



Università di Salerno
Cattedra di Malattie dell'Apparato Visivo
Dir. Prof. Nicola Rosa

Ecografia B Scan verso AS OCT

Nicola Rosa



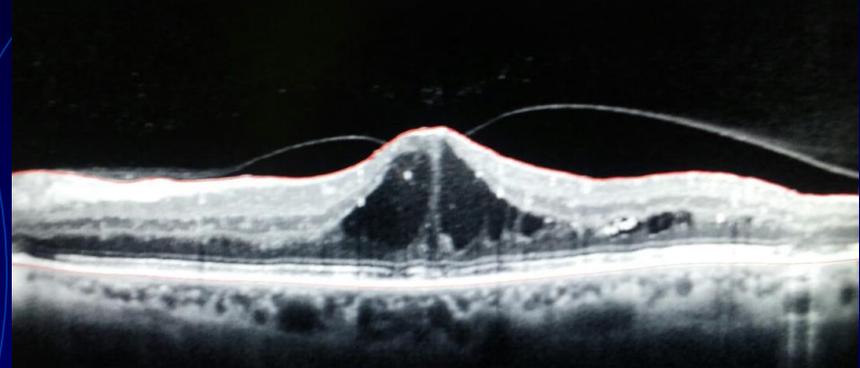
RISOLUZIONE

OCT: 12 micron

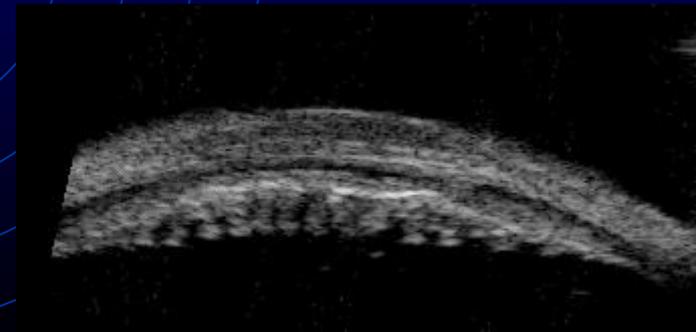
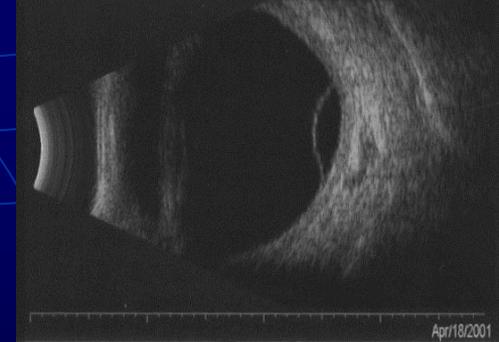
Eco:

150 micron

50 micron



RIGHT <2303T630 > G= 85dB DYN= 50dB TGC= 0dB 18/18
Quantel Medical CineScan S V.S2.03



ECO- OCT

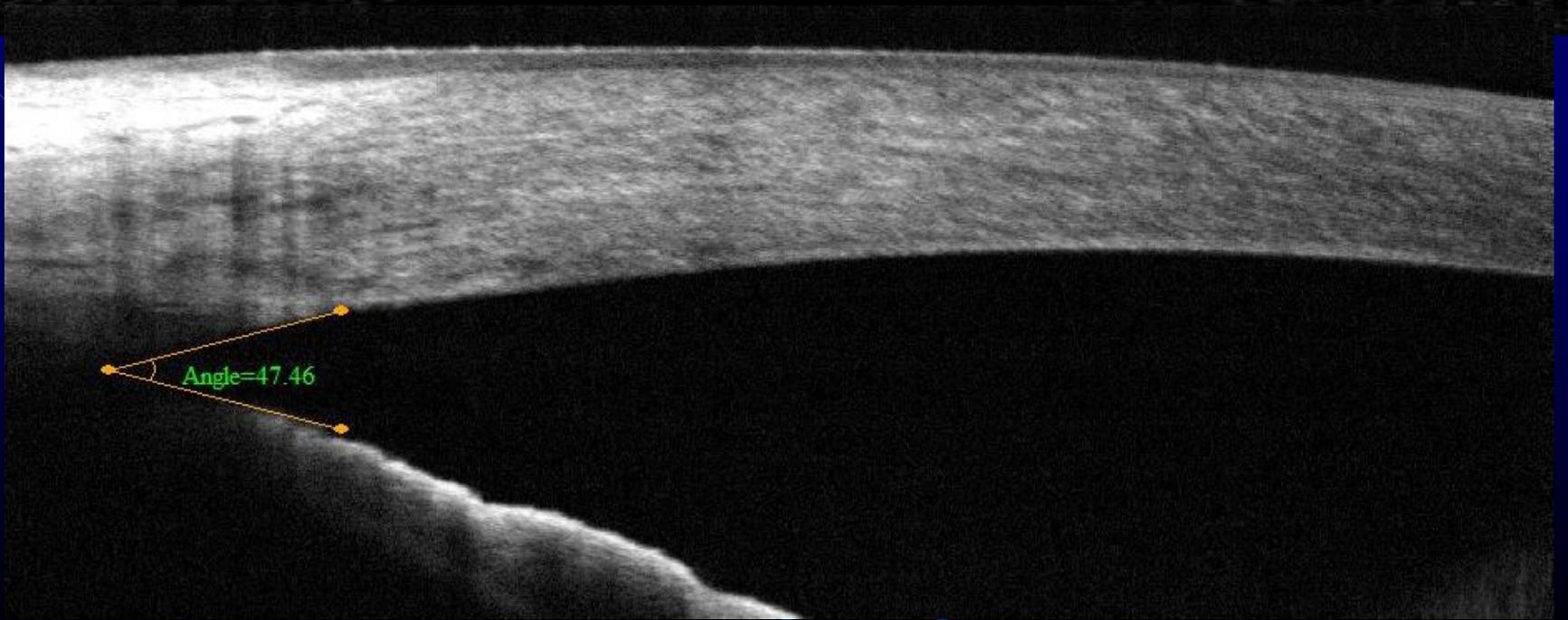
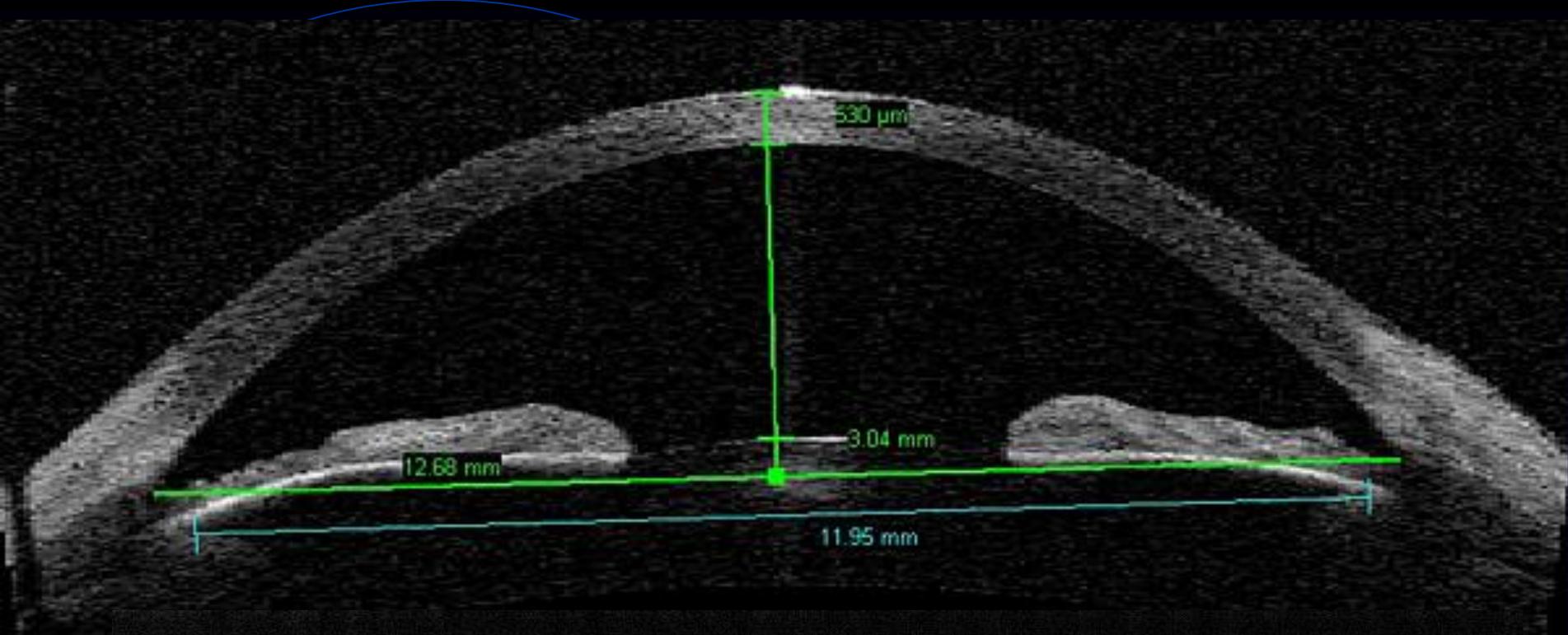
-Segmento anteriore

