

Image Fusion

från ultraljudets perspektiv

{ Uppsala 2013-09-03
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- ⌘ Liten kub bredvid patienten – elektromagnetiskt fält.
- ⌘ Sensor fästs vid transducern.
- ⌘ Bilder från en äldre undersökning av annan modalitet plockas upp direkt från PACS eller via USB.

Hur fungerar det?

Få bilderna att passa ihop!

- ⌘ Auto
- ⌘ Matcha punkter som är identifierbara på båda modaliteterna, t.ex. kärlavgångar, njurpol etc.
- ⌘ Drag-and-drop

Hur fungerar det?

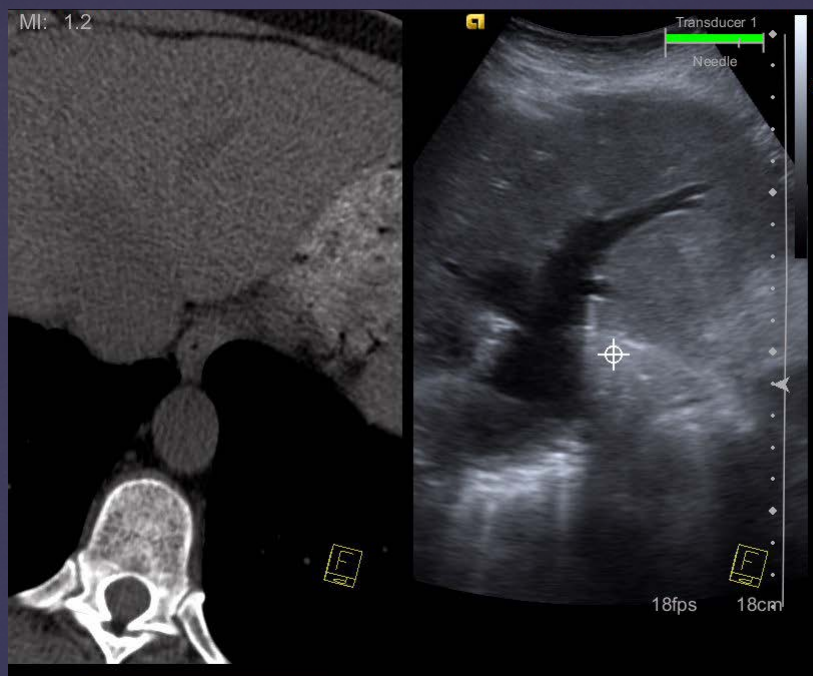
& Behöver vi det?

& Vad ska vi ha det till?

& Fungerar det?

& Från vår synvinkel.....

Uppenbara frågor:



Fungerar det (PACS,
lätthet, anatomiskt)???

Form for patient data entry:

From: [] To: [] Node: **userpac**

Study Date: [] Accession Number: []

Female: [] Modality: Computer Tomography

Study Description: [] Body Part Exam: []

Study ID: [] Series Description: []

Referring Physician: [] Performing Physician: []

Reporting Physician: [] Approval Status: []

Copy

Female

Part	Description	No. of Instances	Part Physician	PPS Date	PPS Time	Location	System
KOMEN	Topogram 0.8 T20s	1					userpacFR
KOMEN	Buk +C 3.0 B31f	185					userpacFR
KOMEN	Buk +C 5.0 SAG	73					userpacFR
KOMEN	Buk +C 5.0 COR	65					userpacFR
	Bukpac Backup	1					userpacFR

Local Database

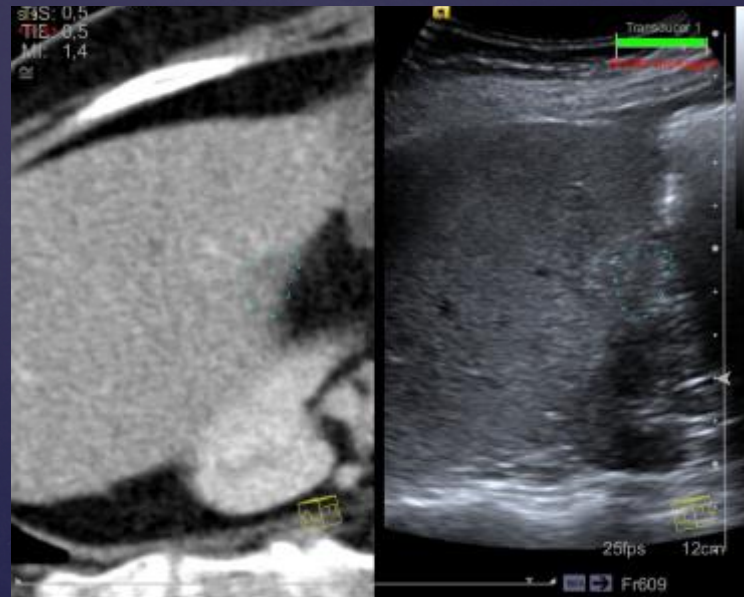
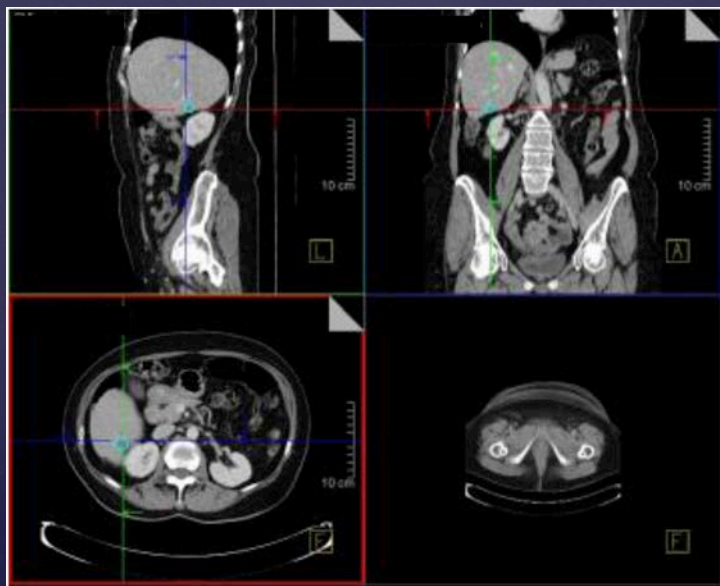
Scheduler

