WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.
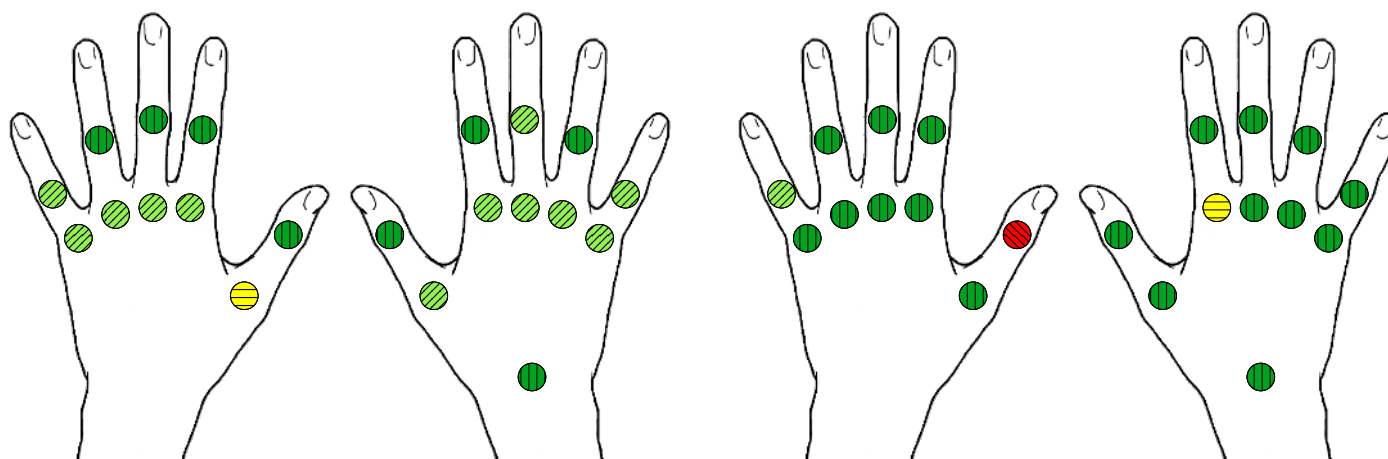
Patient ID: HIDDEN

Synovial Hypertrophy	**Doppler**

🟢 Class 0 🟢 Class 1 🟡 Class 2 🔴 Class 3

⬤ Analysis skipped due to poor image quality

◯ Unsuccessful scan

Left Hand				
Page	Joint	SH	Doppler	EO
-	RCIC	-	-	-
3	MCP-1	2	0	2
4	MCP-2	1	0	1
5	MCP-3	1	0	1
6	MCP-4	1	0	1
7	MCP-5	1	0 ¤	1
8	PIP-1	0	3 ¤	0
9	PIP-2	0	0	0
10	PIP-3	0	0	0
11	PIP-4	0	0	0
12	PIP-5	1	1 ¤	1

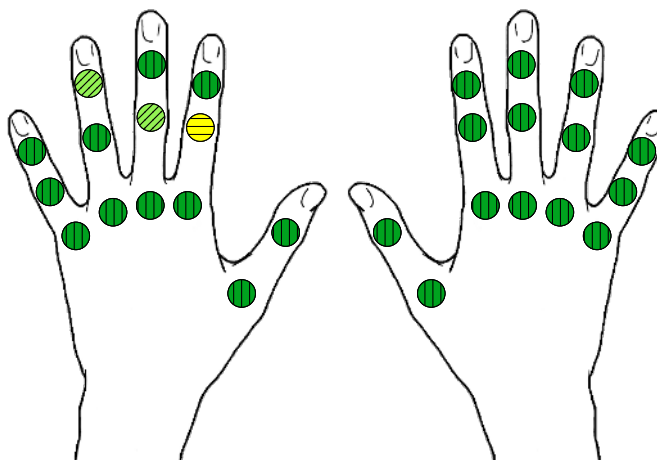| **Right Hand**				
Page	Joint	SH	Doppler	EO
17	RCIC	0	0	0
18	MCP-1	1	0	1
19	MCP-2	1	2 ¤	2
20	MCP-3	1	0	1
21	MCP-4	1	0	1
22	MCP-5	1	0	1
23	PIP-1	0	0 ¤	0
24	PIP-2	0	0 ¤	0
25	PIP-3	1	0	1
26	PIP-4	0	0	0
27	PIP-5	1	0	1

¤ = Noise detected on Doppler image

A description of the grading of synovial hypertrophy and Doppler activity can be found in the user manual

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

Osteophytes

🟢 Class 0   🟢 Class 1   🟡 Class 2   🔴 Class 3
⬤ Analysis skipped due to poor image quality
⚪ Unsuccessful scan

	Left Hand				**Right Hand**	
Page	Joint	Osteophyte		Page	Joint	Osteophyte
3	MCP-1	0		18	MCP-1	0
4	MCP-2	0		19	MCP-2	0
5	MCP-3	0		20	MCP-3	0
6	MCP-4	0		21	MCP-4	0
7	MCP-5	0		22	MCP-5	0
8	PIP-1	0		23	PIP-1	0
9	PIP-2	2		24	PIP-2	0
10	PIP-3	1		25	PIP-3	0
11	PIP-4	0		26	PIP-4	0
12	PIP-5	0		27	PIP-5	0
13	DIP-2	0		28	DIP-2	0
14	DIP-3	0		29	DIP-3	0
15	DIP-4	1		30	DIP-4	0
16	DIP-5	0		31	DIP-5	0

A description of the grading of osteophytes can be found in the user manual

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

Left MCP-1
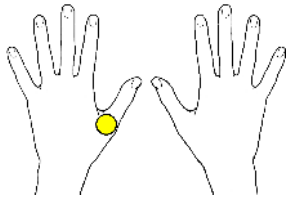
Synovial Hypertrophy score: 2
Synovial hypertrophy above the joint line with a concave surface

Doppler score: 0
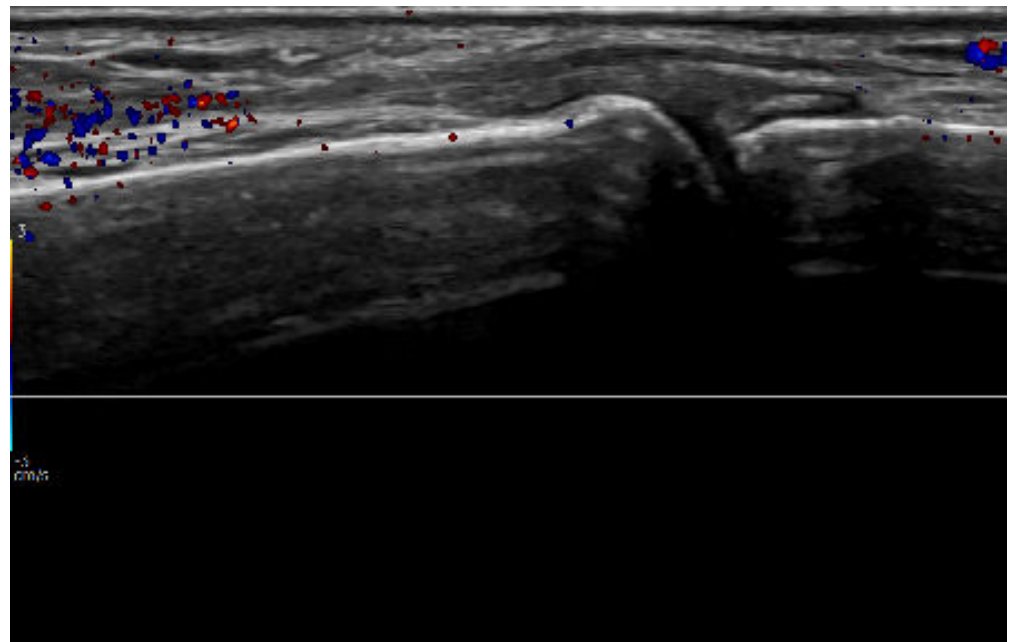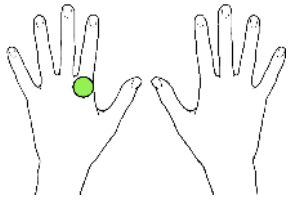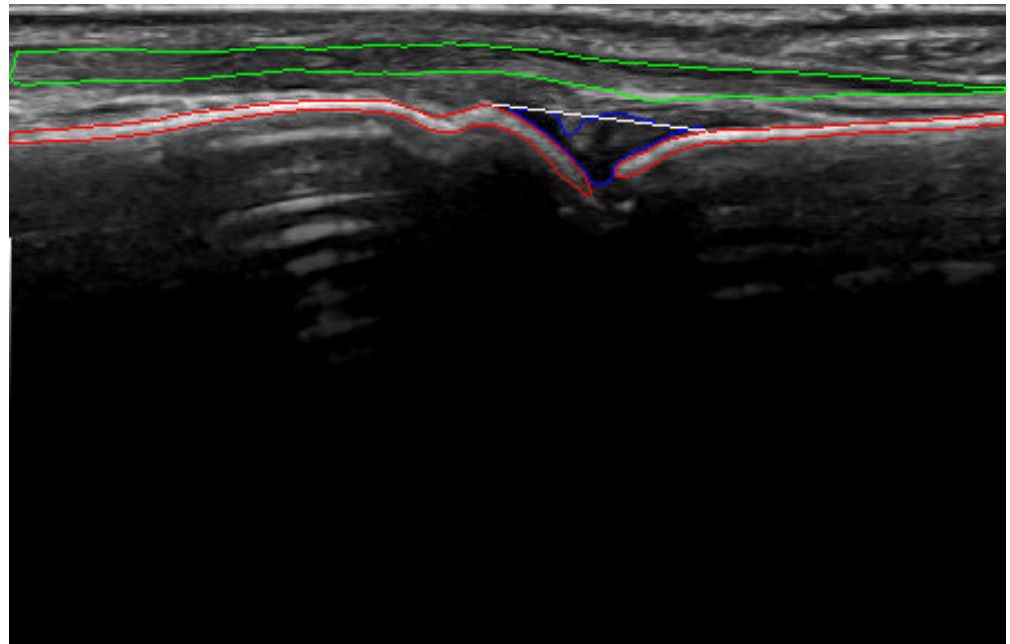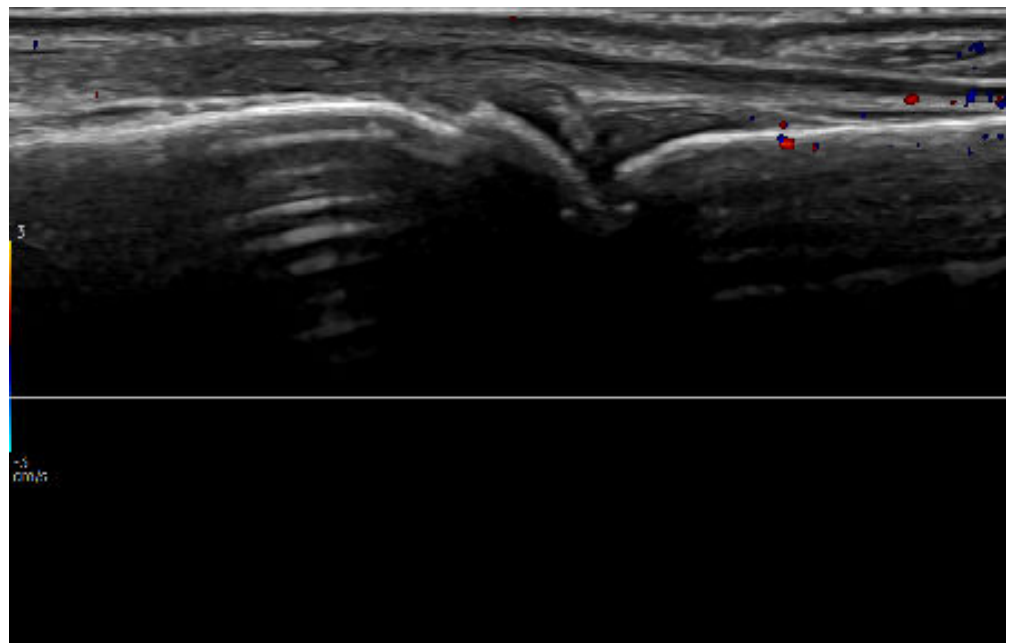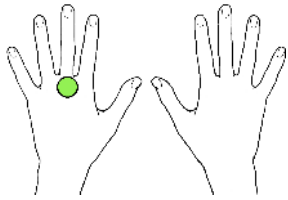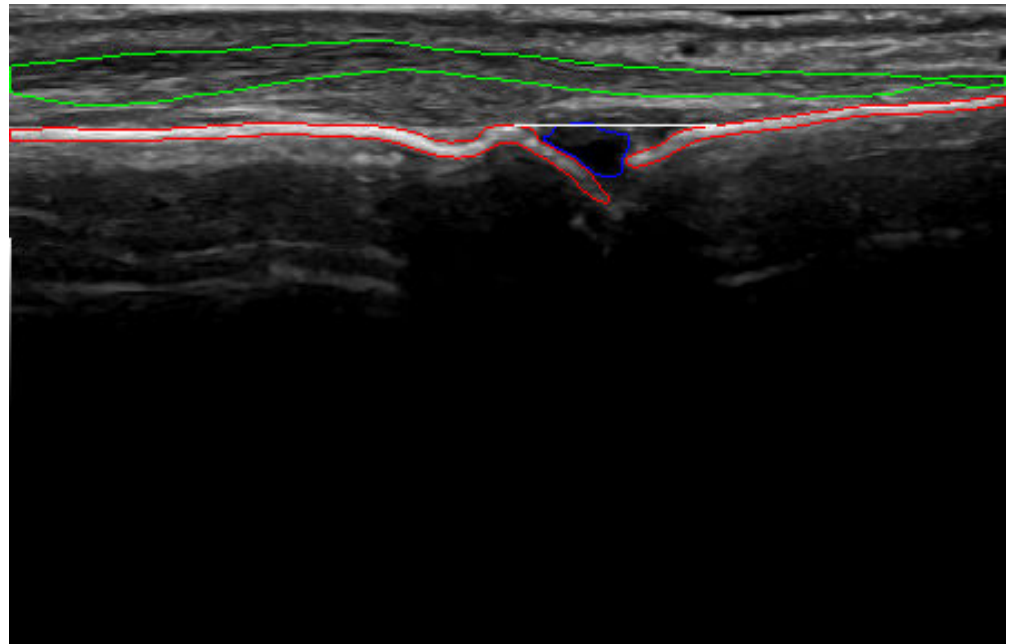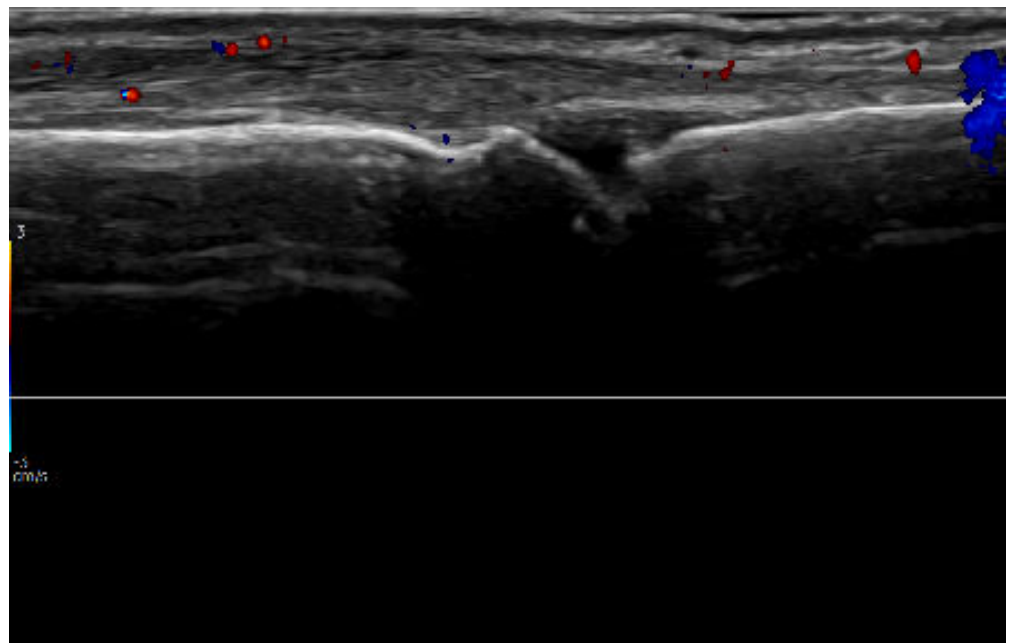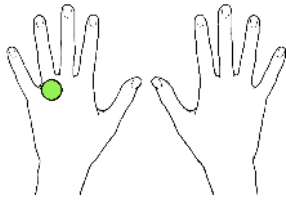No Doppler activity