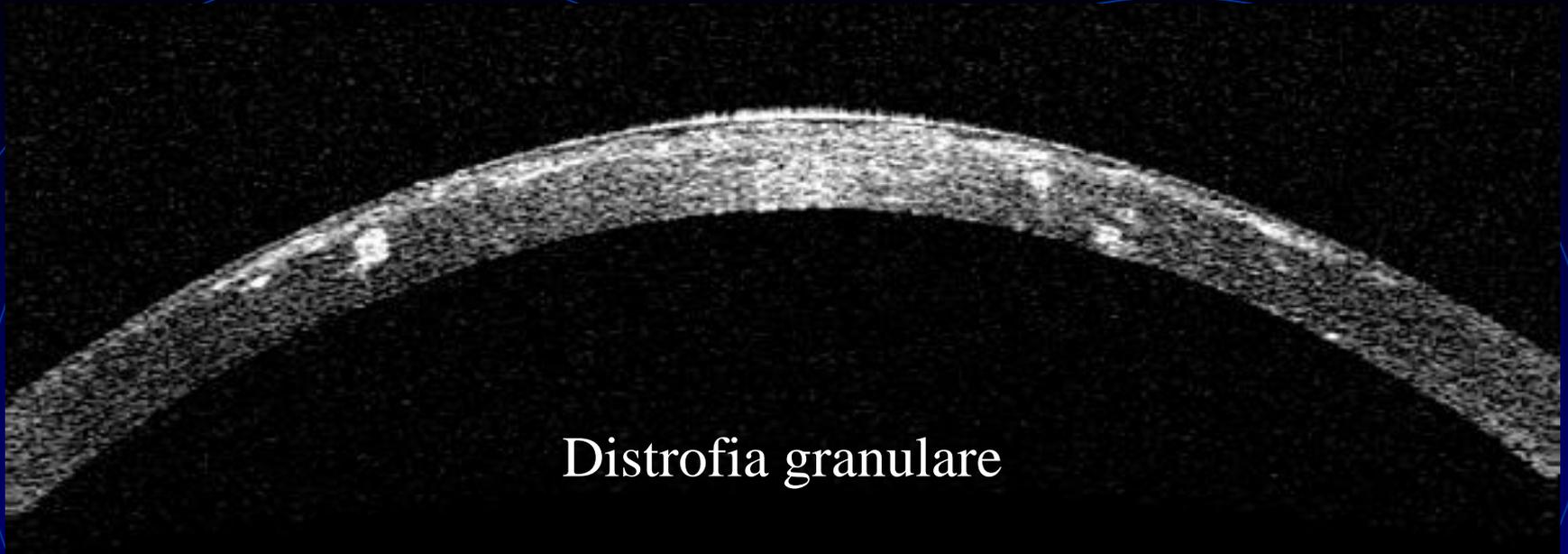
-Segmento posteriore

ECO- OCT

-Segmento anteriore

-Segmento posteriore





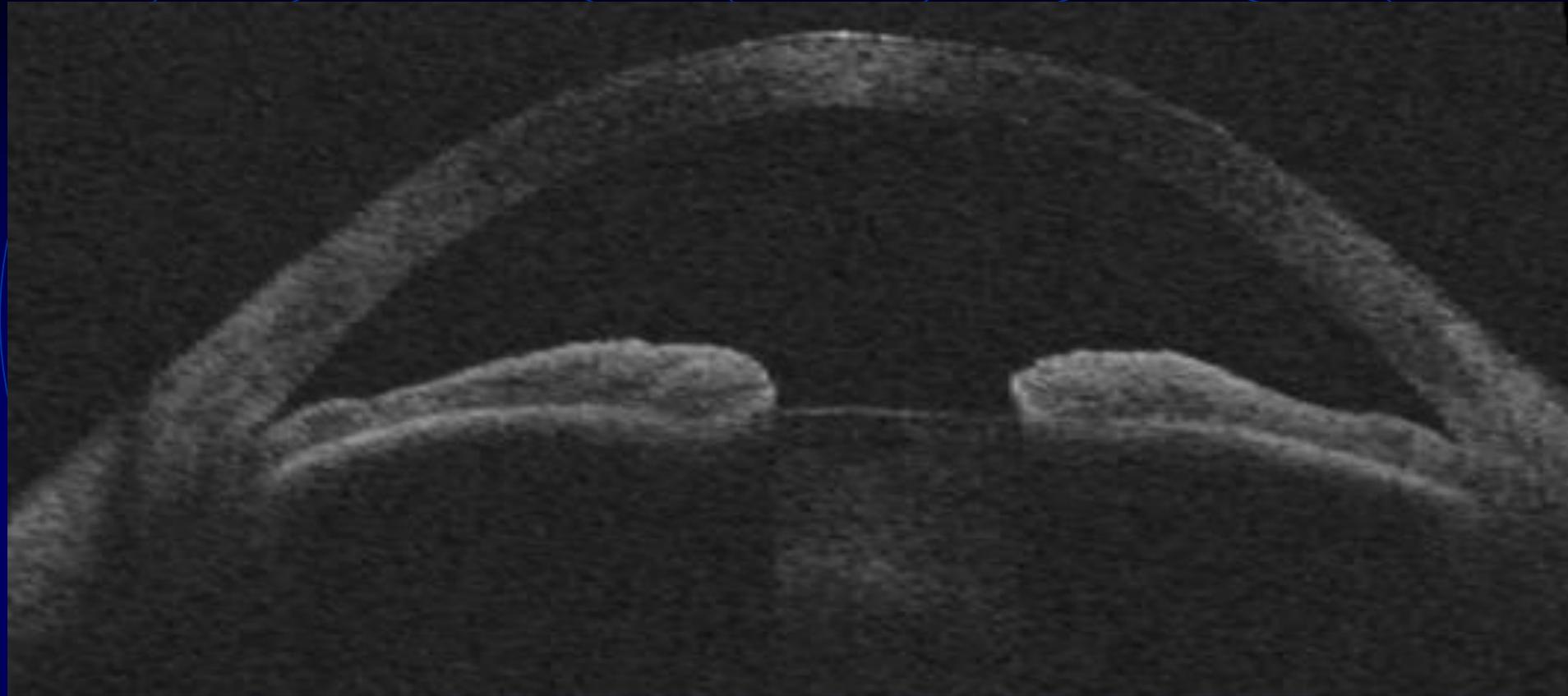
Distrofia granulare



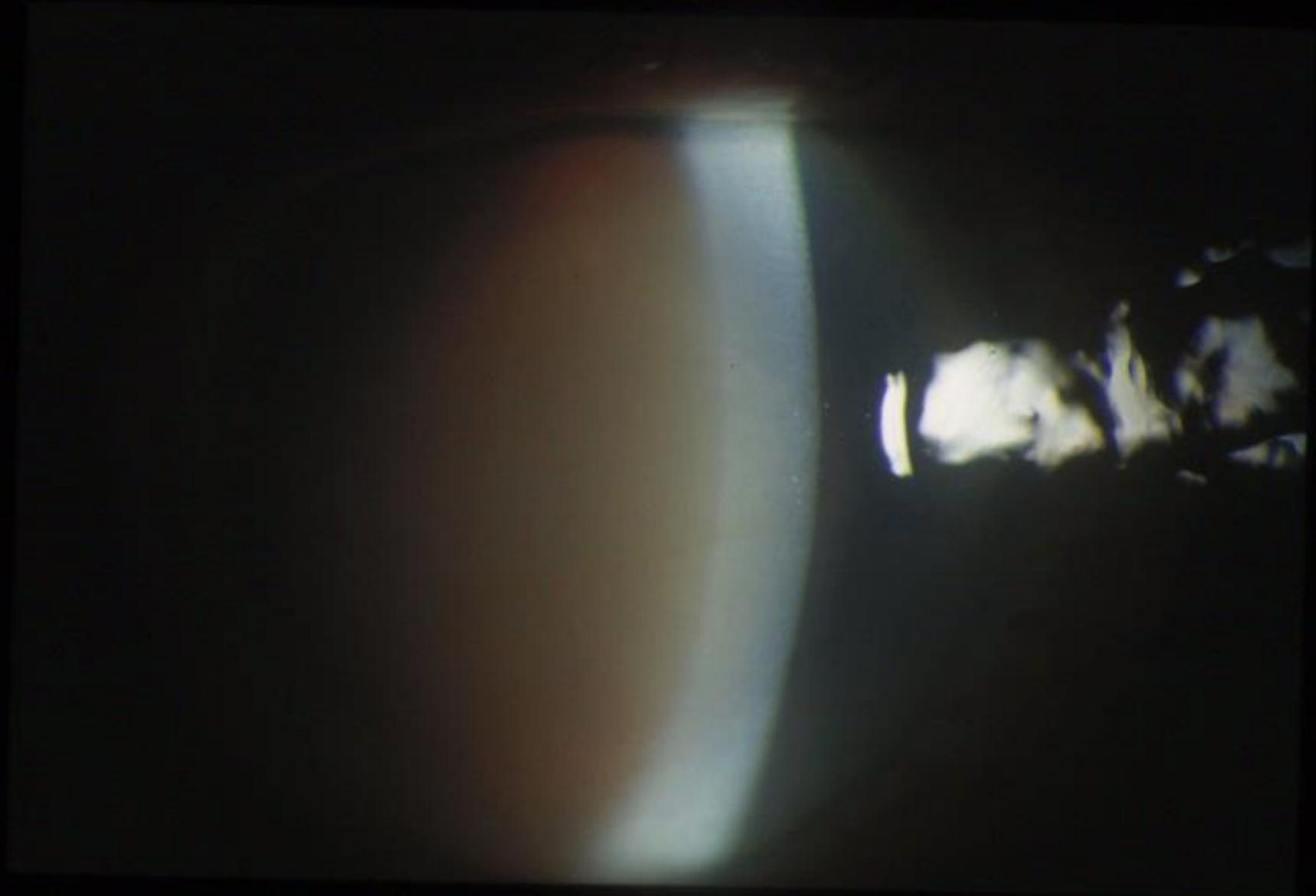