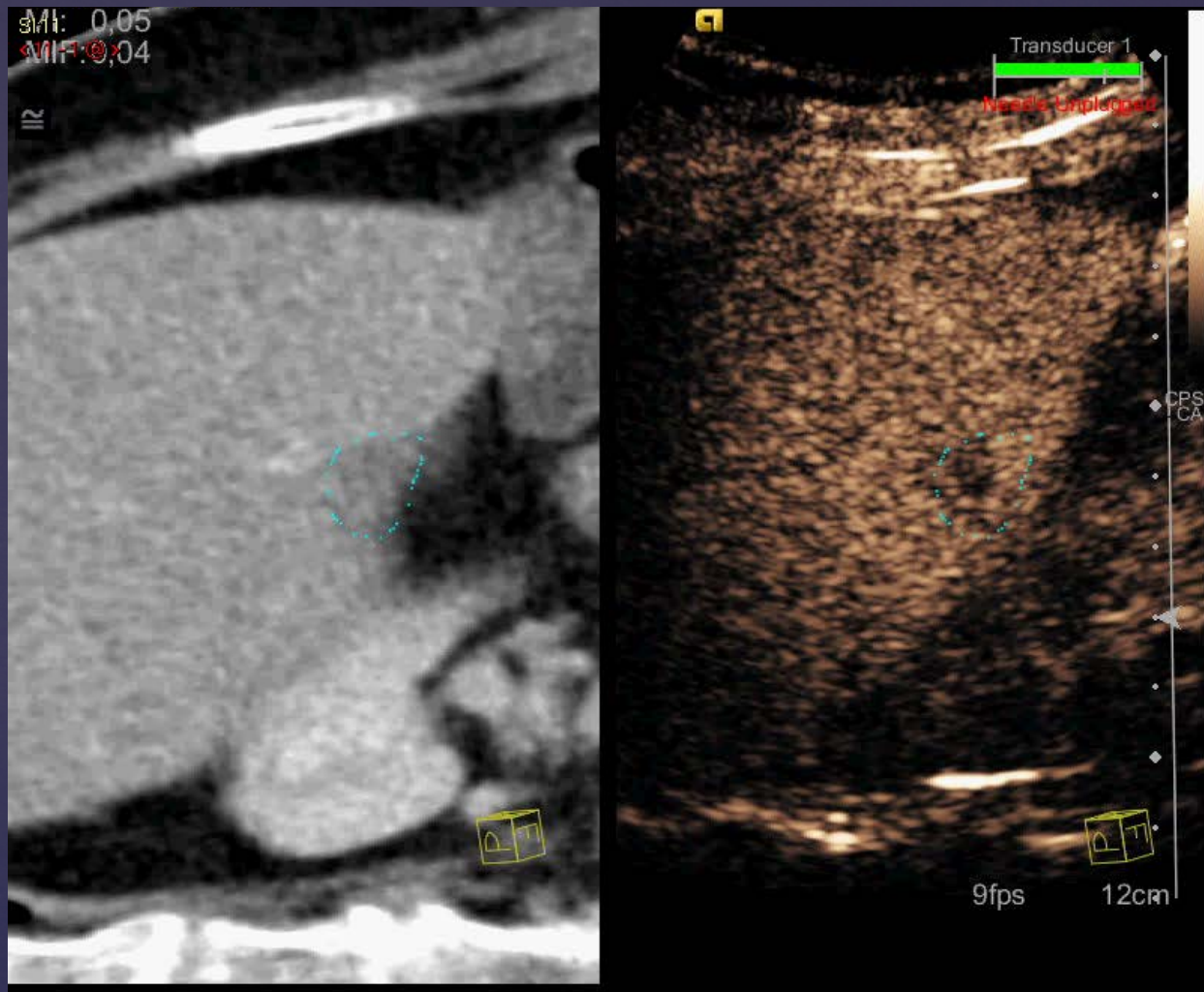
CD-R

DT BUK

[2] Buk +C 3.0 B31f

Patient Name [] Patient ID [] Instances [] Work Status []





Totaltid: 9 min 52 sek.

- ⌘ Beror av vad man sysslar med och..
- ⌘ Hur intresserad man är.