Osteophyte score: 0
No osteophytes identified

B-Mode

- 🔴 Bone
- 🟣 Osteophyte
- 🔵 Synovium
- 🟢 Tendon
- ⚪ Artifact
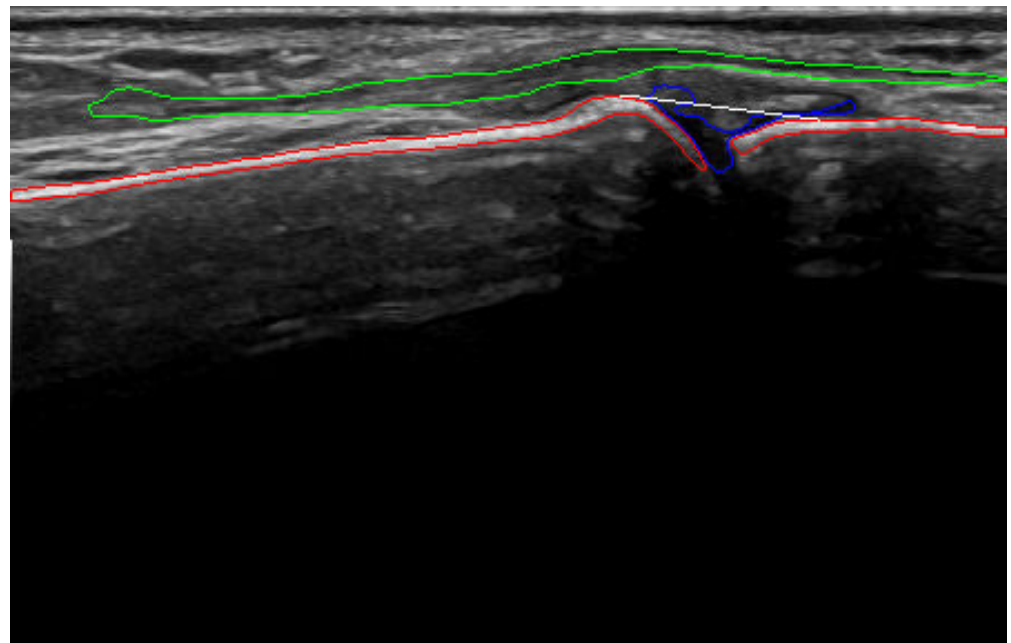
Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

Left MCP-2

Synovial Hypertrophy score: 1
Synovial hypertrophy under the joint line (marginally above the joint line judged insignificant to the overall assessment)
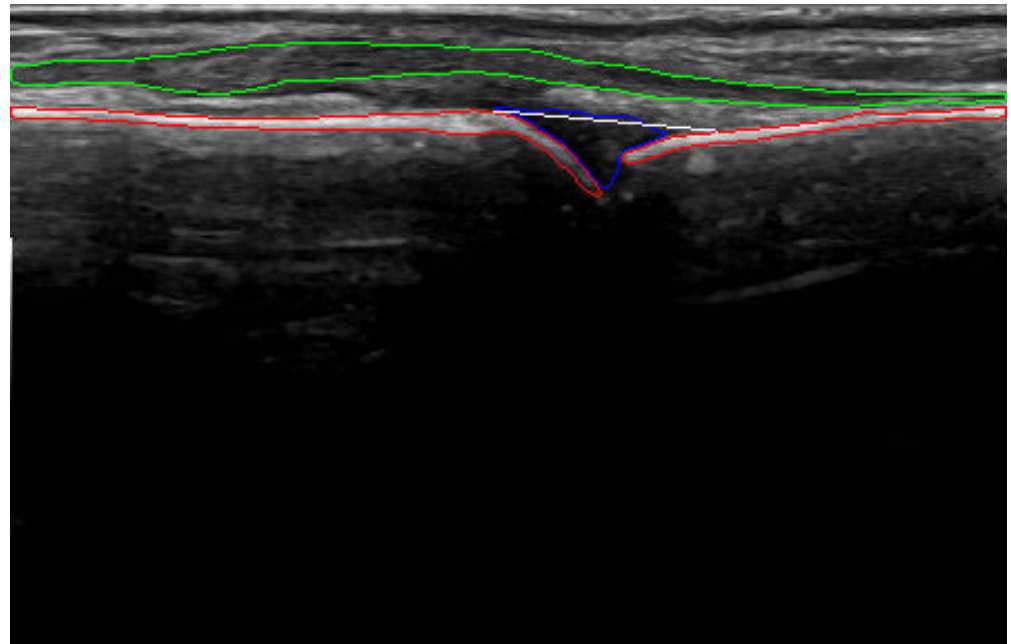
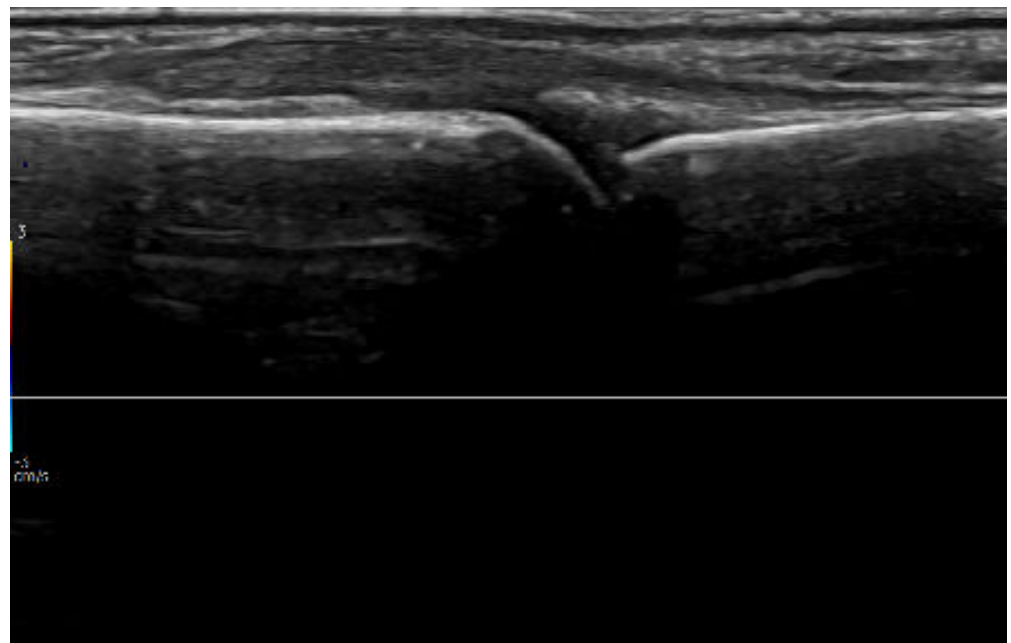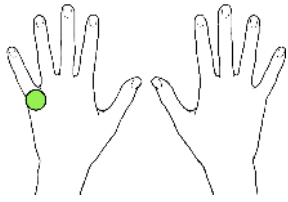**Doppler score: 0**
No Doppler activity

Osteophyte score: 0
No osteophytes identified

B-Mode

- 🔴 Bone
- 🟣 Osteophyte
- 🔵 Synovium
- 🟢 Tendon
- ⚫ Artifact

Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

Left MCP-3

Synovial Hypertrophy score: 1
Synovial hypertrophy under the joint line (marginally above the joint line judged insignificant to the overall assessment)
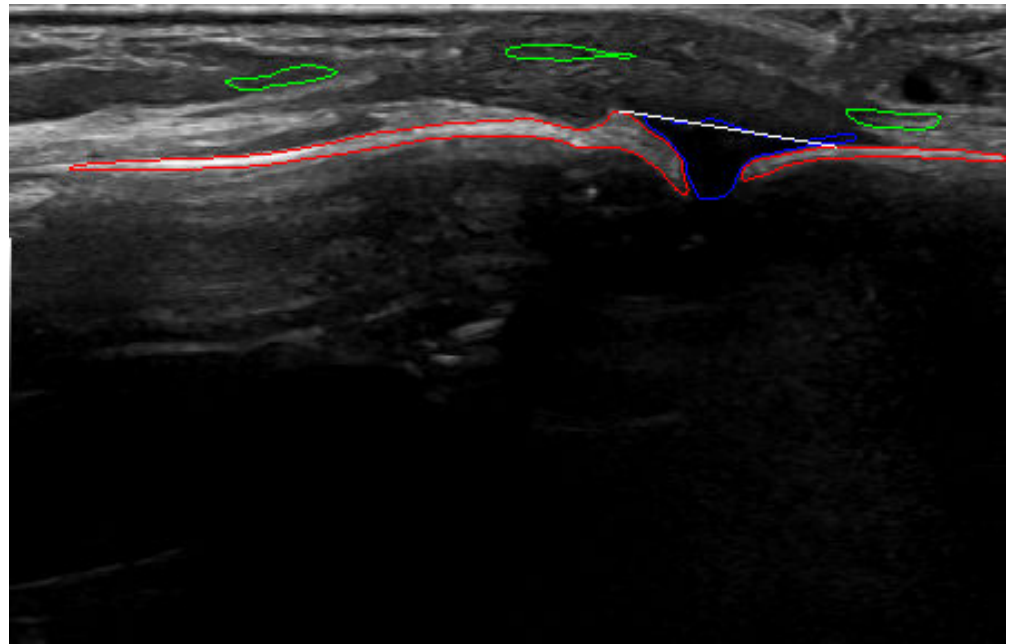
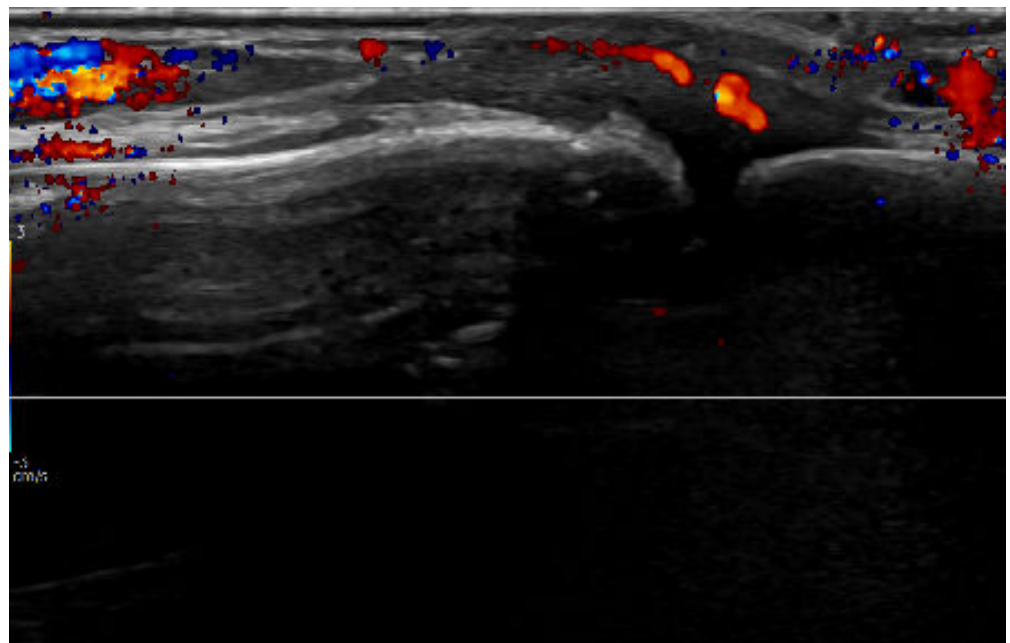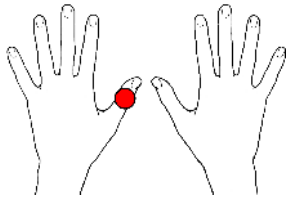**Doppler score: 0**
No Doppler activity