Distrofia di Fuchs



Apice di un cheratocono







SGMENTO ANTERIORE

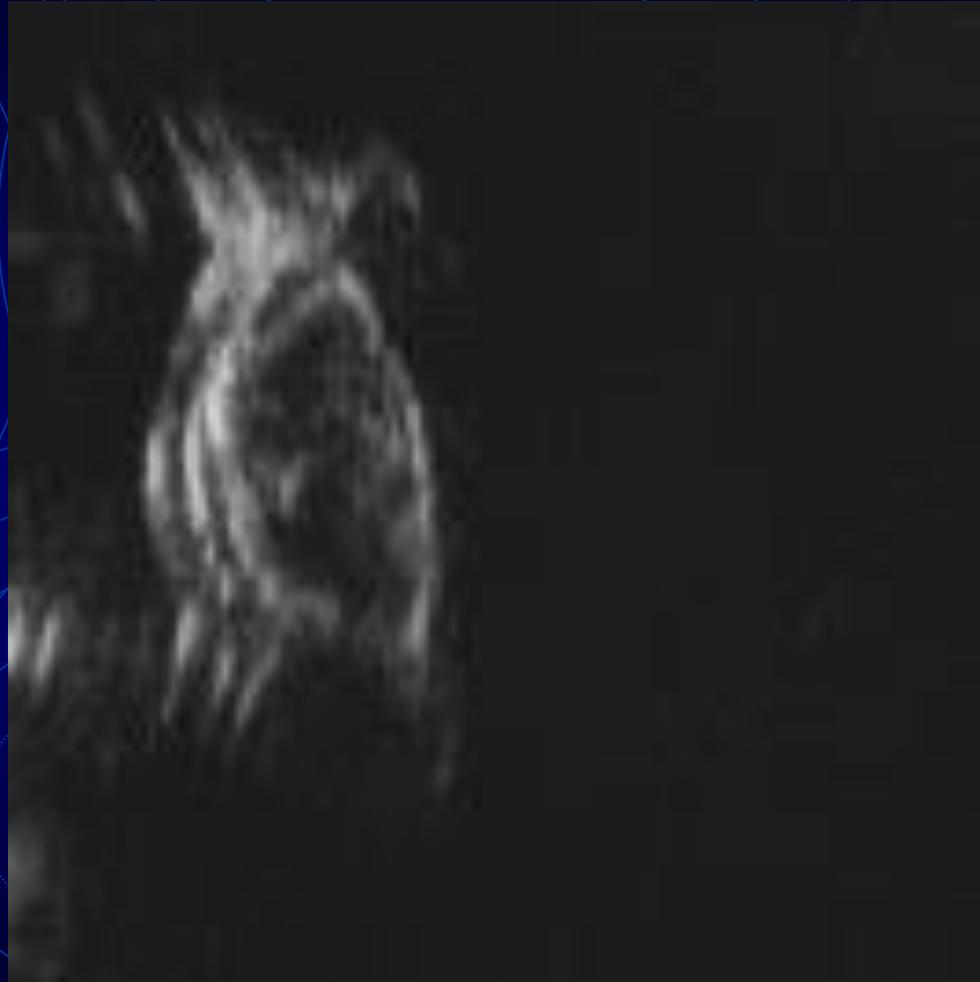
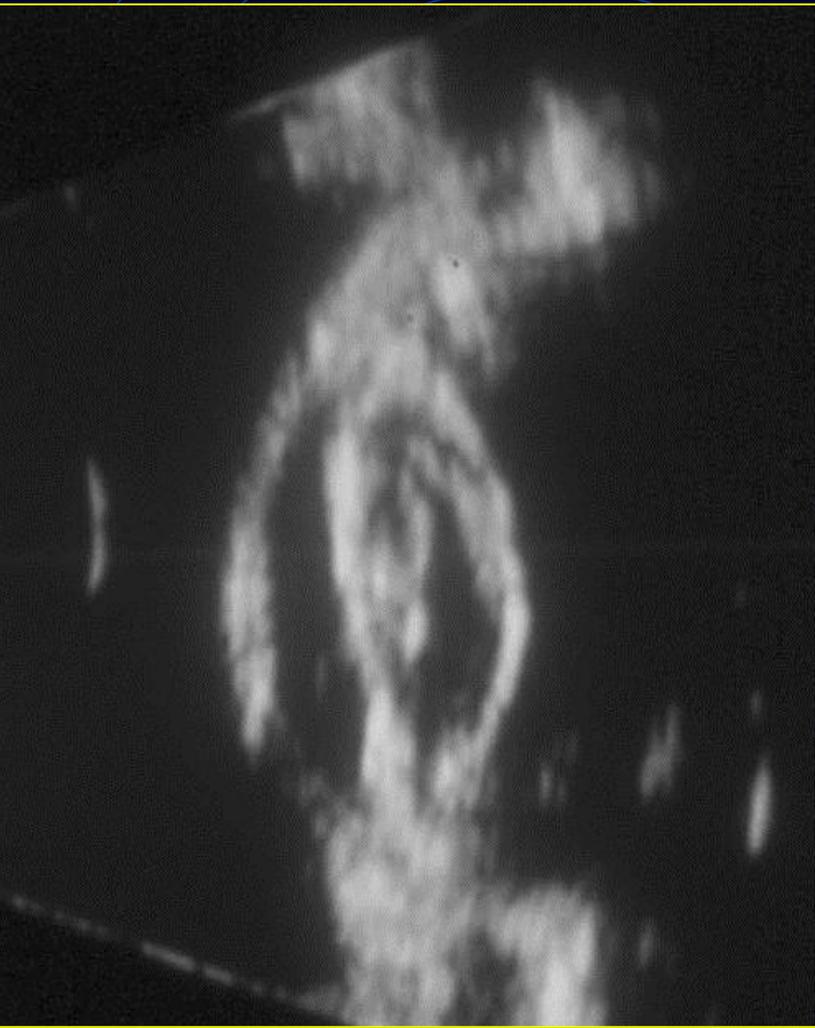
- **Ecografia tradizionale**
- **Ecografia ad alta frequenza**