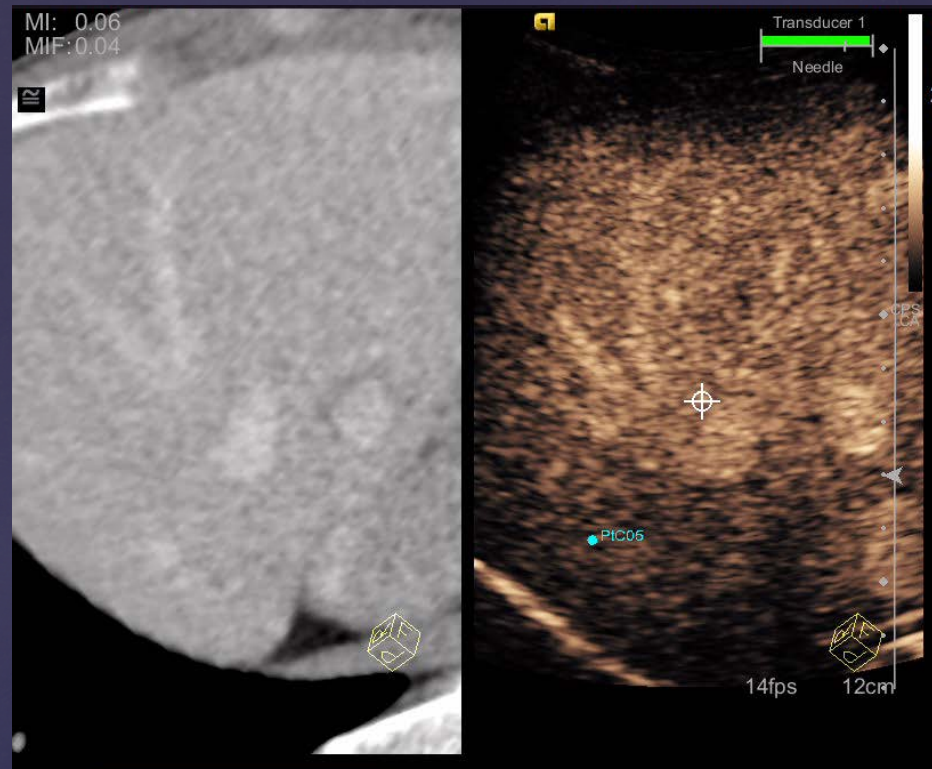
Behöver vi det?

- ⌘ Räkna förändringar
- ⌘ Hålla reda på anatomin
- ⌘ Hitta CT el. MR fynd på ulj och...
- ⌘ ev. biopsa
- ⌘ Post ablation

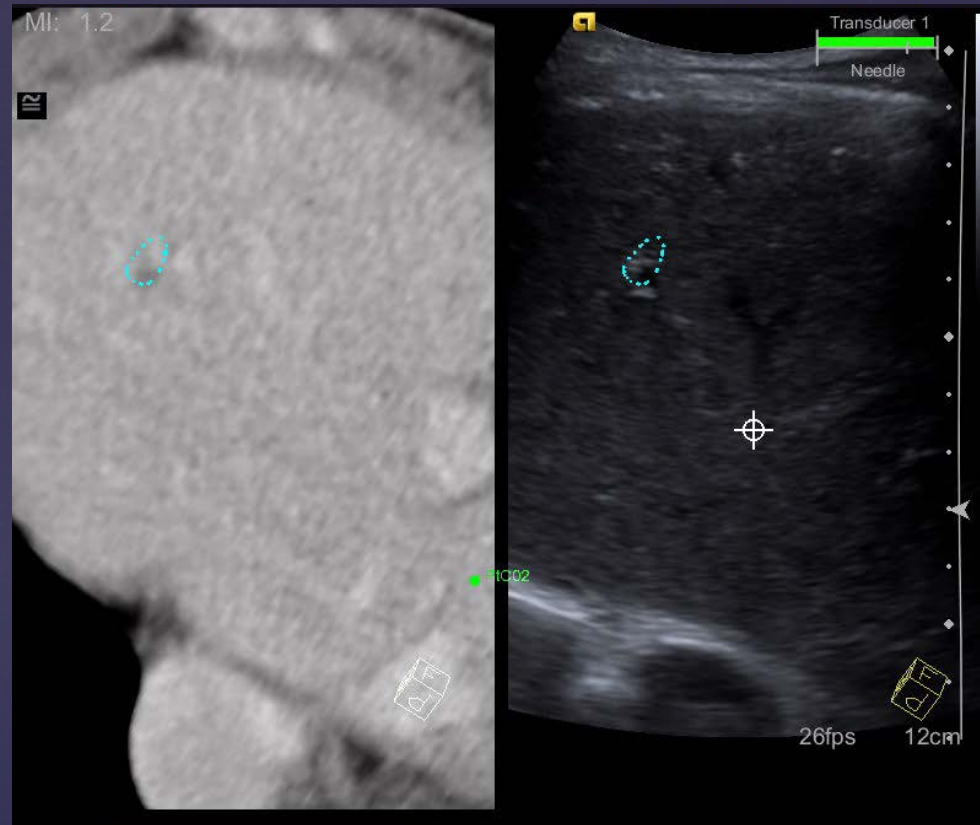
Vad ska vi ha det till?