Osteophyte score: 0
No osteophytes identified

B-Mode

- 🔴 Bone
- 🟣 Osteophyte
- 🔵 Synovium
- 🟢 Tendon
- ⚫ Artifact

Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

Left MCP-4

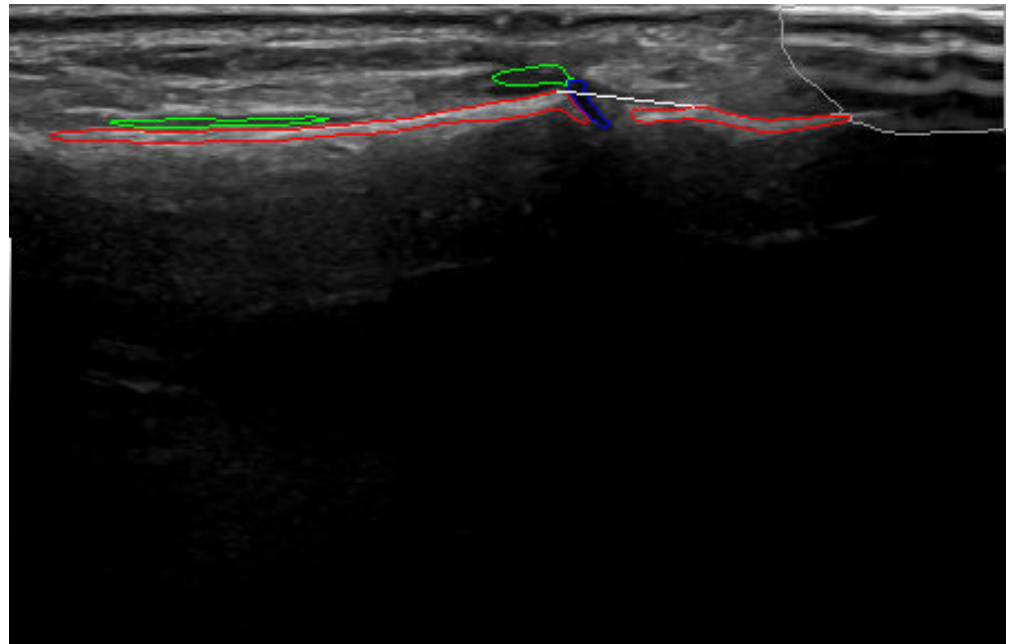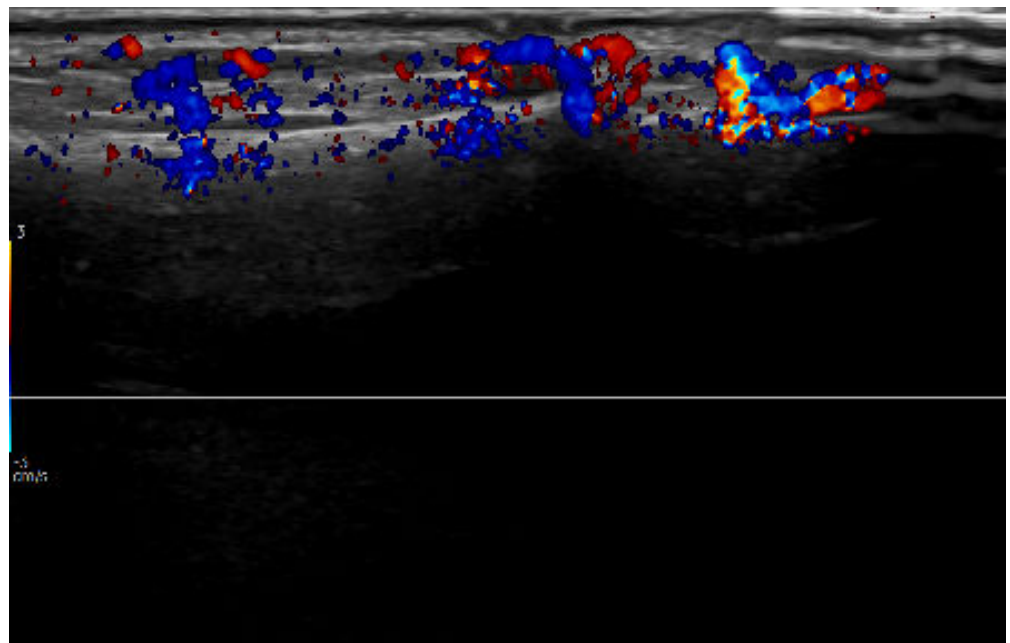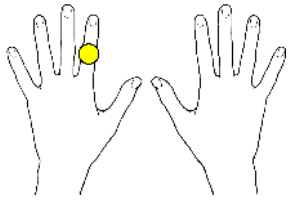**Synovial Hypertrophy score: 1**
Synovial hypertrophy under the joint line (marginally above the joint line judged insignificant to the overall assessment)

Doppler score: 0
No Doppler activity

Osteophyte score: 0
No osteophytes identified

B-Mode

🔴 Bone
🟣 Osteophyte
🔵 Synovium
🟢 Tendon
⚫ Artifact

Doppler

Left MCP-5

Synovial Hypertrophy score: 1
Synovial hypertrophy under the joint line (marginally above the joint line judged insignificant to the overall assessment)

Doppler score: 0
No Doppler activity (Doppler image contains noise)

Osteophyte score: 0
No osteophytes identified

B-Mode

🔴 Bone
🟣 Osteophyte
🔵 Synovium
🟢 Tendon
⚫ Artifact

Doppler

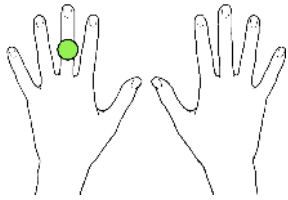**WARNING:** This report is only for decision support. It cannot be used on its own to diagnose the patient.

Left PIP-1

Synovial Hypertrophy score: 0
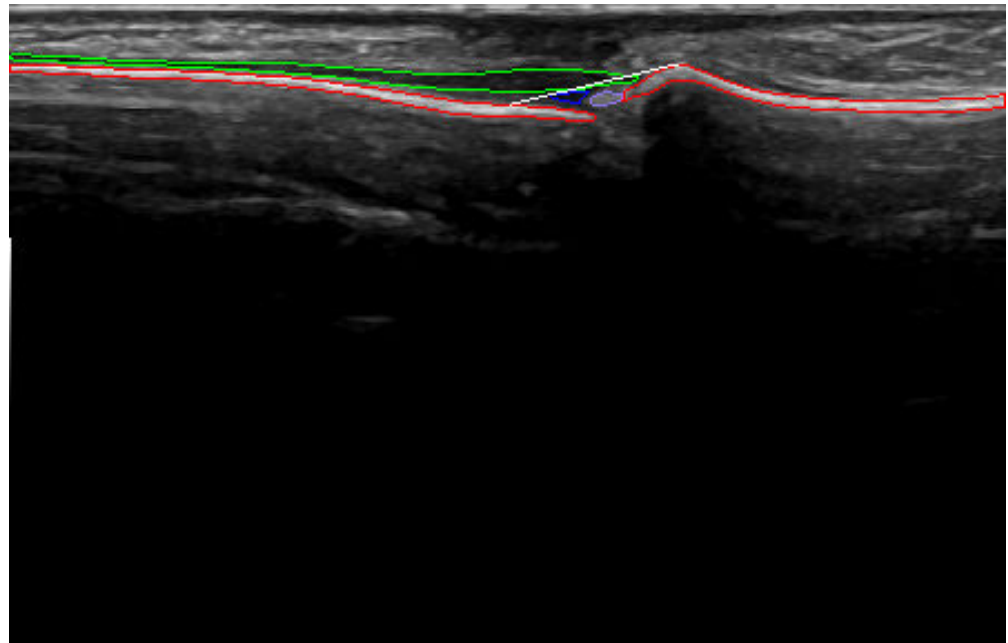No signs of synovial hypertrophy

Doppler score: 3
Severe Doppler activity (97% of synovium covered in Doppler activity) (Doppler image contains noise)

Osteophyte score: 0
No osteophytes identified

B-Mode

🔴 Bone
🟣 Osteophyte
🔵 Synovium
🟢 Tendon
⚪ Artifact

Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

Left PIP-2

Synovial Hypertrophy score: 0
No signs of synovial hypertrophy

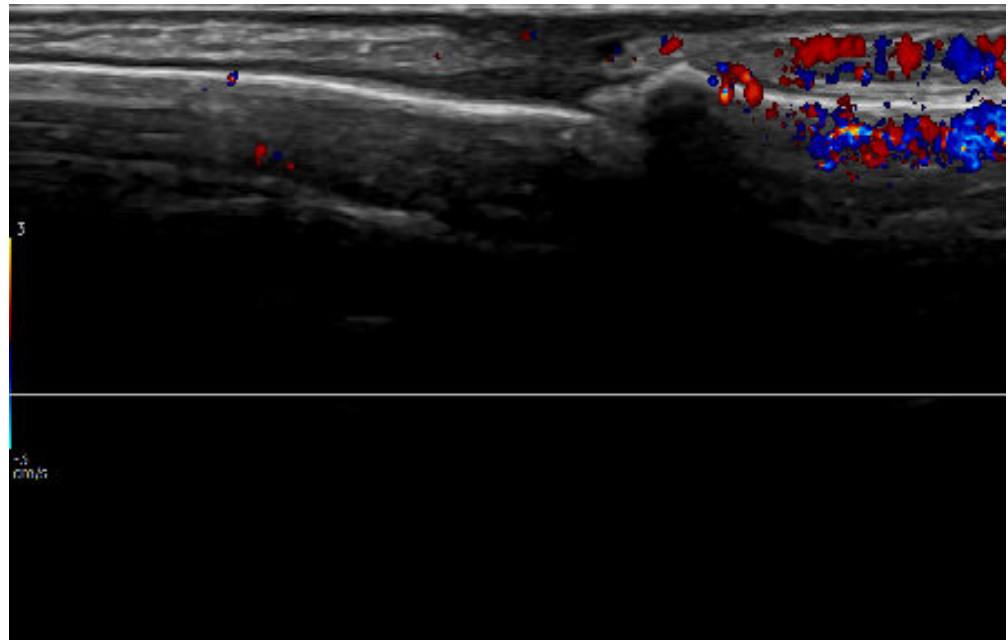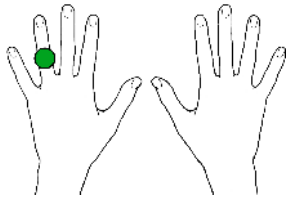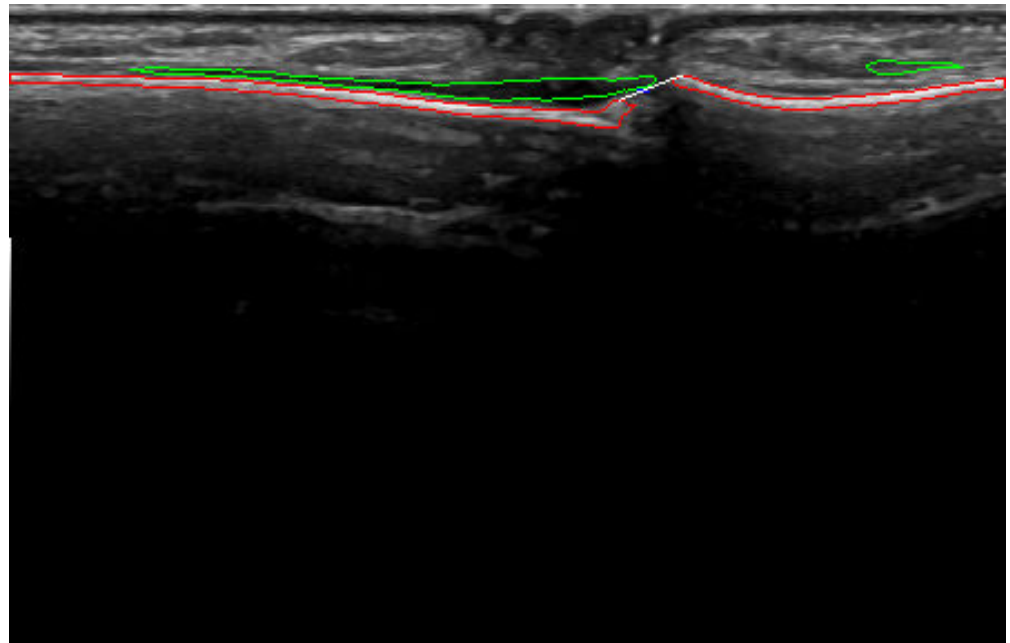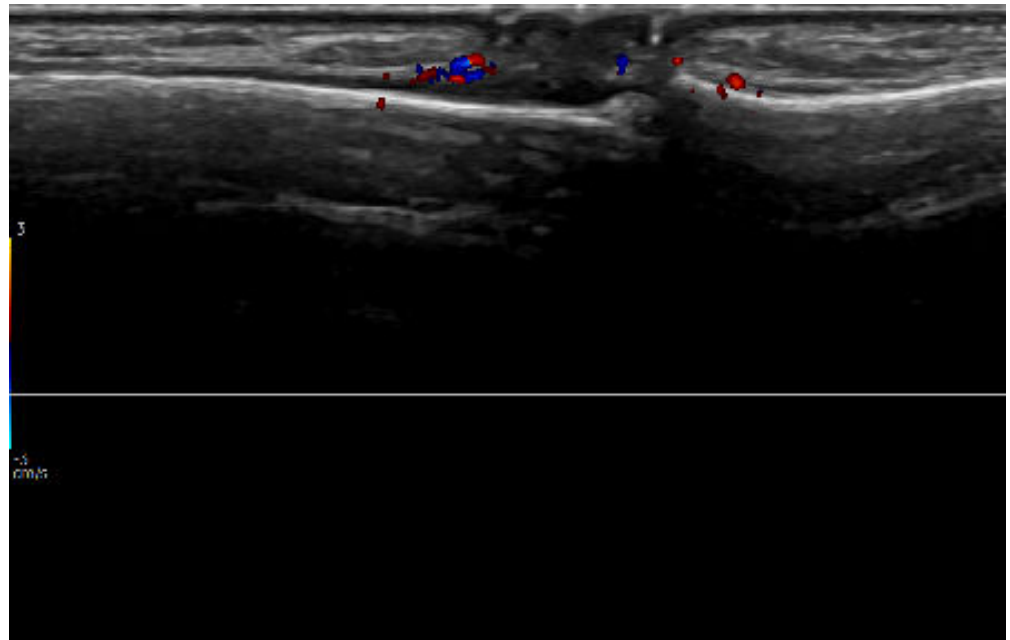**Doppler score: 0**
No Doppler activity