Ultrasuoni per diagnostica oftalmologica

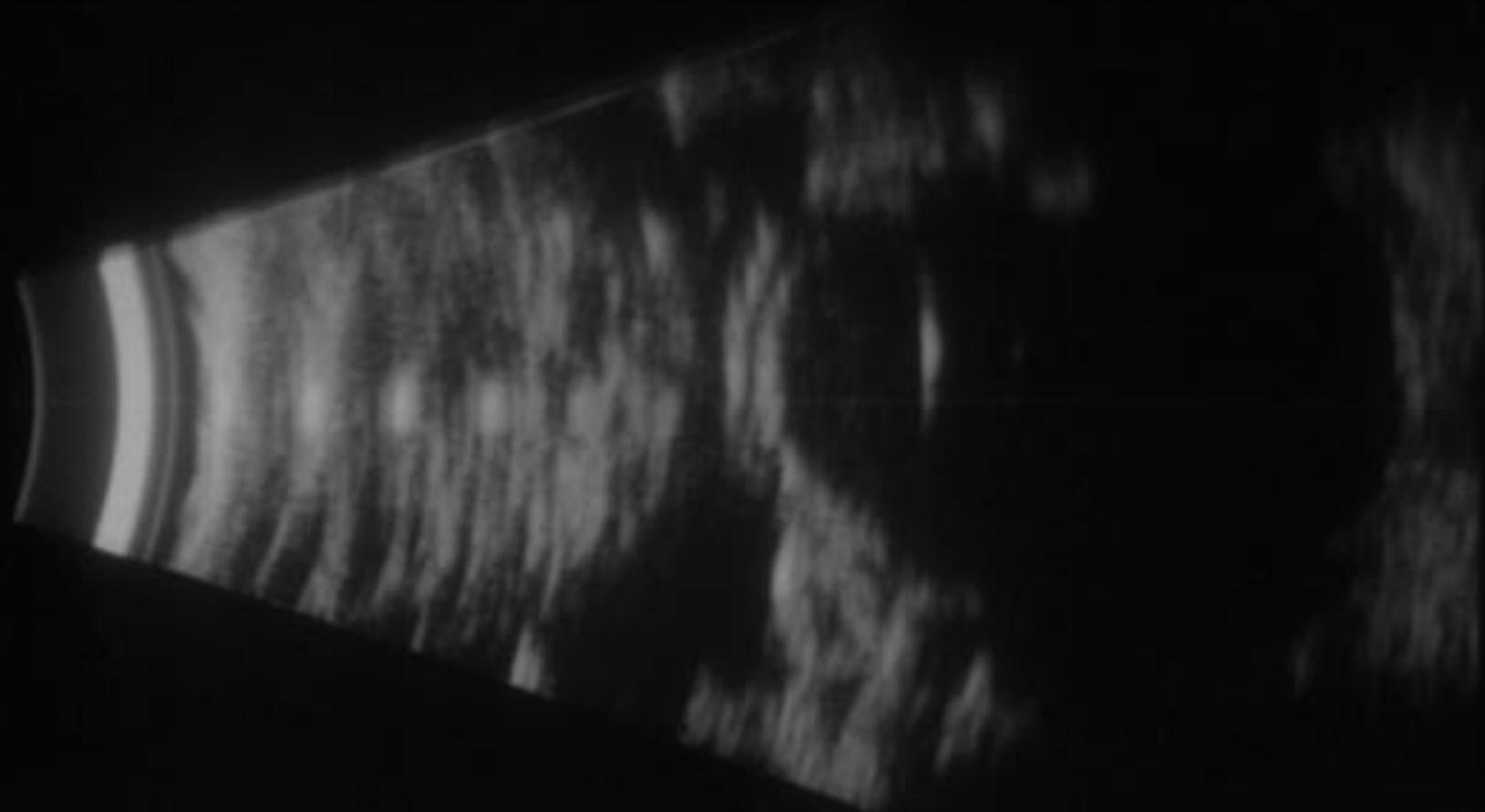
8-50 MHz

Maggiore frequenza = {
maggiore risoluzione
Minore penetrazione

Apparecchiature dedicate



15614 03 VAX

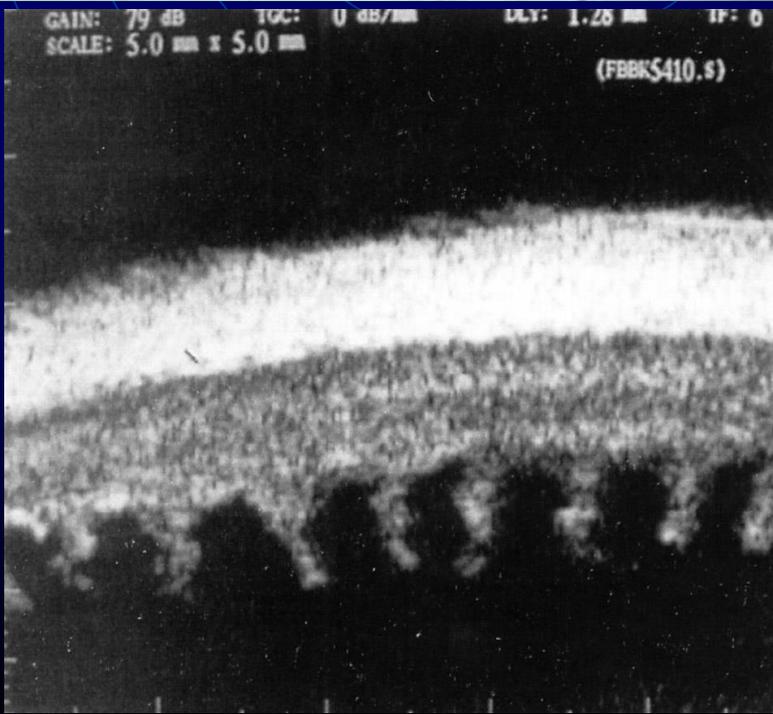
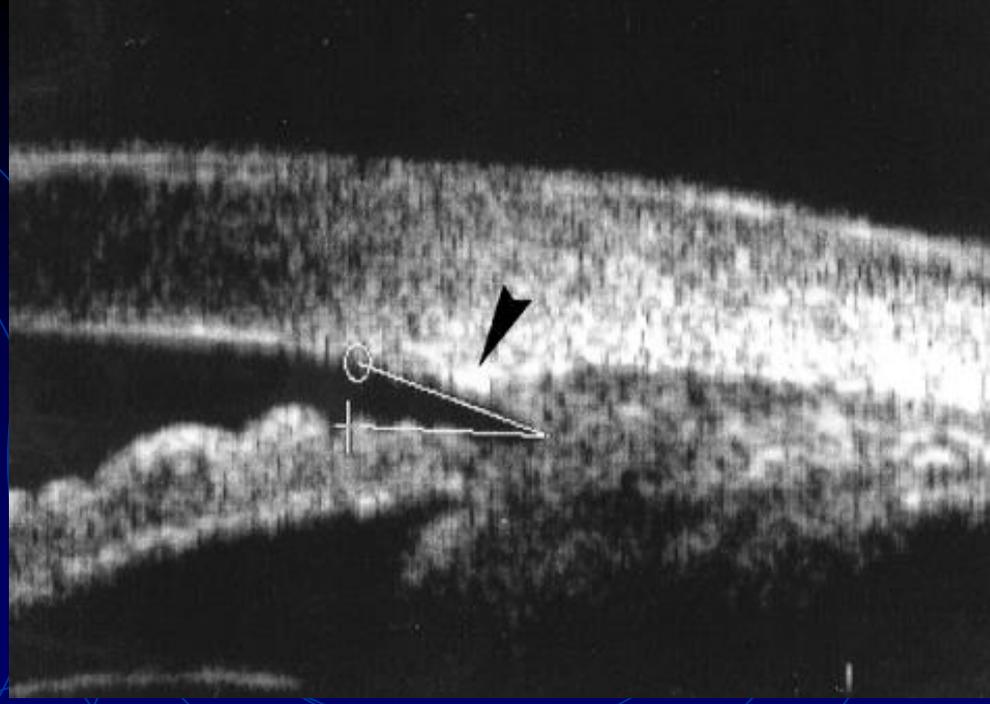
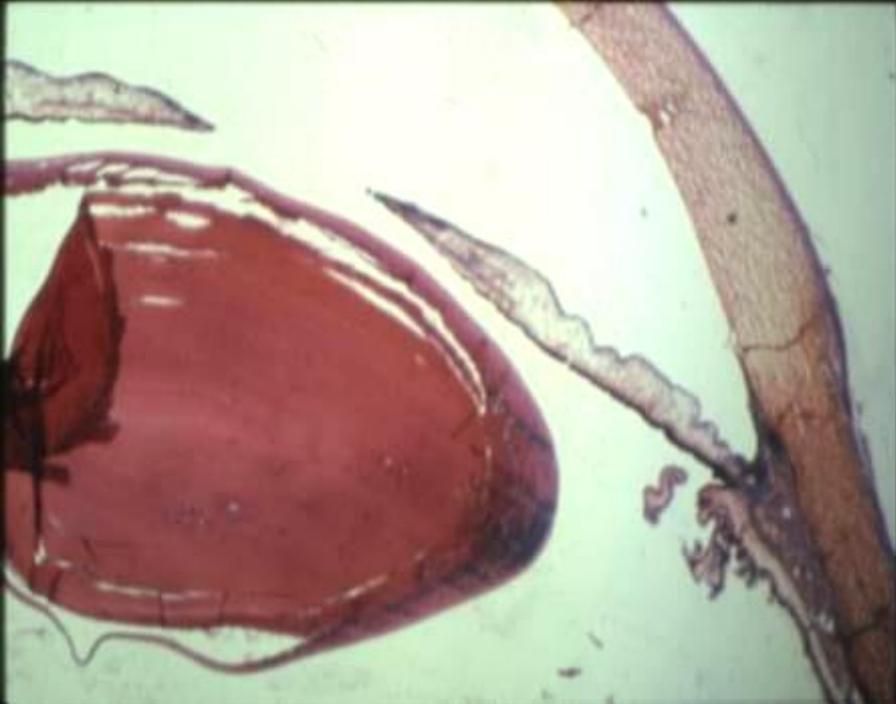


G=79 A=41 D=51 Date03-10-94 09H

ULTRASUONI AD ALTA FREQUENZA (35- 50 MHz)



