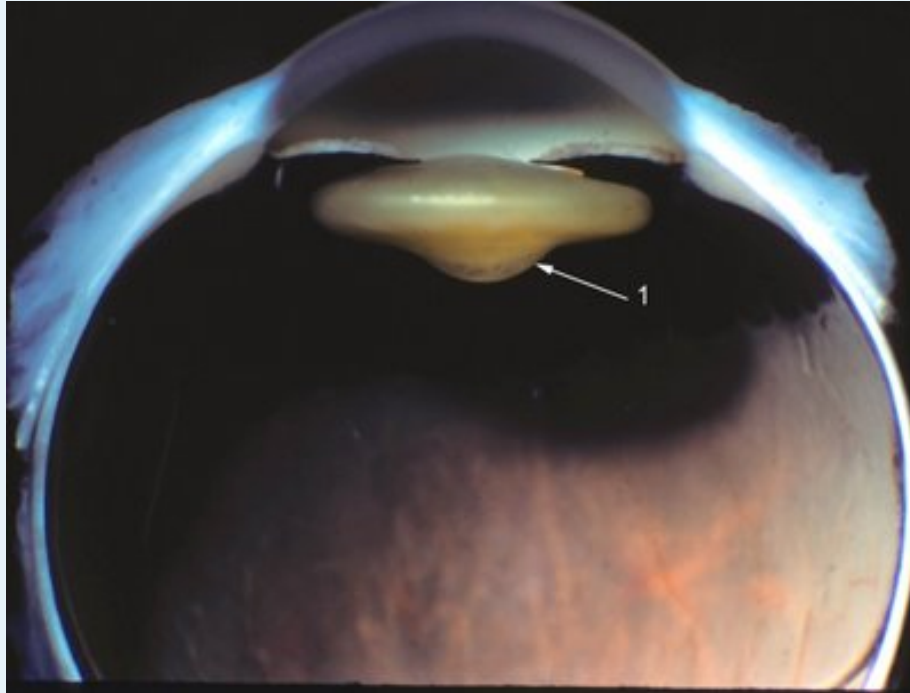


OS

OS SCAN: 534
FPS: 10.0
TVGain: 1
Volts: 127

SIMON STRASSBERG
25-01-2013 10:55
Probe: 10MHz
Sound: 1550 m/s
Angle: 60 deg





**Posterior
lenticonus**

Scheduled Surgery OS Phaco 2/14

- ◆ Instrumentation Storz B&L Millenium, routine phacoemulsification using Venturi-type I/A, one-handed technique, BSS with heparin/epinephrine cocktail, corneal limbal incision, Visco/Methylcellulose
- ◆ First mistake, endocapsular??
- ◆ Second mistake, one handed??

- ◆ Majority of lens cortex removed, while positioned just under the anterior capsule, 75% removed, but 25% falls into vitreal space... Time to go on a fishing expedition!
- ◆ Dilemma, what to do now??

- ◆ Change settings on Phaco... lower power to near zero, use mostly aspiration with very LOW irrigation when in vitreal chamber.
- ◆ Successfully retrieved all cortical material visualized, did not disturb retina, no hemorrhage –HALLELUJAH!!!!!!
- ◆ Finished clean up of cataract, no vitrectomy needed. Closed incision.

Follow Up

- ◆ Post op, clear, sighted
- ◆ Retinal exam two focal areas of retinal dysplasia/focal scarring
- ◆ Small amount of cortex present ventrally
- ◆ Mild ocular hypertension OS (IOP: OD 12 mmHg, OS 25 mmHg) 3/1/2013

- ◆ WHAT TO DO??? HOW TO MANAGE???