Osteophyte score: 2
2 osteophytes with a marginal vertical distance to the bone
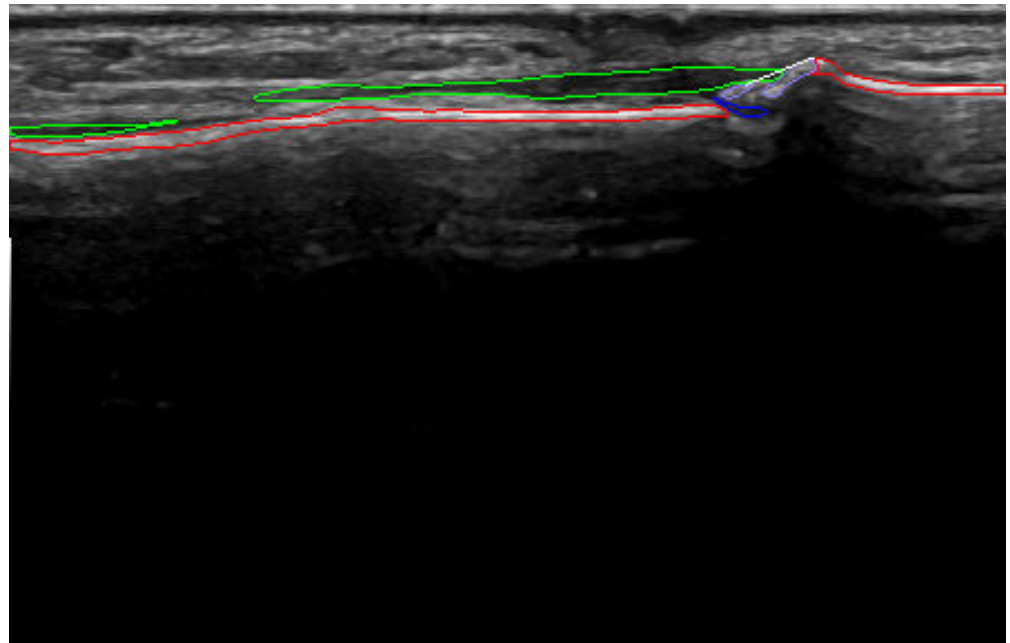
B-Mode

🔴 Bone
🟣 Osteophyte
🔵 Synovium
🟢 Tendon
⚪ Artifact
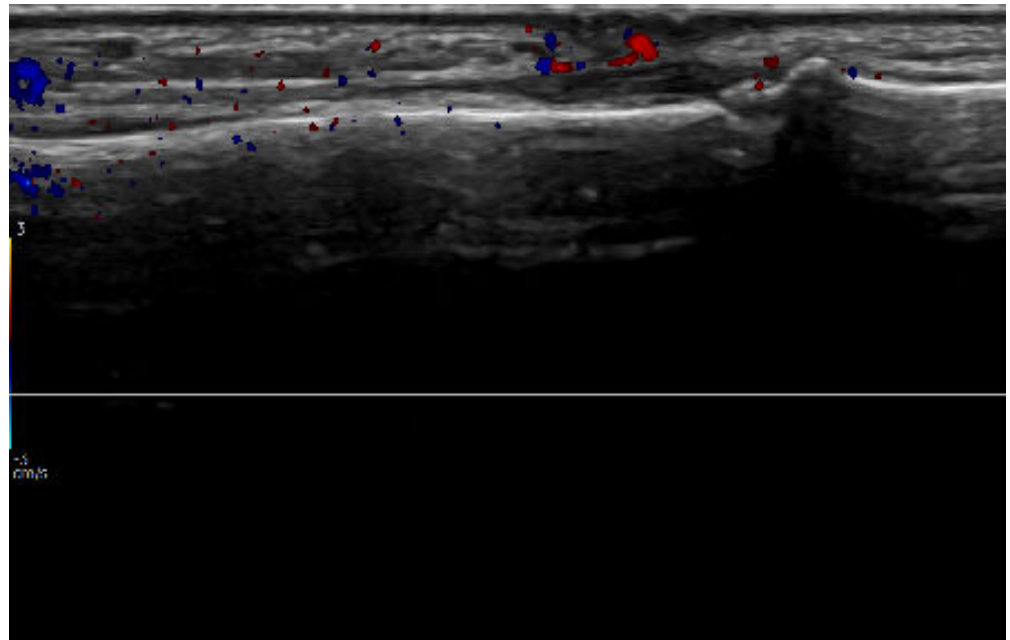
Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

Left PIP-3

Synovial Hypertrophy score: 0
No signs of synovial hypertrophy

Doppler score: 0
No Doppler activity

Osteophyte score: 1
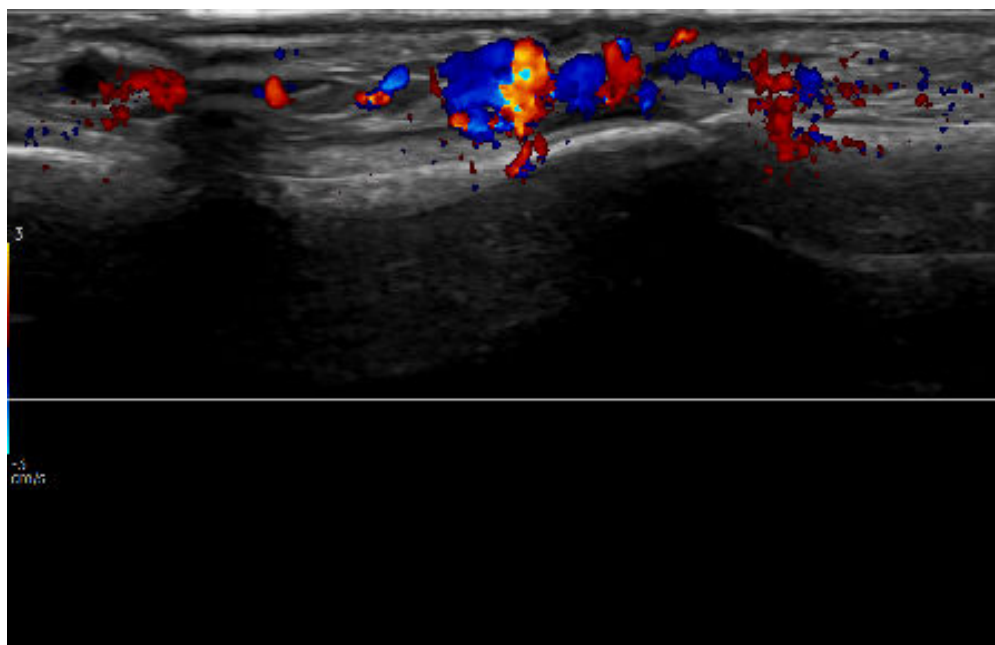1 osteophyte with marginal vertical distance to the bone

B-Mode

🔴 Bone
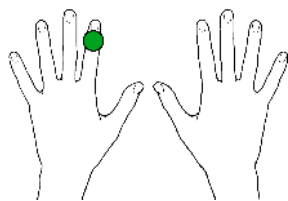🟣 Osteophyte
🔵 Synovium
🟢 Tendon
⚫ Artifact

Doppler

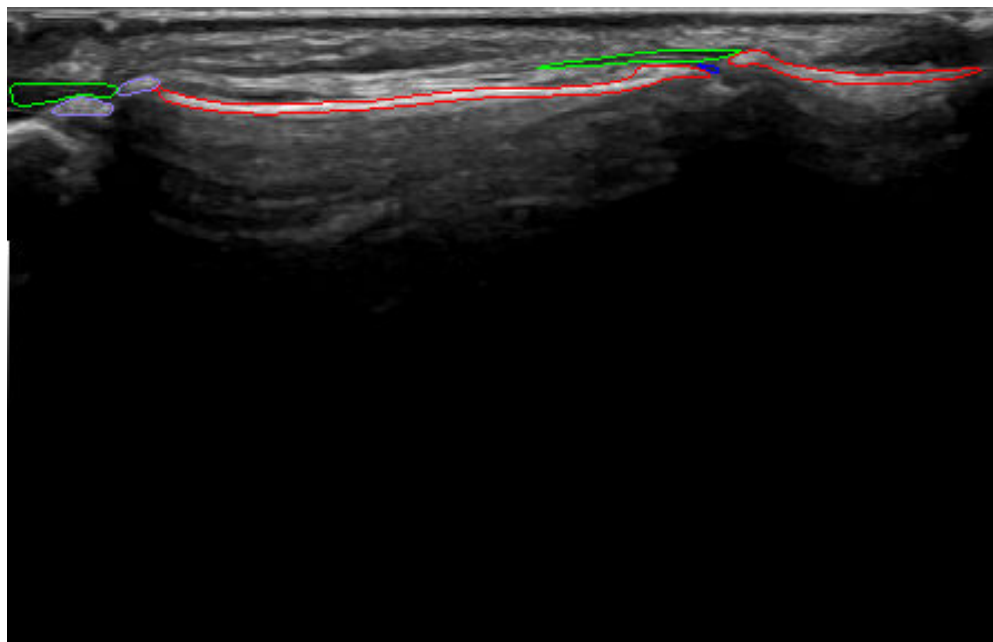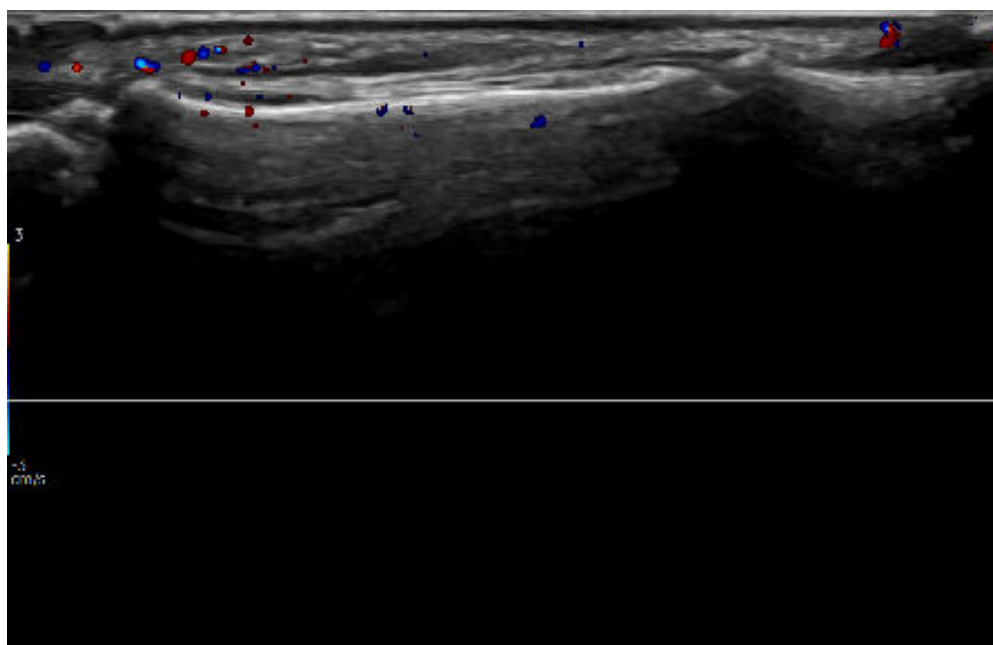**WARNING:** This report is only for decision support. It cannot be used on its own to diagnose the patient.