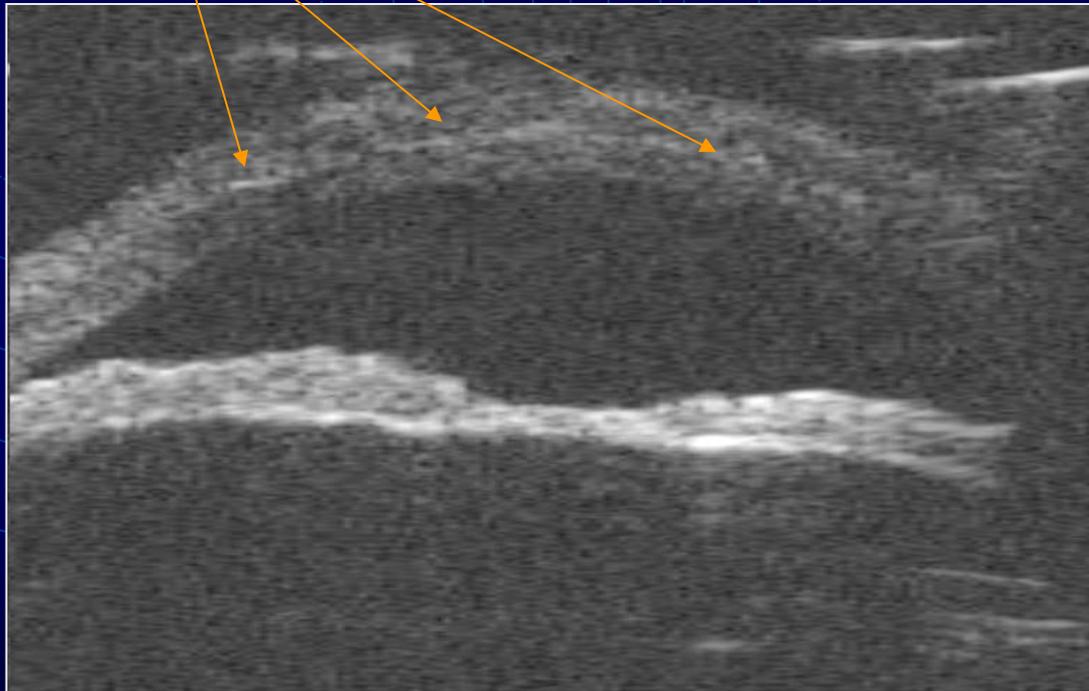
20-60 micron



50 MHz LIN PROBE

Peter GOOD – Birmingham & Midland Eye Centre

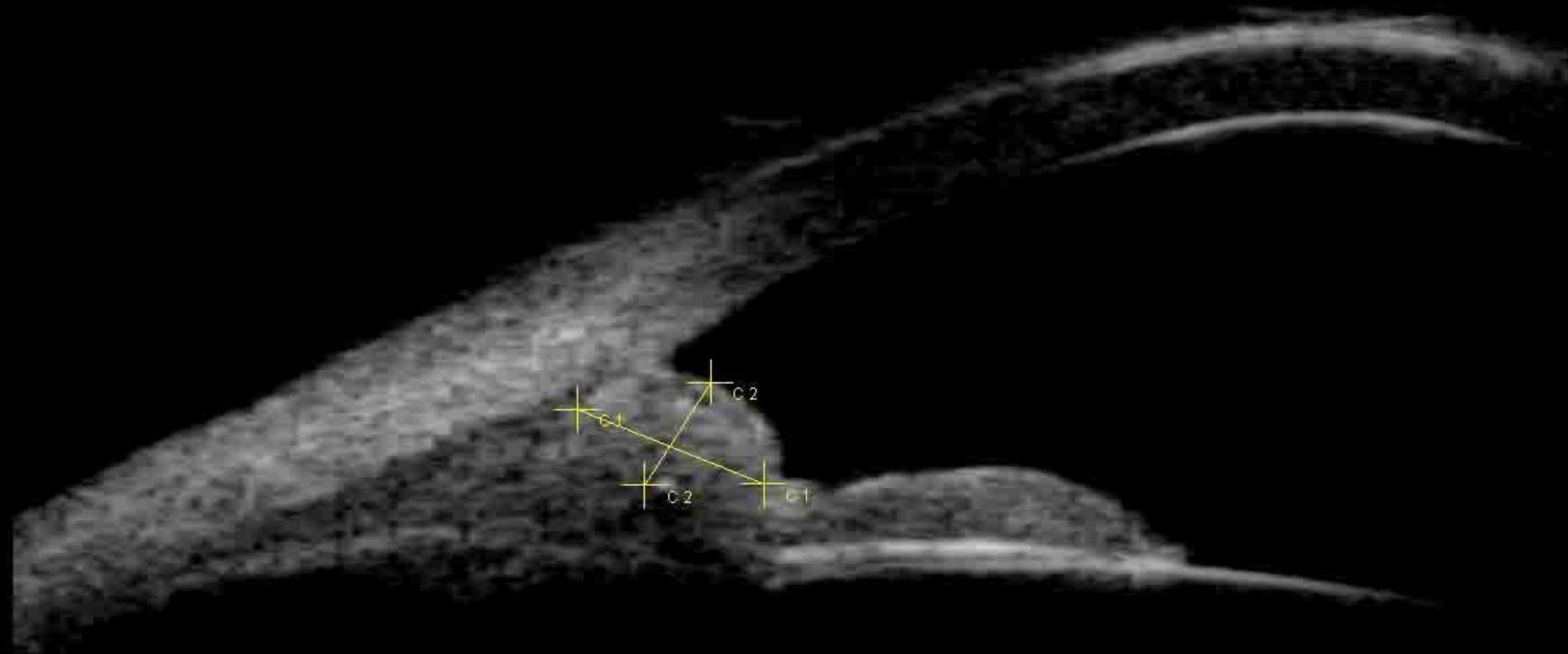