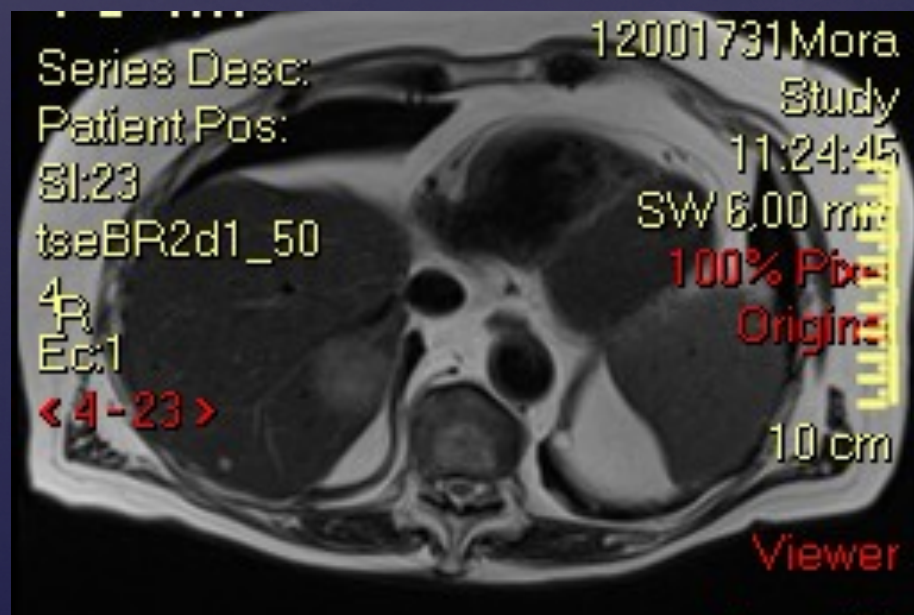
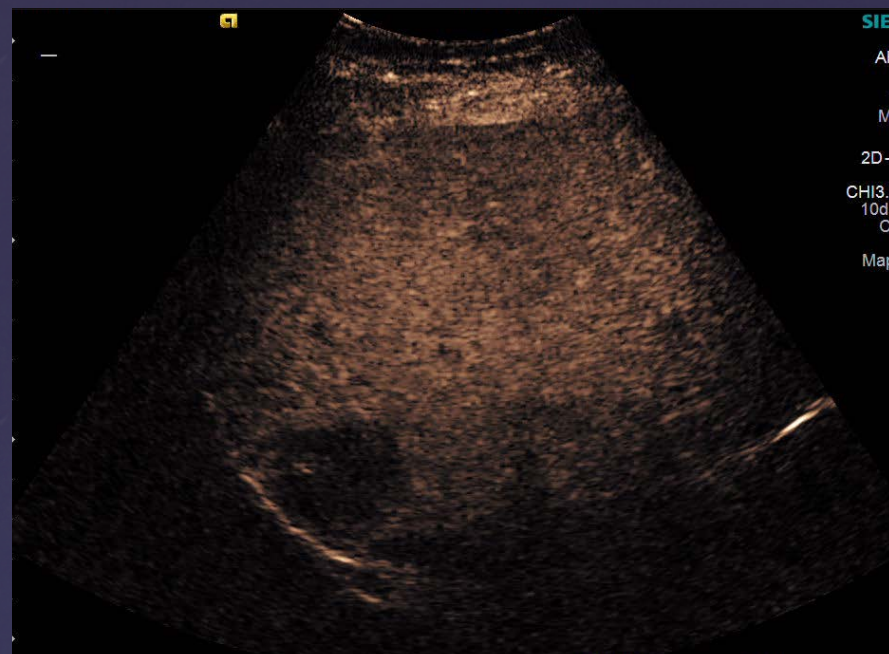
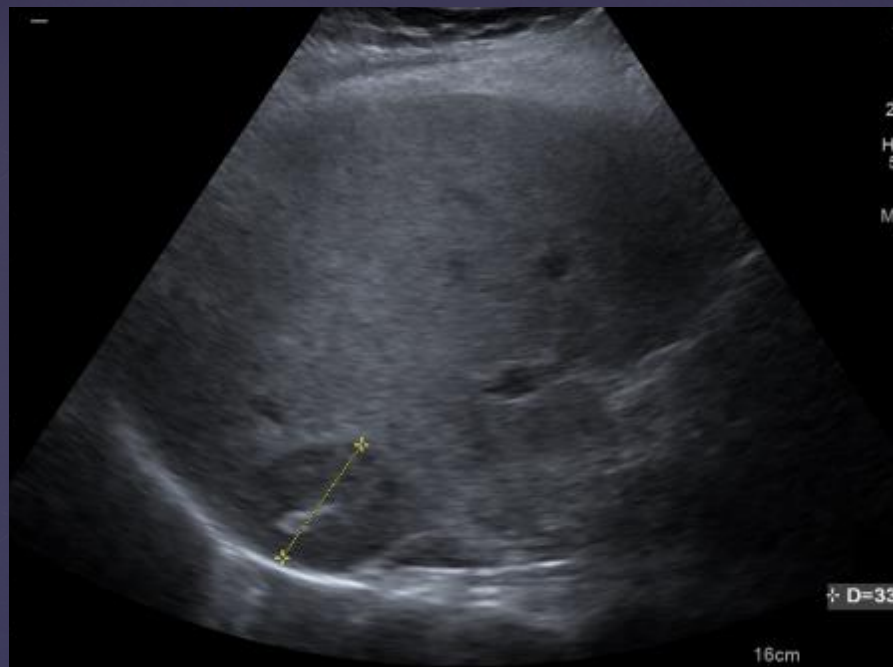
Räkna förändringar /
hålla reda på anatomin