Left PIP-4

Synovial Hypertrophy score: 0
No signs of synovial hypertrophy

Doppler score: 0
No Doppler activity

Osteophyte score: 0
No osteophytes identified

B-Mode

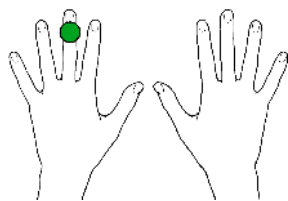- 🔴 Bone
- 🟣 Osteophyte
- 🔵 Synovium
- 🟢 Tendon
- ⚪ Artifact

Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

Left PIP-5
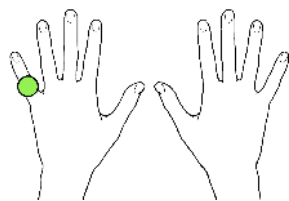
Synovial Hypertrophy score: 1
Minimal synovial hypertrophy (based on its area)

Doppler score: 1
Minimal Doppler activity (1 spots & 0 confluent spots inside synovium) (Doppler image contains noise)

Osteophyte score: 0
No osteophytes identified

B-Mode

🔴 Bone
🟣 Osteophyte
🔵 Synovium
🟢 Tendon
⚫ Artifact
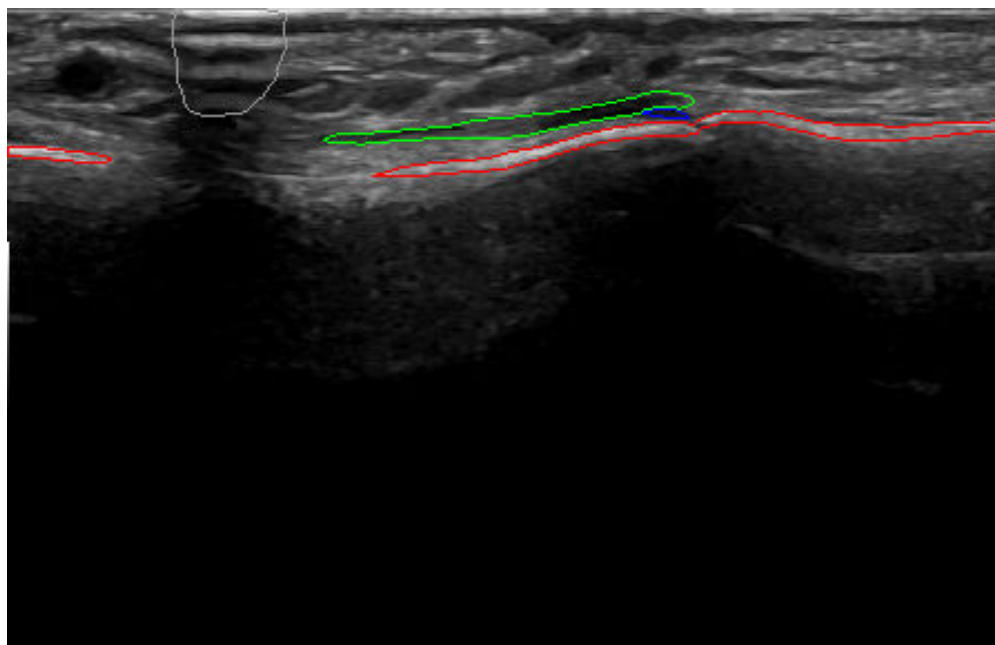
Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.
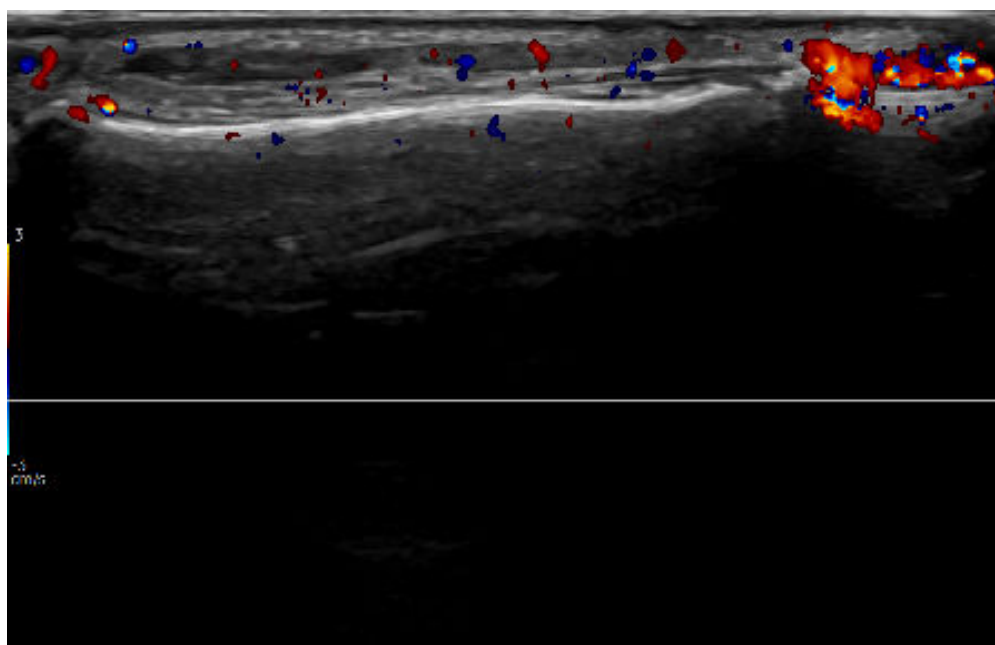
Left DIP-2

Osteophyte score: 0
No osteophytes identified

B-Mode
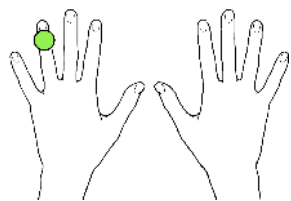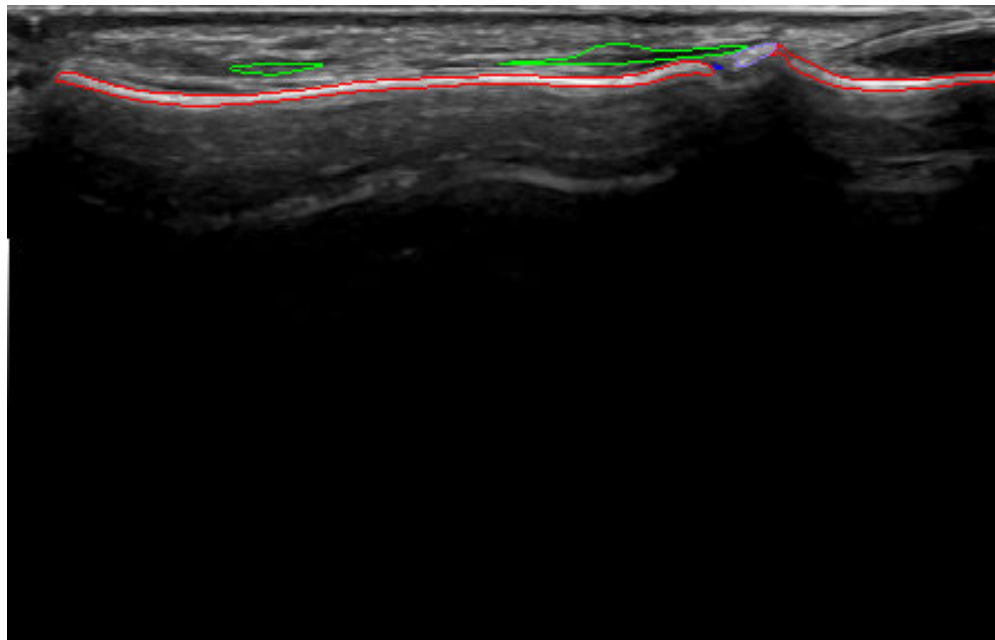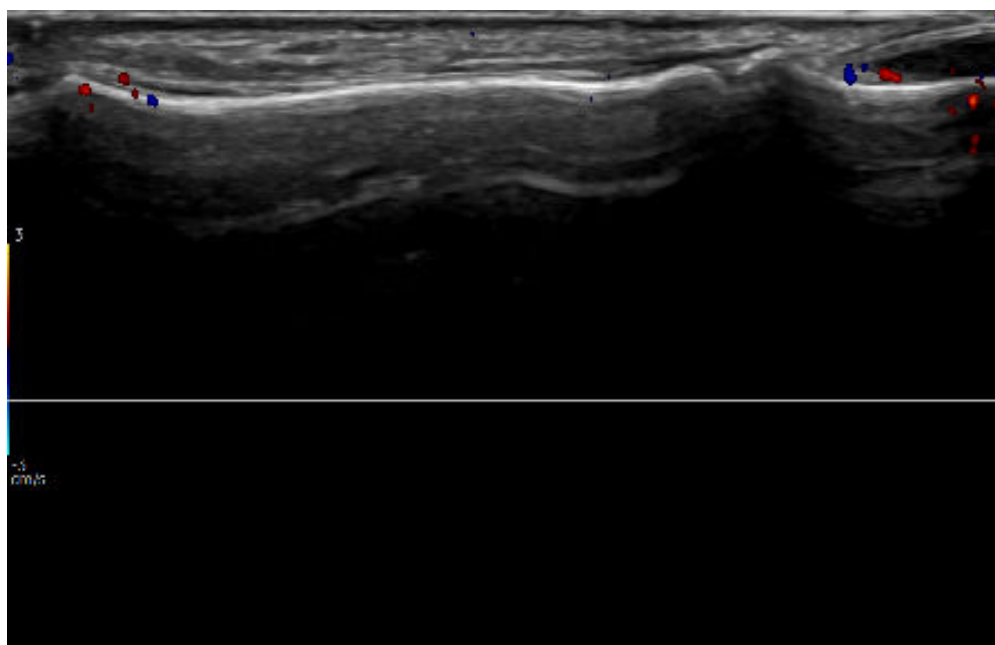
- 🔴 Bone
- 🟣 Osteophyte
- 🔵 Synovium
- 🟢 Tendon
- ⚪ Artifact

Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

Left DIP-3

Osteophyte score: 0
No osteophytes identified
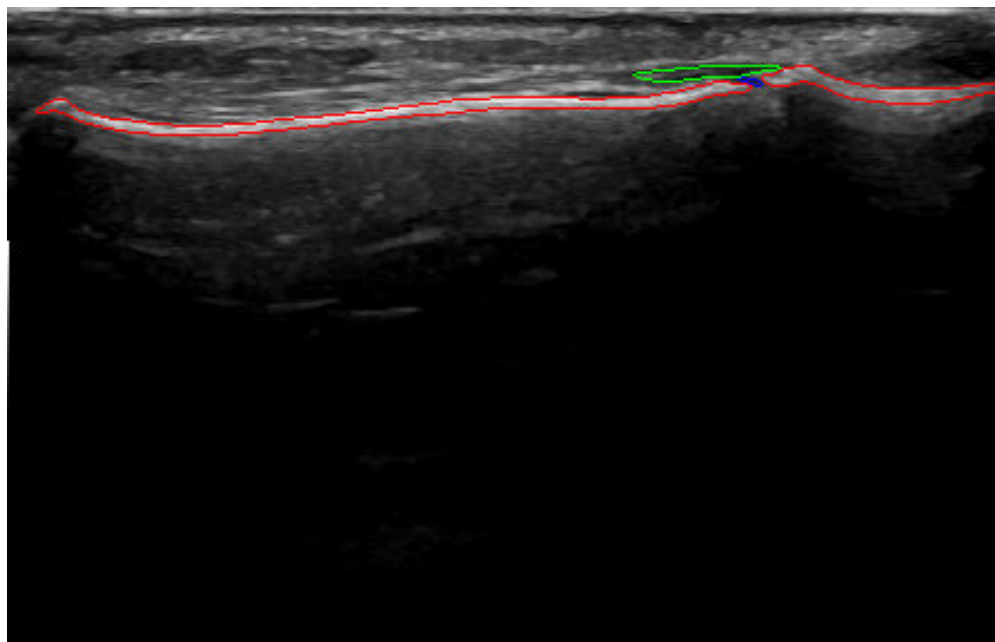
B-Mode

- 🔴 Bone
- 🟣 Osteophyte
- 🔵 Synovium
- 🟢 Tendon
- ⚪ Artifact

Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.
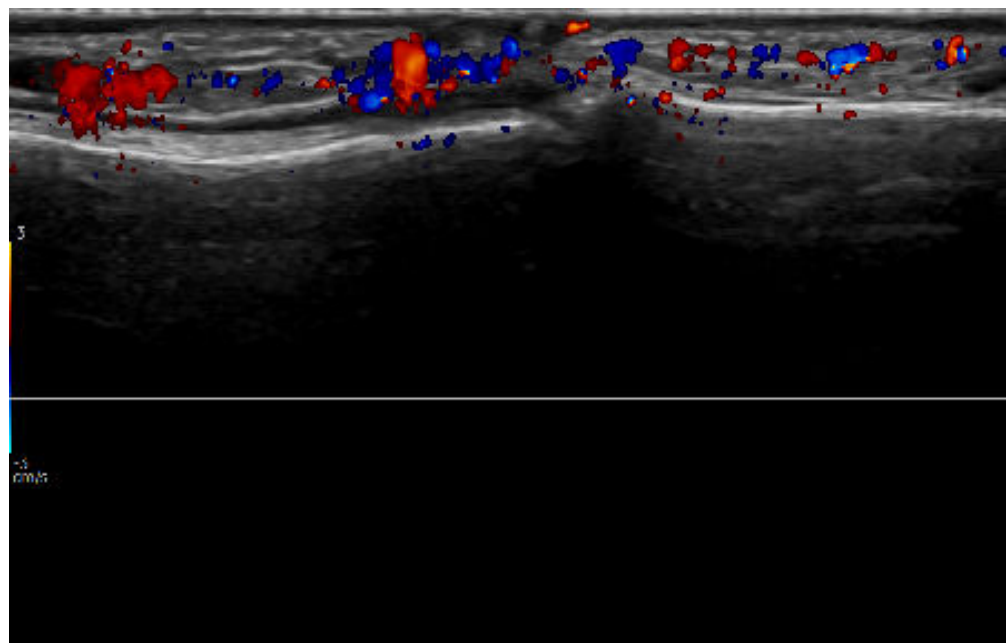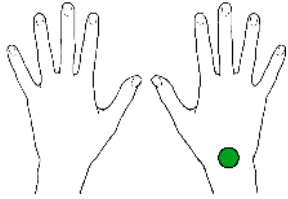
Left DIP-4