LASIK scar



Lin 50 <L9>

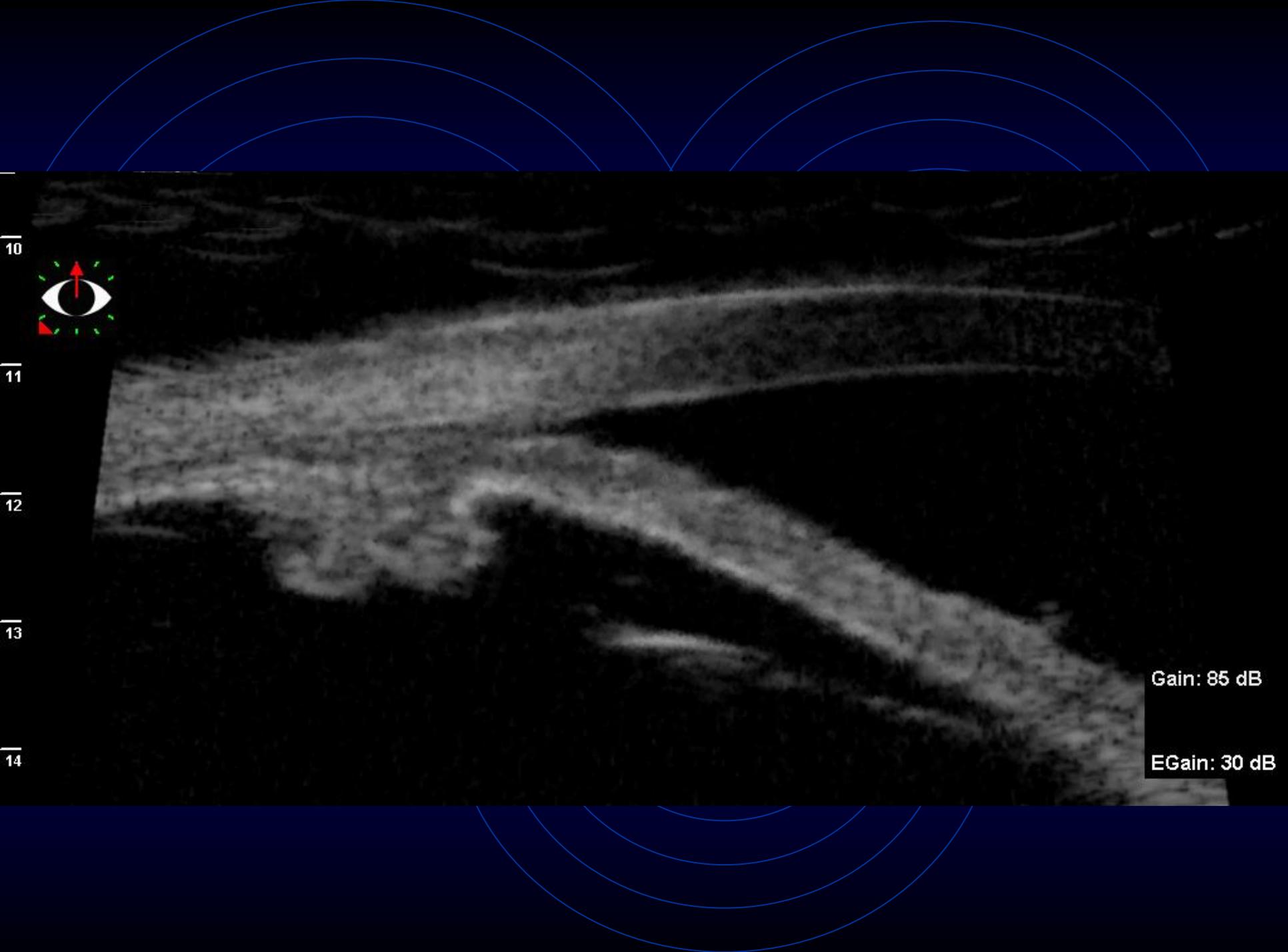
OS QM Aviso S V:3.0.0 - 22 Jun 2010

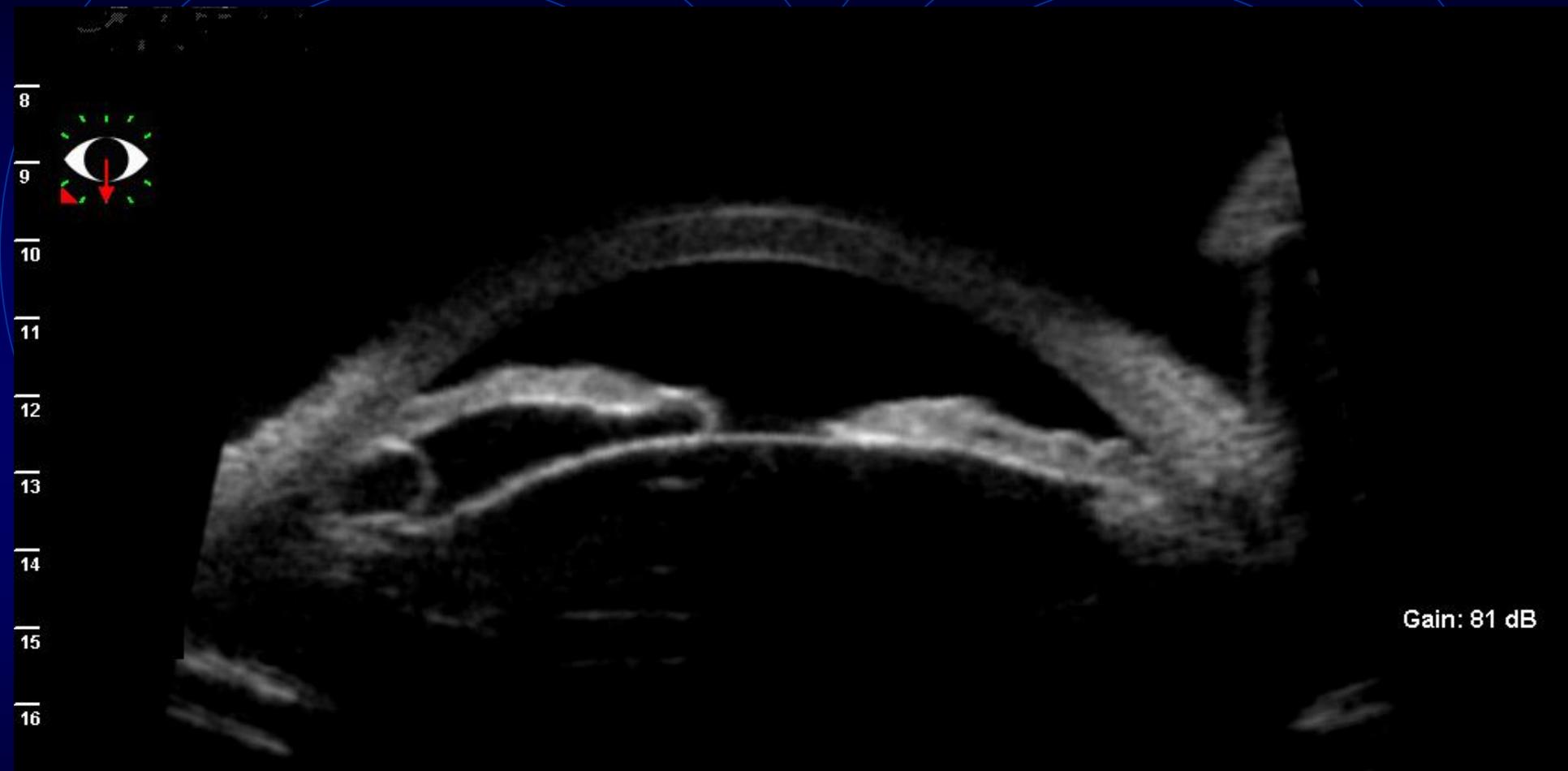
Gain=100dB Dyn=60dB Tgc=0dB