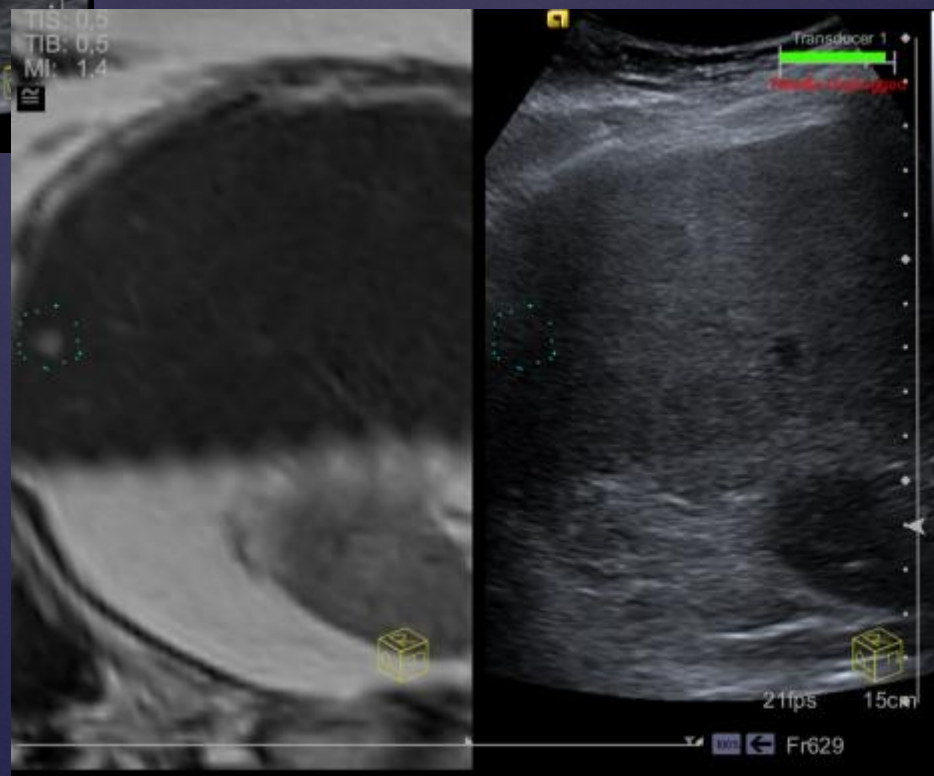
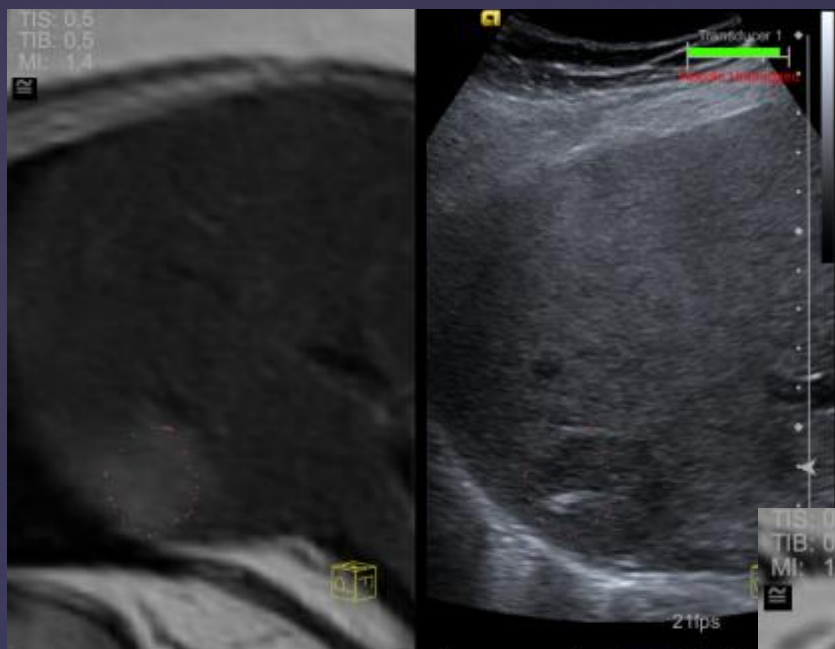