Osteophyte score: 1
1 osteophyte with marginal vertical distance to the bone

B-Mode

- 🔴 Bone
- 🟣 Osteophyte
- 🔵 Synovium
- 🟢 Tendon
- ⚪ Artifact

Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

Left DIP-5

Osteophyte score: 0
No osteophytes identified
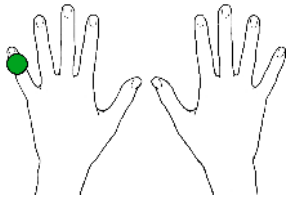
B-Mode

- 🔴 Bone
- 🟣 Osteophyte
- 🔵 Synovium
- 🟢 Tendon
- ⚪ Artifact
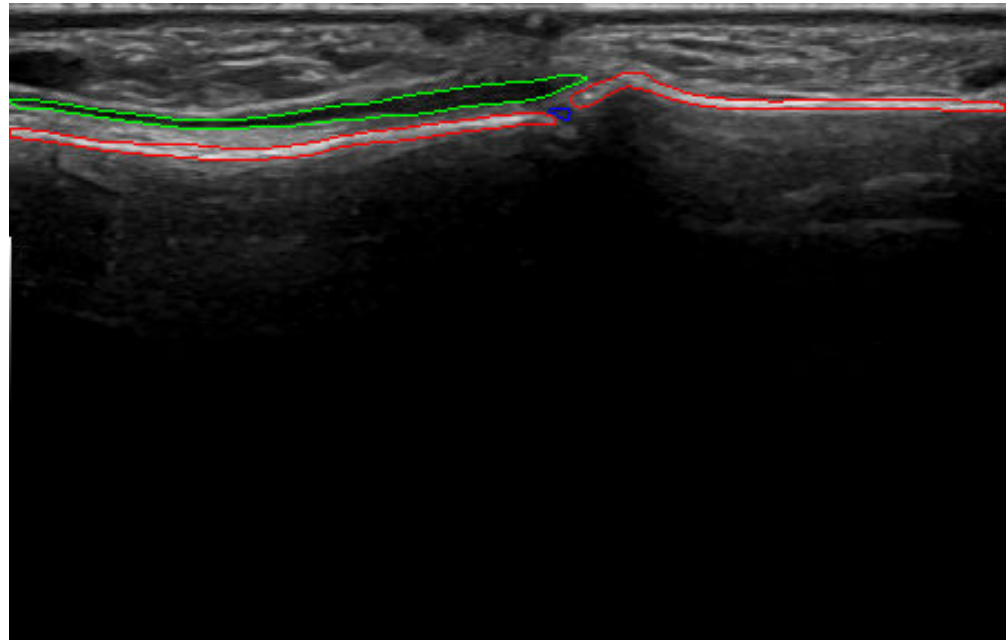
Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

Right RCIC
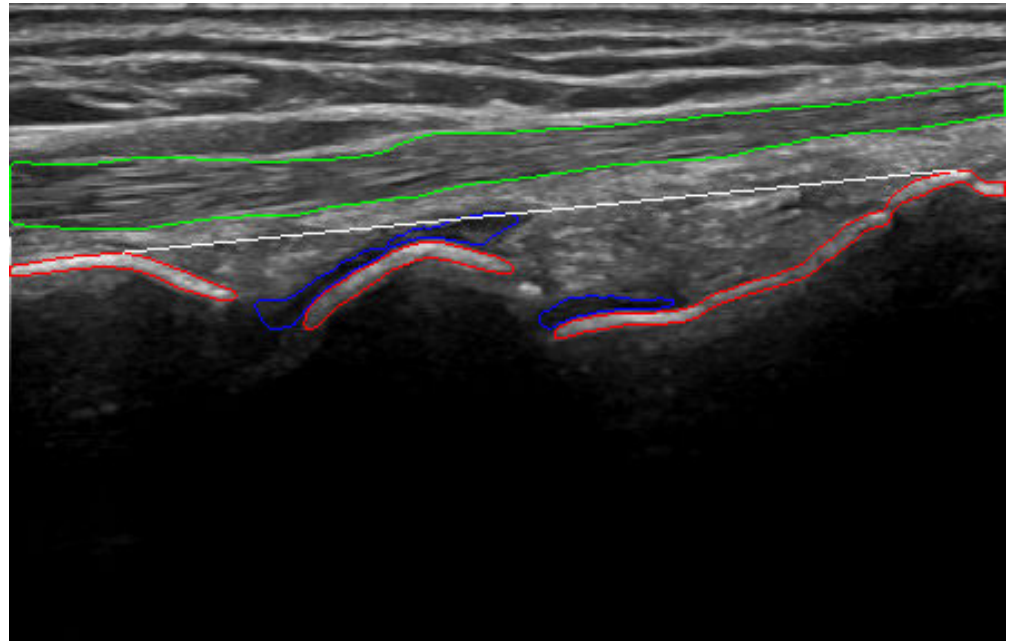

Synovial Hypertrophy score: 0
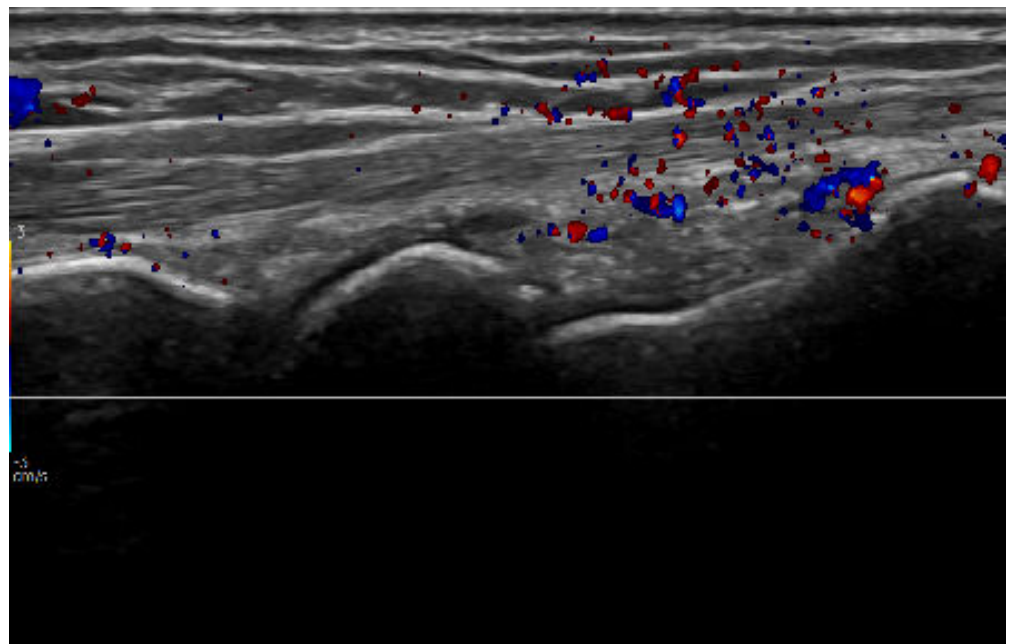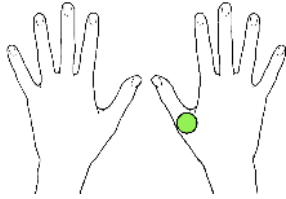No signs of synovial hypertrophy

Doppler score: 0
No Doppler activity

B-Mode

- 🔴 Bone
- 🟣 Osteophyte
- 🔵 Synovium
- 🟢 Tendon
- ⚪ Artifact

Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

Right MCP-1

Synovial Hypertrophy score: 1
Synovial hypertrophy under the joint line (marginally above the joint line judged insignificant to the overall assessment)
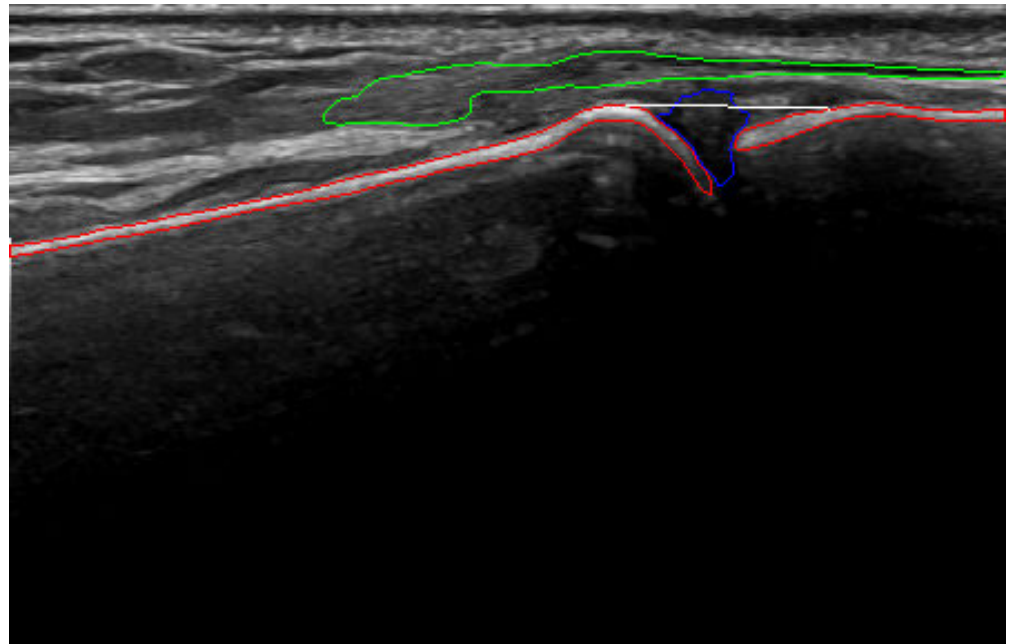
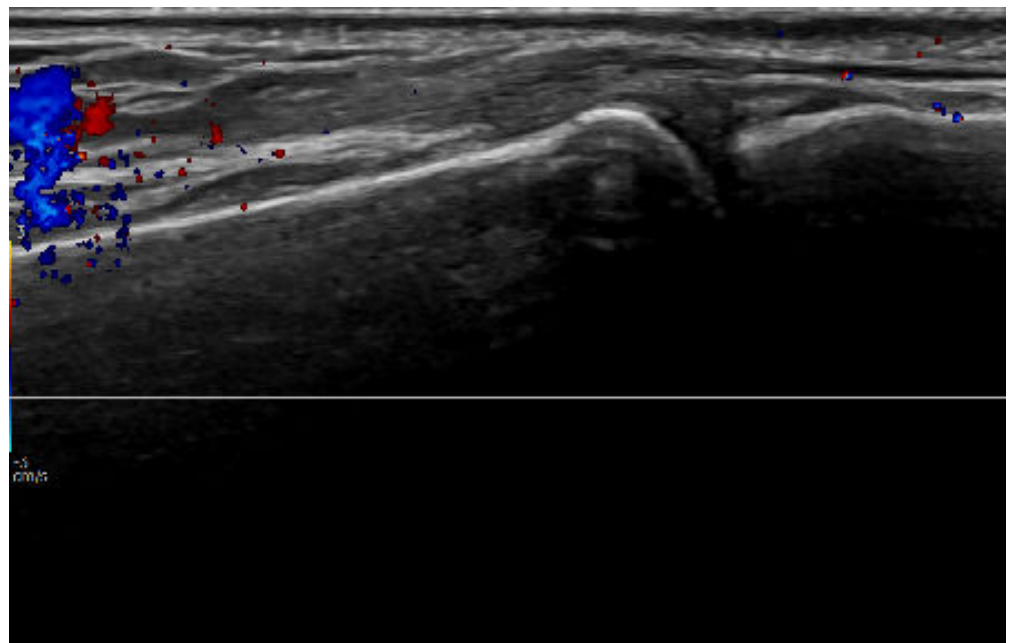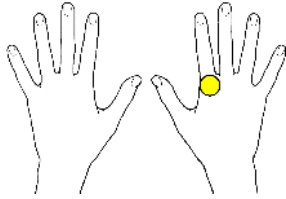**Doppler score: 0**
No Doppler activity