C2 = 0.86mm

C1 = 1.41mm





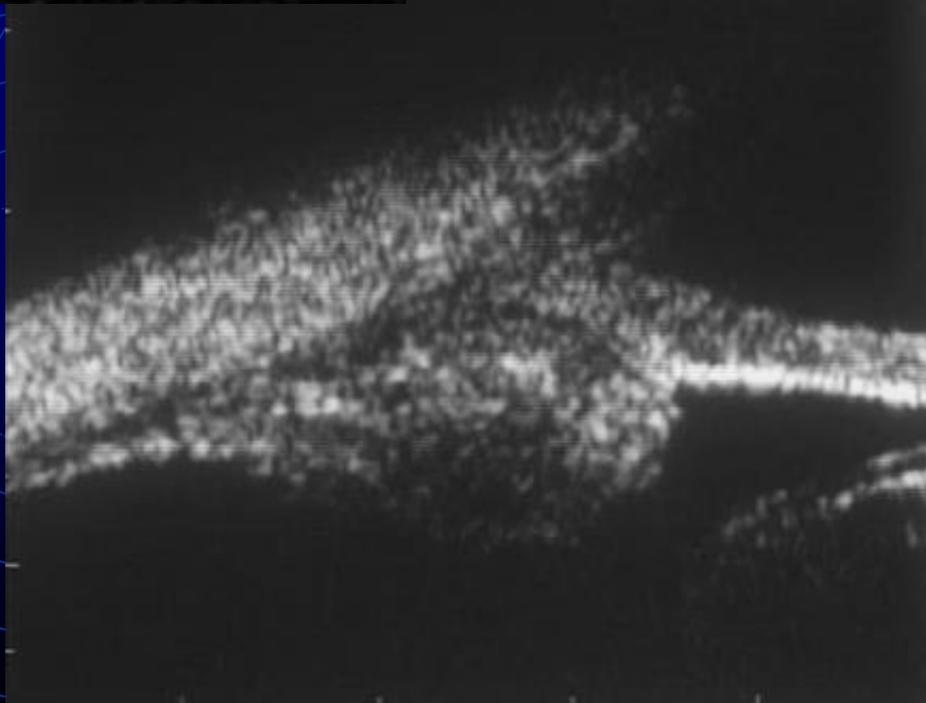
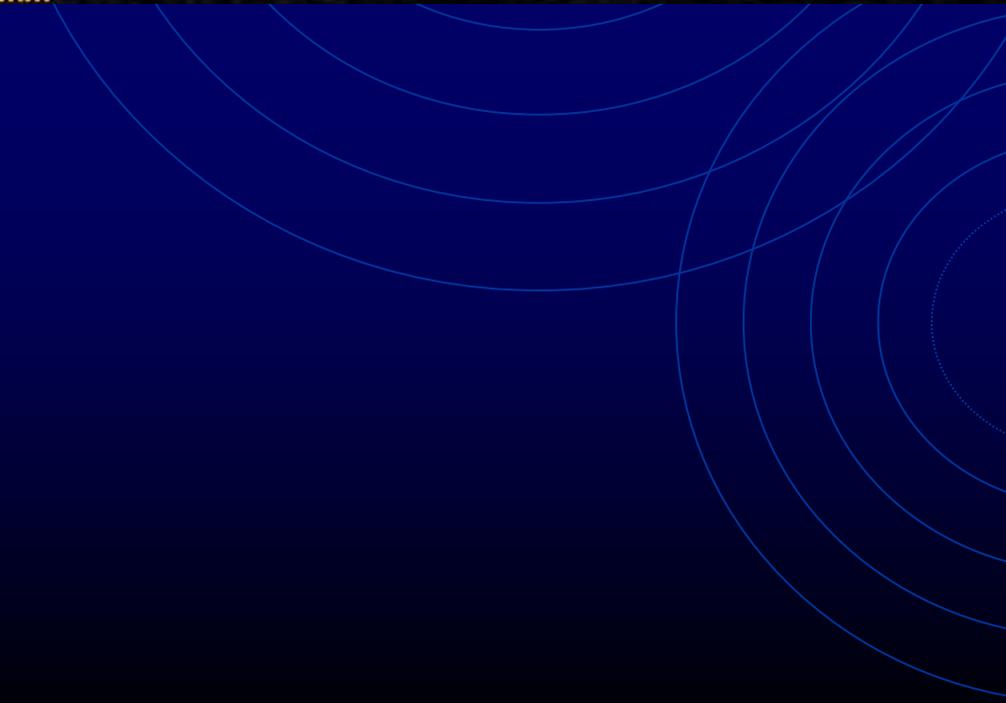
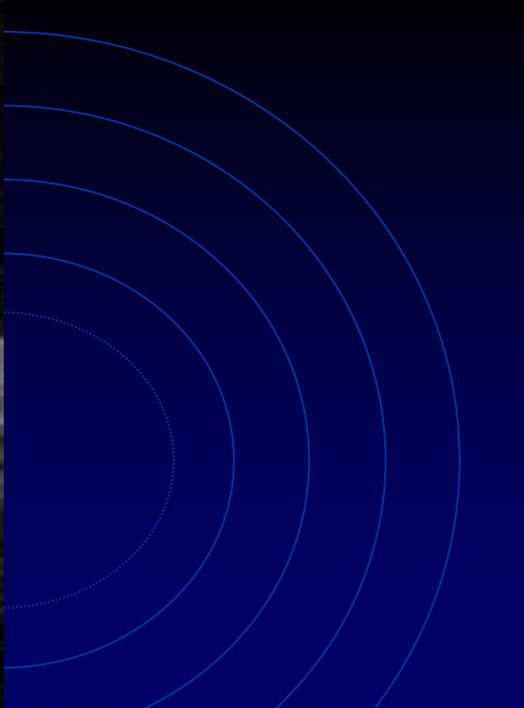
Gain: 81 dB