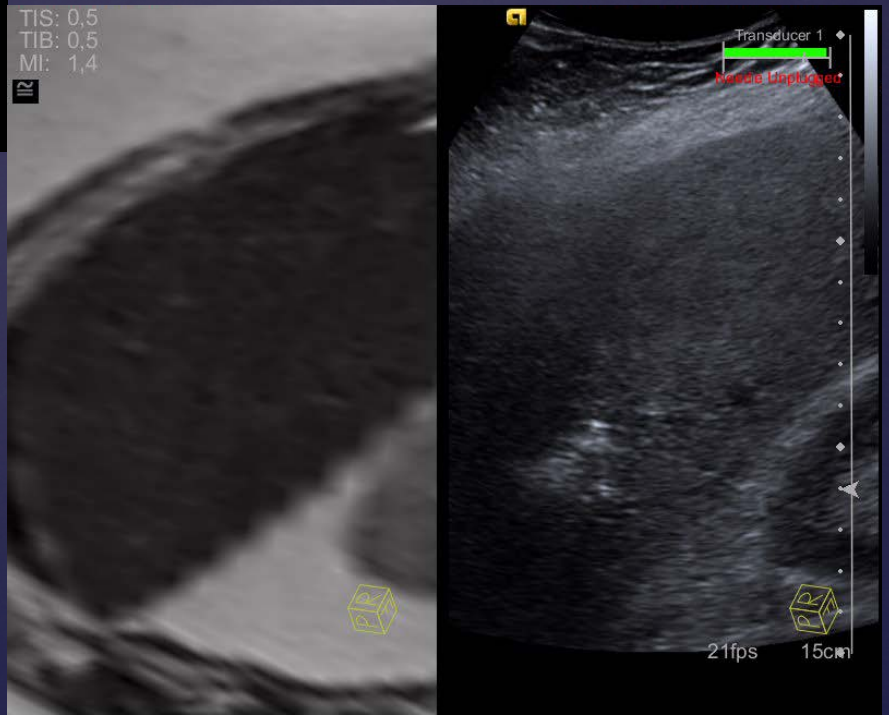
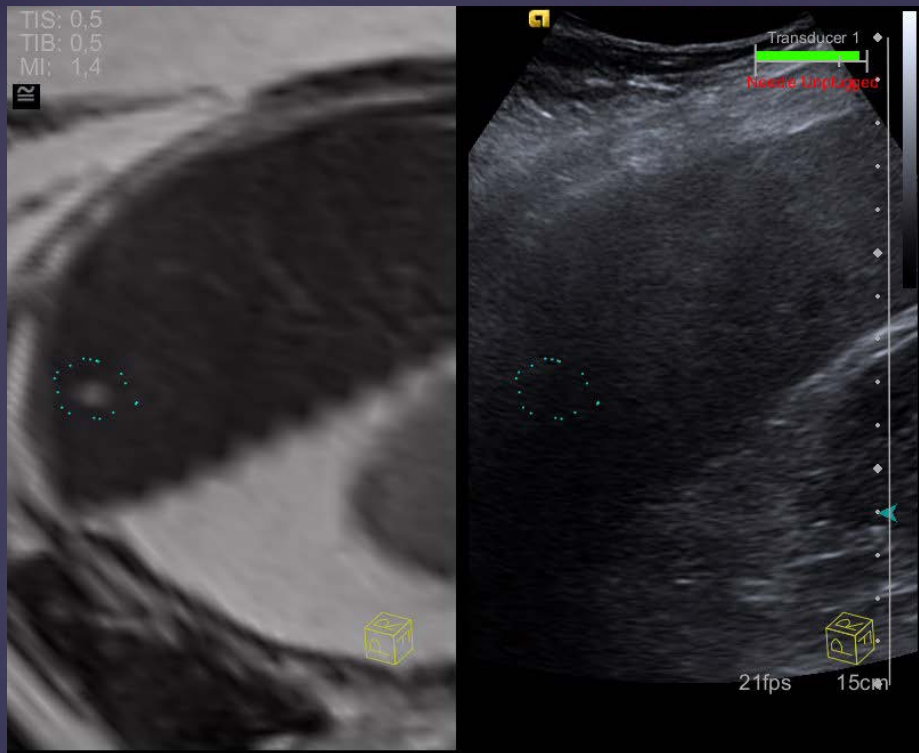
Hitta CT / MR fynd

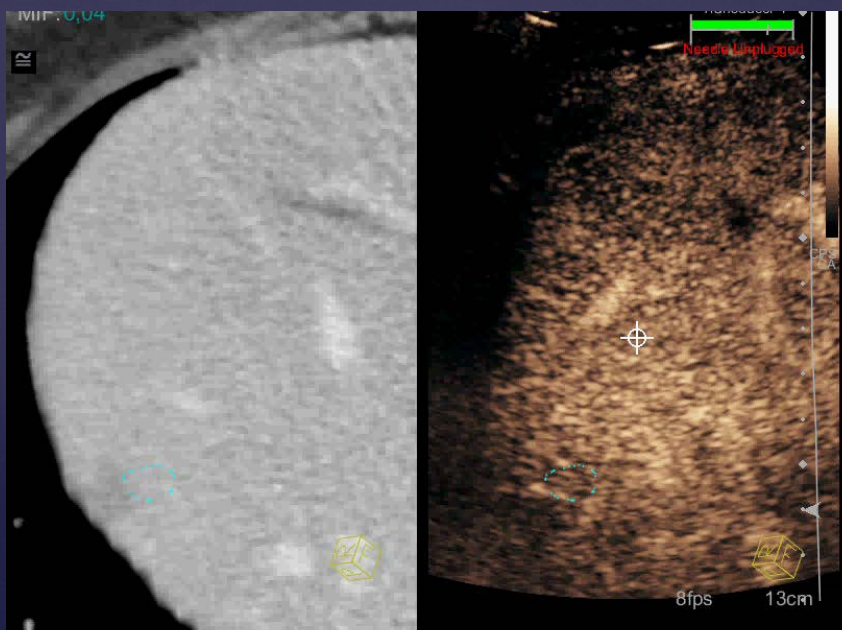
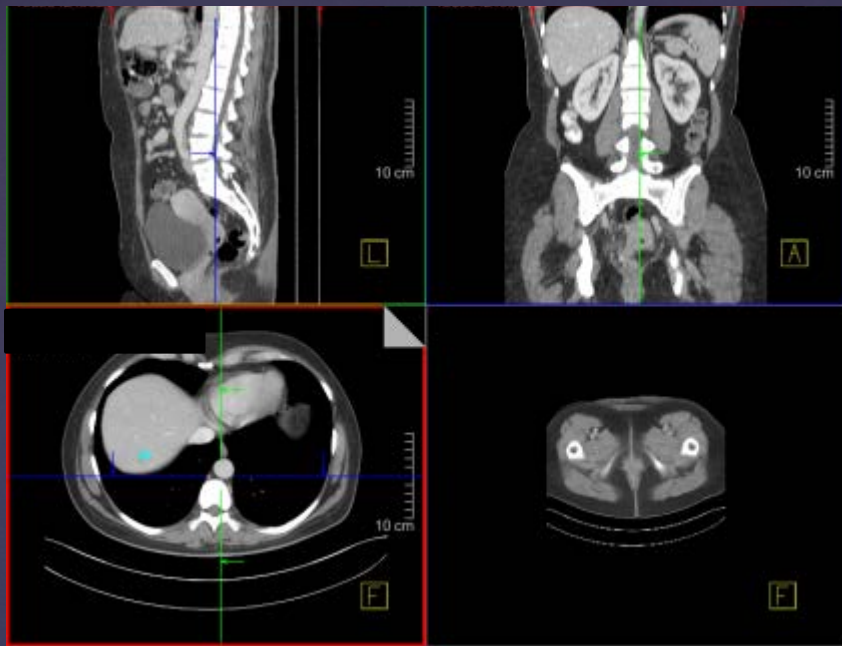


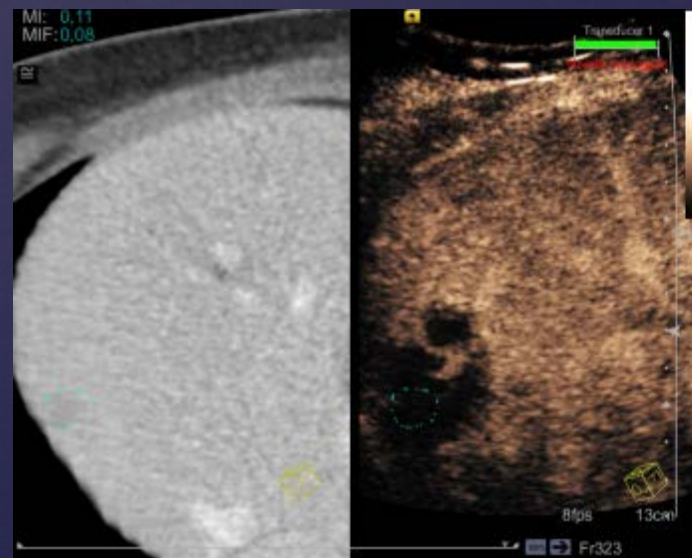
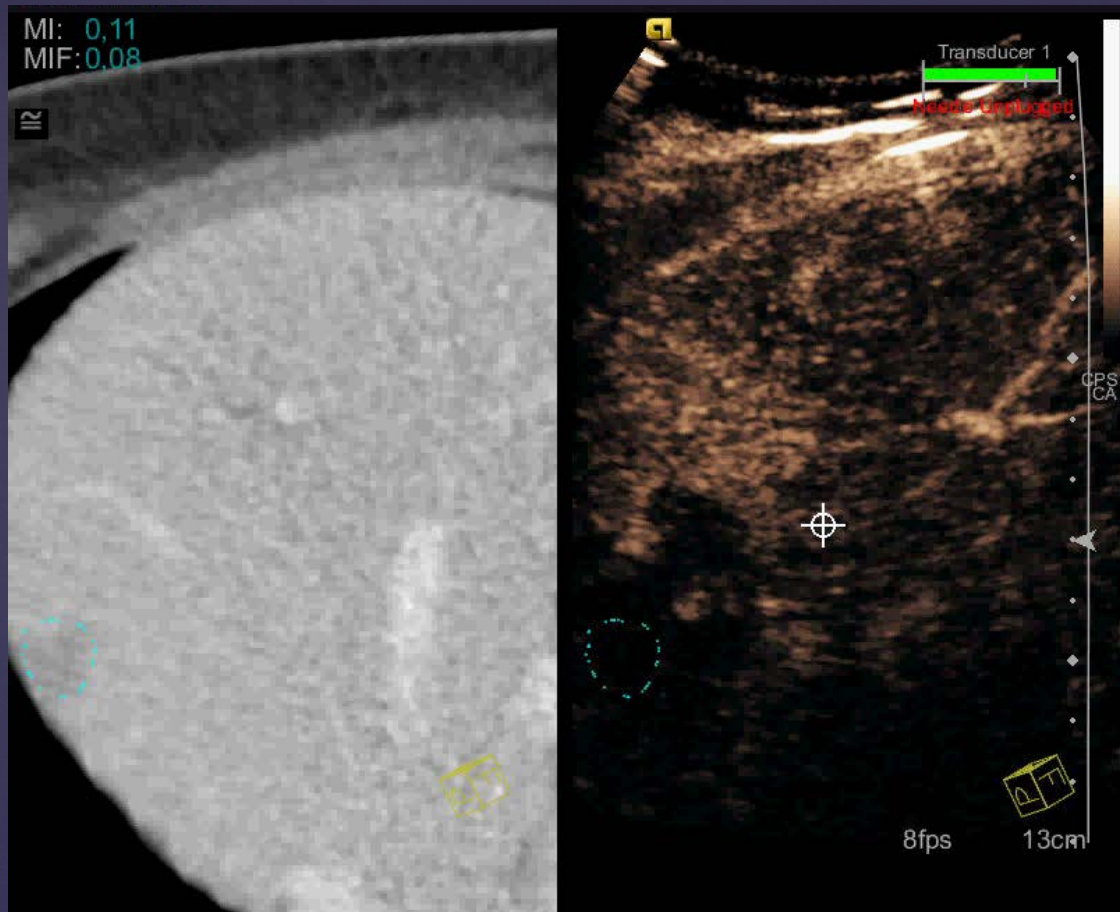
Ev. biopsi