8
9
10
11
12
13
14
15
16

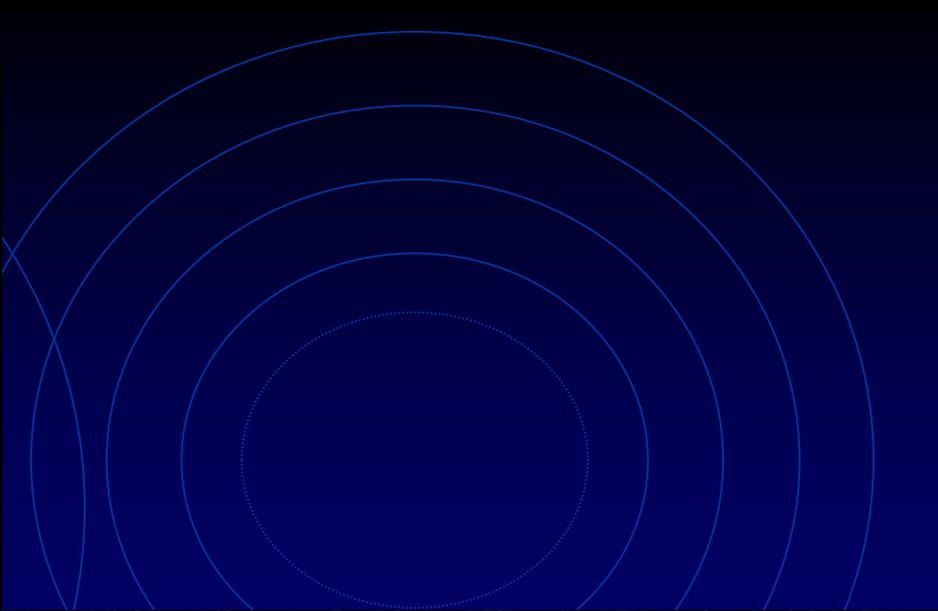
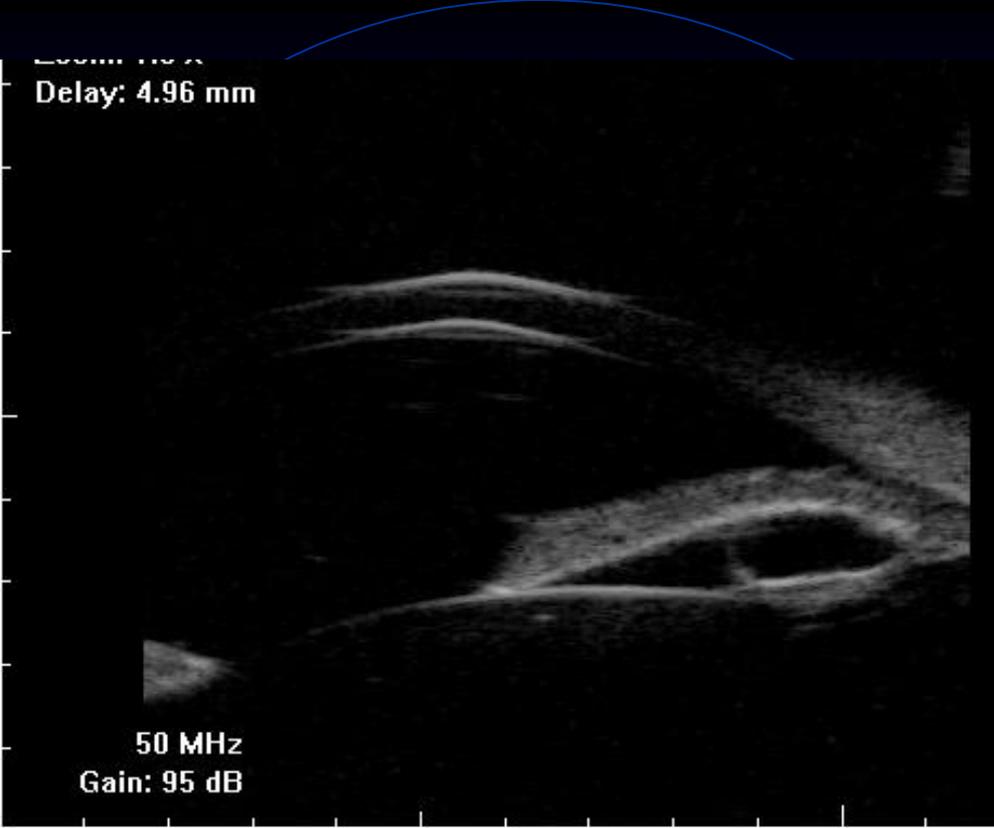




mm



Delay: 4.96 mm



4.96 mm



INDICAZIONI DELL' OCT

Mezzi diottrici trasparenti

INDICAZIONI DELL' ECOGRAFIA

Mezzi diottrici trasparenti

Mezzi diottrici opachi

TAKE HOME MESSAGE

Cornea trasparente

	Cornea	Angolo	Iride	Camera posteriore etc
ECOGRAFIA	-	+/-	+	++
OCT	+	+/-	+/-	+/-

Cornea opaca

	Cornea	Angolo	Iride	Camera posteriore etc
ECOGRAFIA	+	++	+	++
OCT	+	+	+/-	-



siDUO

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Lungomare di Napoli

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