- ⌘ Funktion?
- ⌘ PACS – ja!
- ⌘ Lätthet – ja!
- ⌘ Anatomi – ja, om man inte litar blint på det
(distorsion, andning)
- ⌘ Nyttä?
- ⌘ Definitivt!!

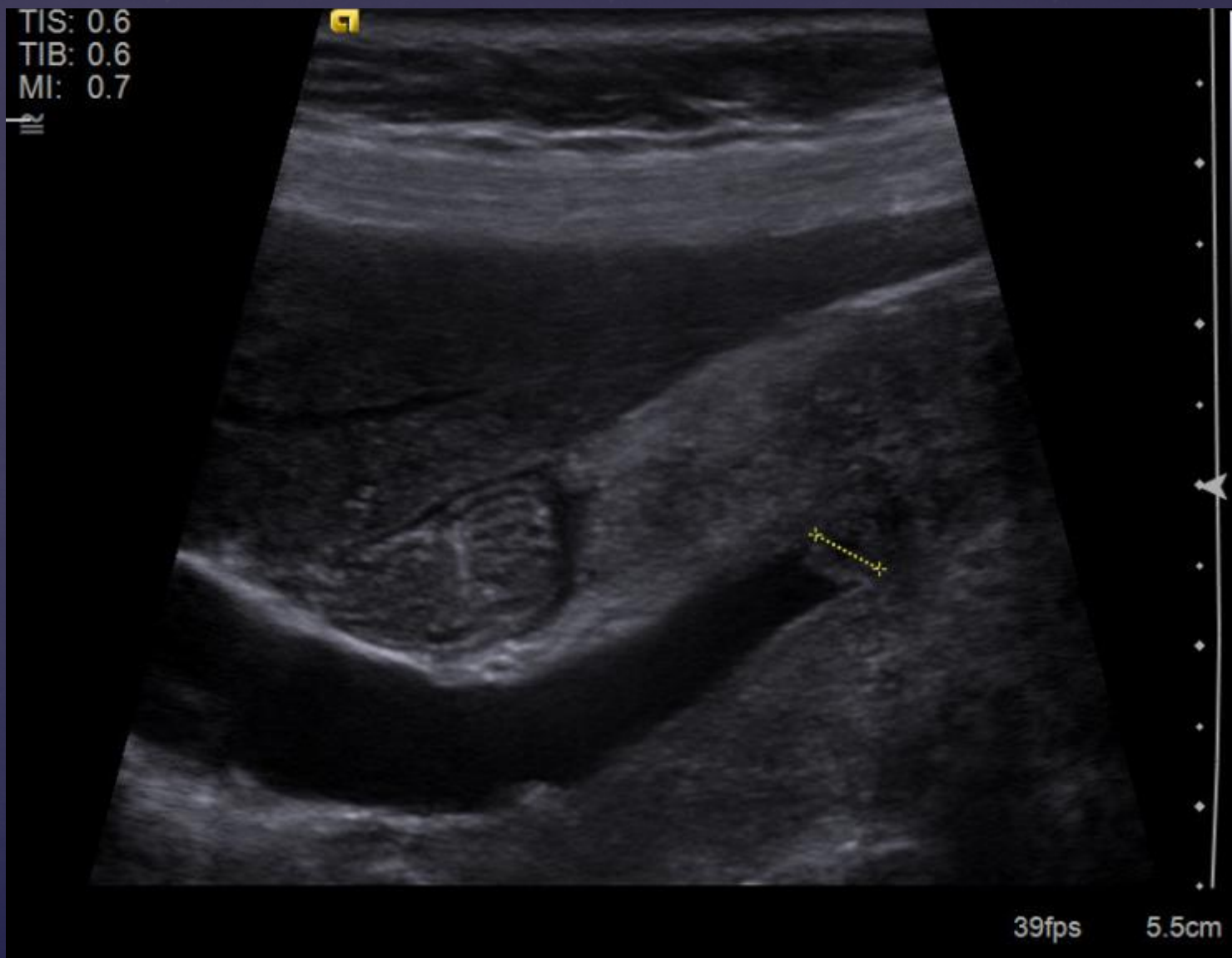
Sammanfattning:

HS: 0.0
TIB: 0.6
MI: 0.7

21



TIS: 0.6
TIB: 0.6
MI: 0.7



39fps

5.5cm

TIS: 0.6
TIB: 0.6
MI: 0.7



39fps

5.5cm