Osteophyte score: 0
No osteophytes identified

B-Mode

🔴 Bone
🟣 Osteophyte
🔵 Synovium
🟢 Tendon
⚫ Artifact

Doppler

Right MCP-2

Synovial Hypertrophy score: 1
Synovial hypertrophy under the joint line (marginally above the joint line judged insignificant to the overall assessment)
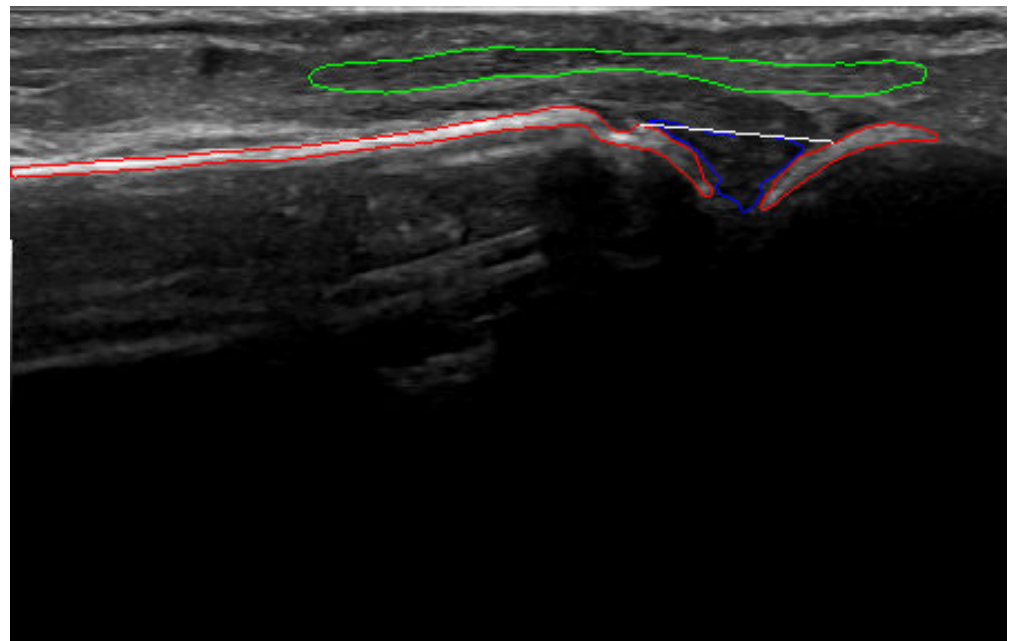
Doppler score: 2
Moderate Doppler activity (5 spots & 1 confluent spots inside synovium) (Doppler image contains noise)
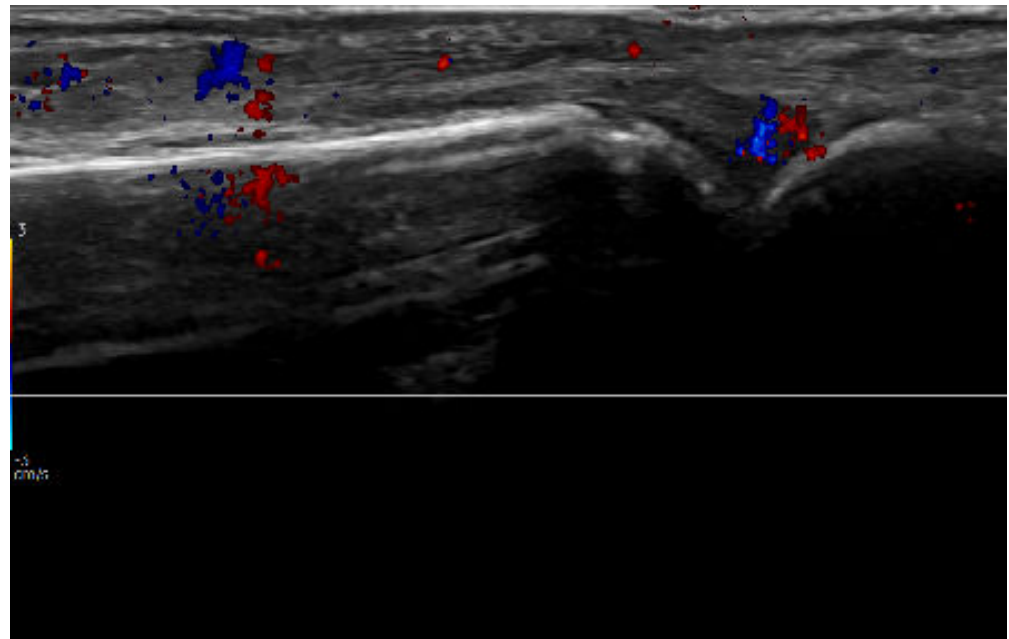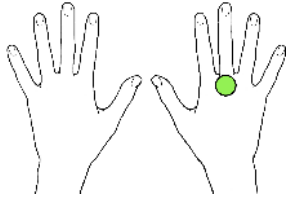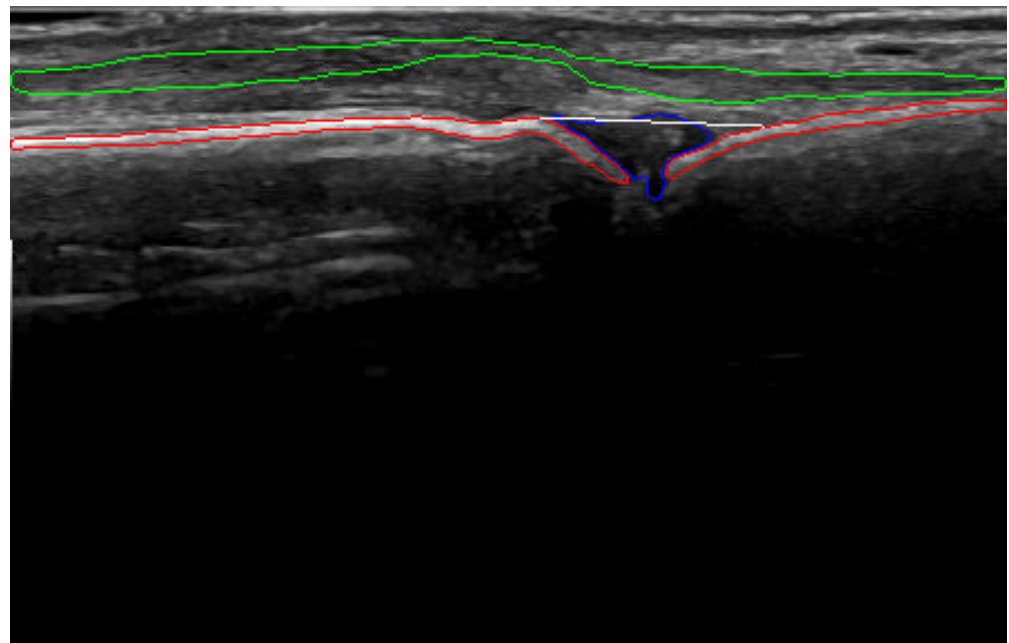
Osteophyte score: 0
No osteophytes identified

B-Mode

🔴 Bone
🟣 Osteophyte
🔵 Synovium
🟢 Tendon
⚪ Artifact

Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

Right MCP-3

Synovial Hypertrophy score: 1
Synovial hypertrophy under the joint line (marginally above the joint line judged insignificant to the overall assessment)

Doppler score: 0
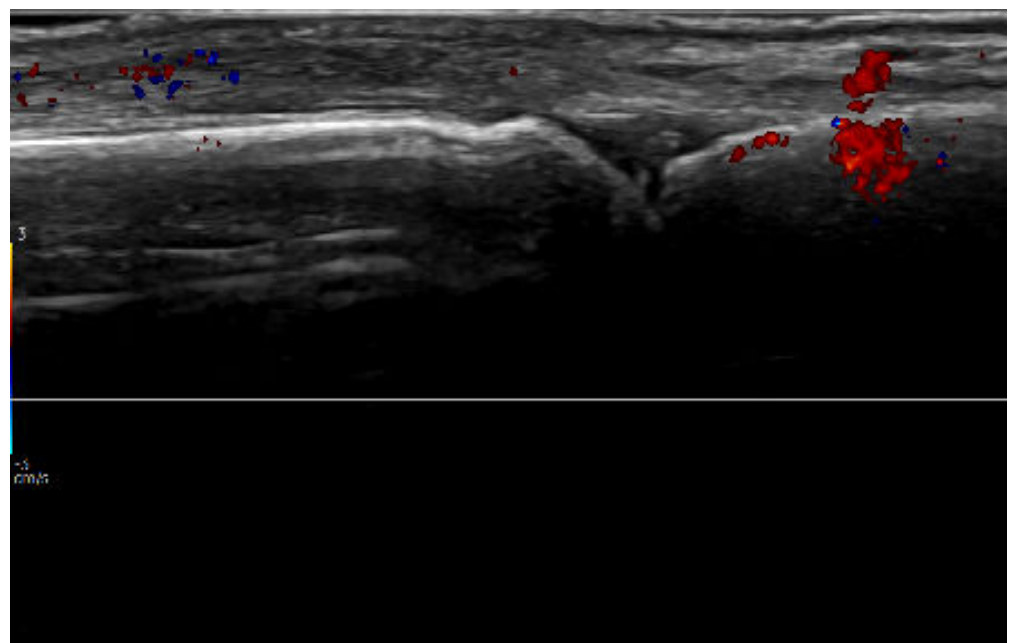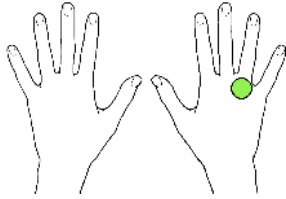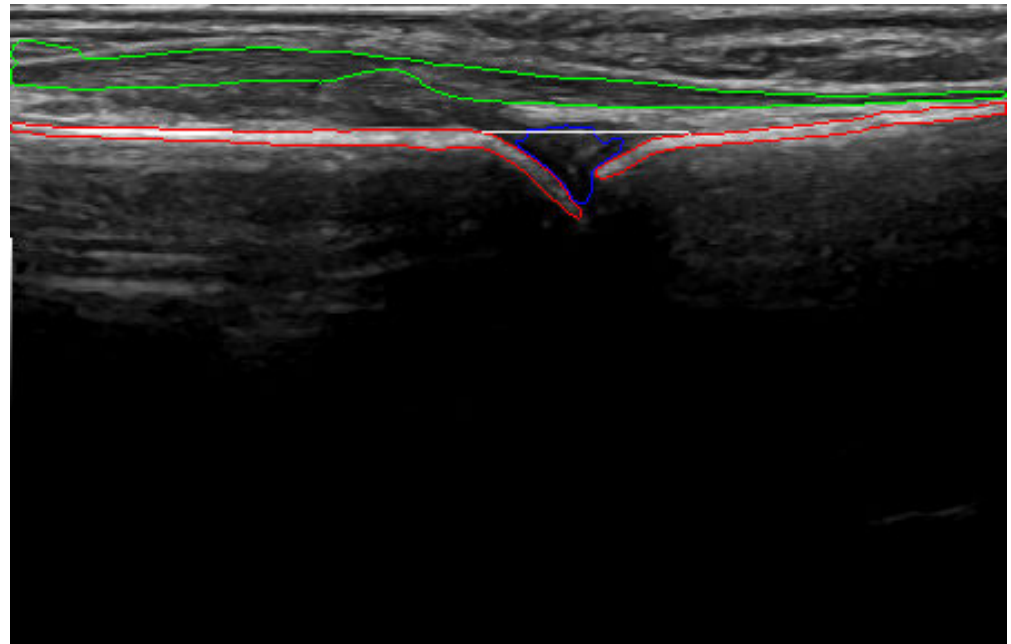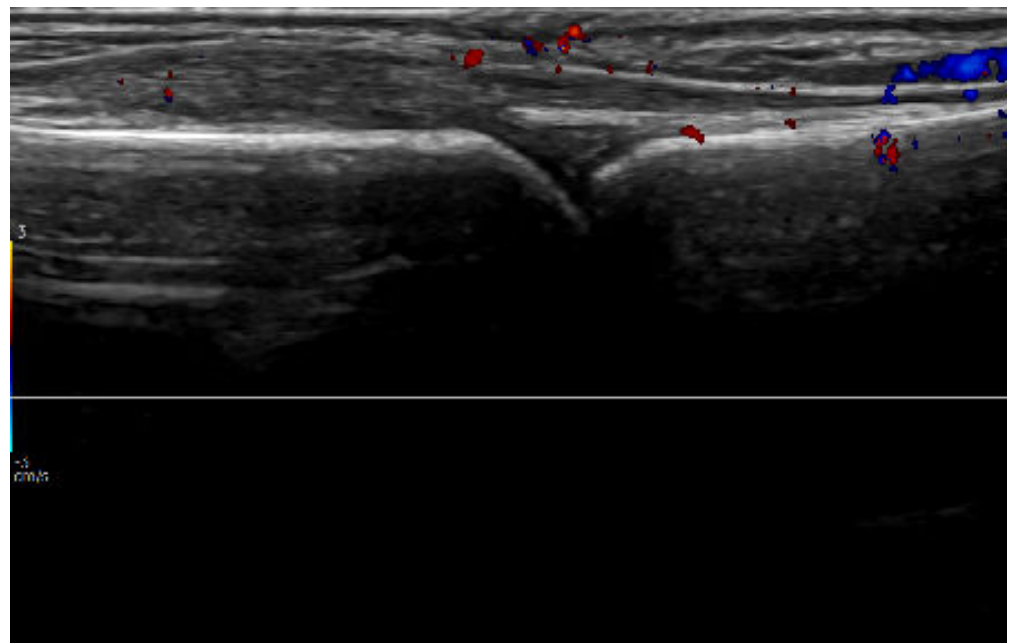No Doppler activity

Osteophyte score: 0
No osteophytes identified

B-Mode

- 🔴 Bone
- 🟣 Osteophyte
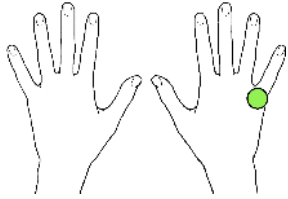- 🔵 Synovium
- 🟢 Tendon
- ⚪ Artifact

Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

Right MCP-4

Synovial Hypertrophy score: 1
Synovial hypertrophy under the joint line (marginally above the joint line judged insignificant to the overall assessment)
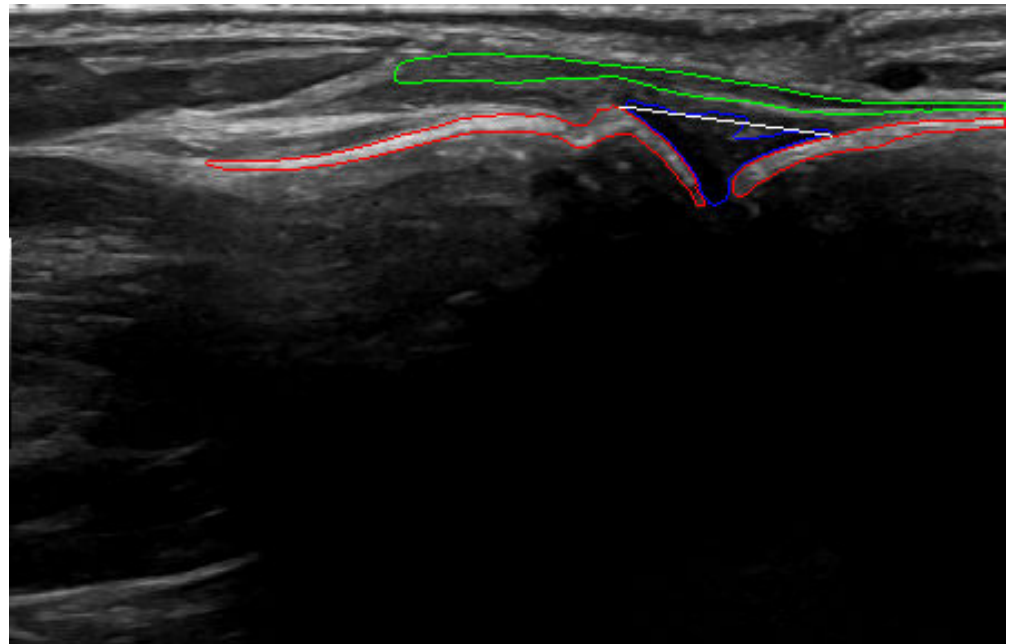
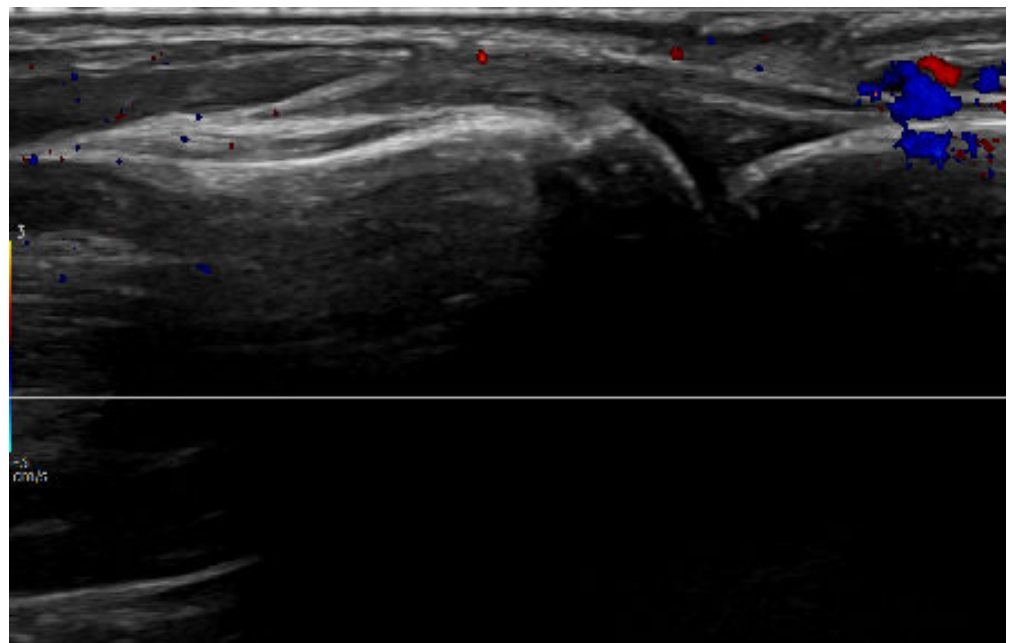**Doppler score: 0**
No Doppler activity

Osteophyte score: 0
No osteophytes identified

B-Mode

🔴 Bone
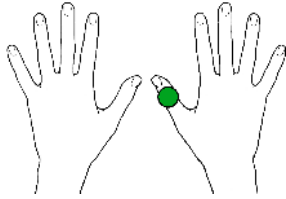🟣 Osteophyte
🔵 Synovium
🟢 Tendon
⚫ Artifact

Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

Right MCP-5

Synovial Hypertrophy score: 1
Synovial hypertrophy under the joint line (marginally above the joint line judged insignificant to the overall assessment)

Doppler score: 0
No Doppler activity

Osteophyte score: 0
No osteophytes identified

B-Mode

🔴 Bone
🟣 Osteophyte
🔵 Synovium
🟢 Tendon
⚫ Artifact

Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

Right PIP-1

Synovial Hypertrophy score: 0
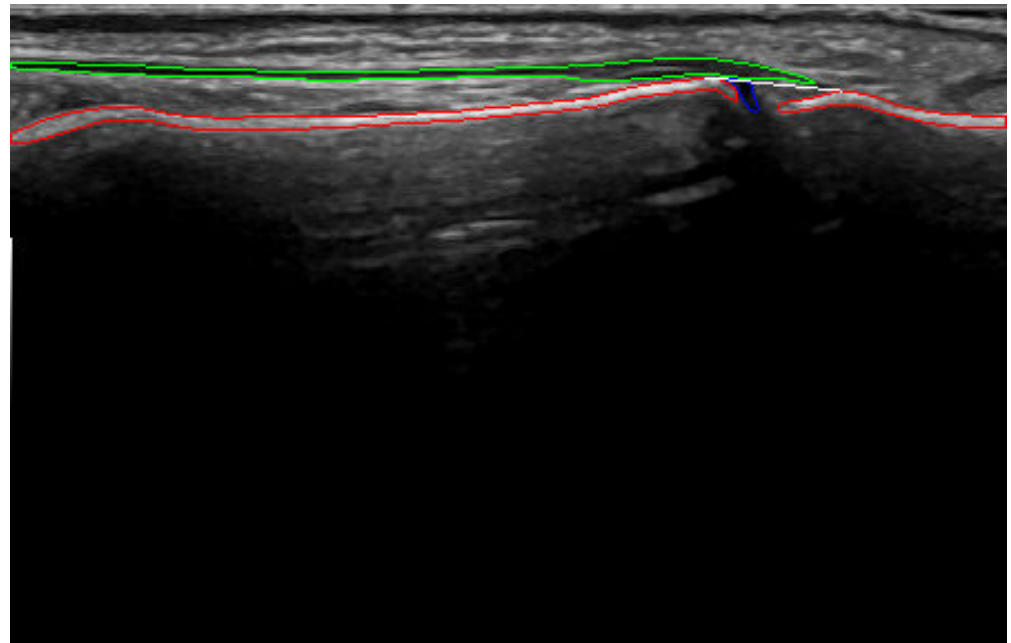No signs of synovial hypertrophy

Doppler score: 0
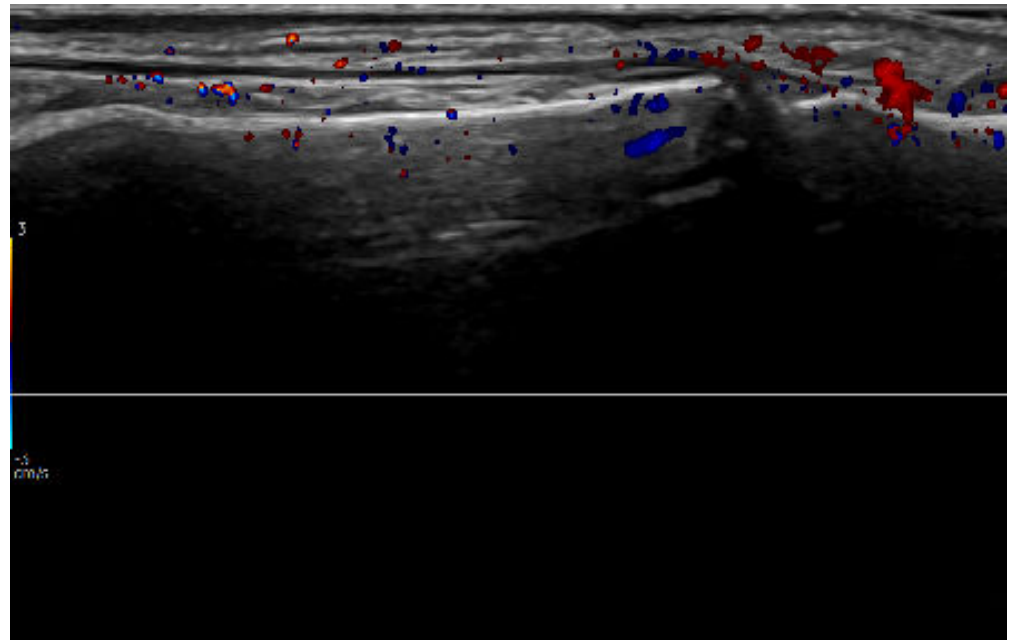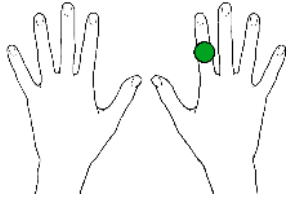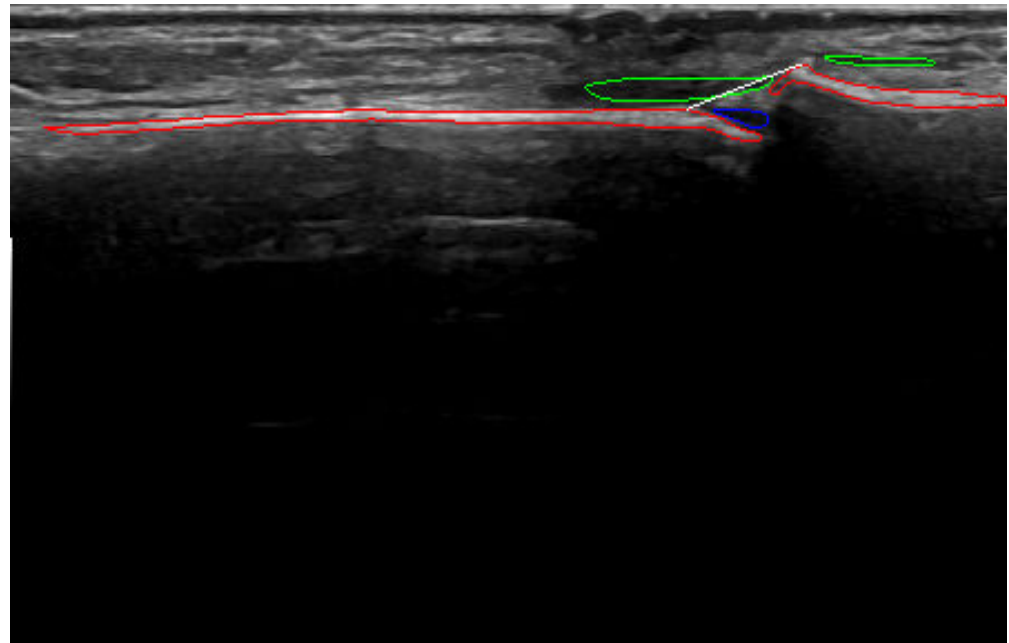No Doppler activity (Doppler image contains noise)

Osteophyte score: 0
No osteophytes identified

B-Mode

🔴 Bone
🟣 Osteophyte
🔵 Synovium
🟢 Tendon
⚪ Artifact

Doppler

Right PIP-2

Synovial Hypertrophy score: 0
No signs of synovial hypertrophy

Doppler score: 0
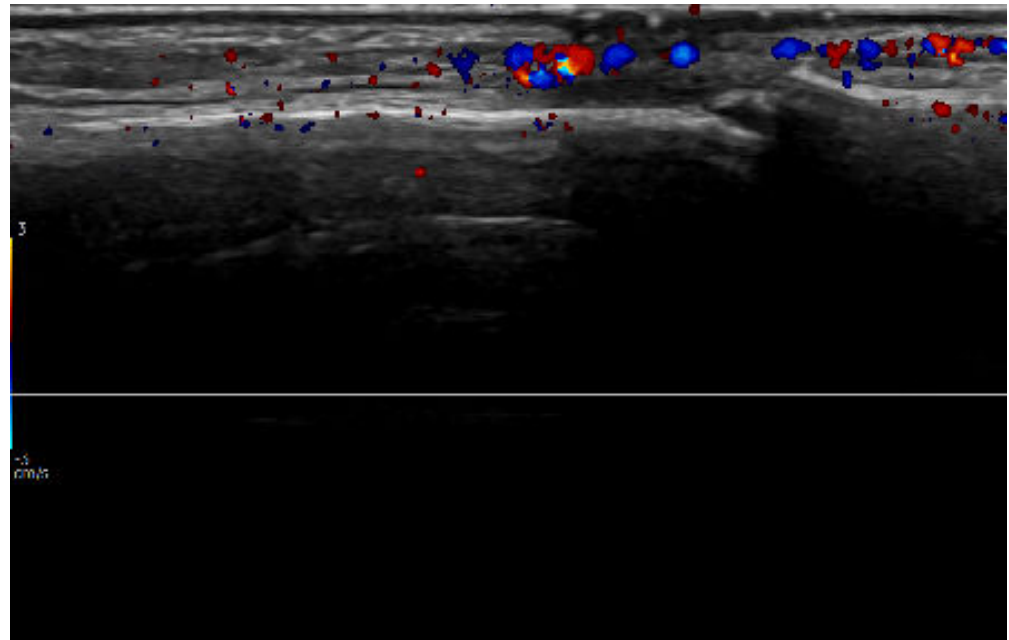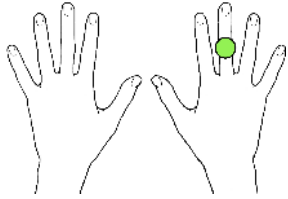No Doppler activity (Doppler image contains noise)

Osteophyte score: 0
No osteophytes identified

B-Mode

- 🔴 Bone
- 🟣 Osteophyte
- 🔵 Synovium
- 🟢 Tendon
- ⚪ Artifact

Doppler

Right PIP-3

Synovial Hypertrophy score: 1
Minimal synovial hypertrophy (based on its area)
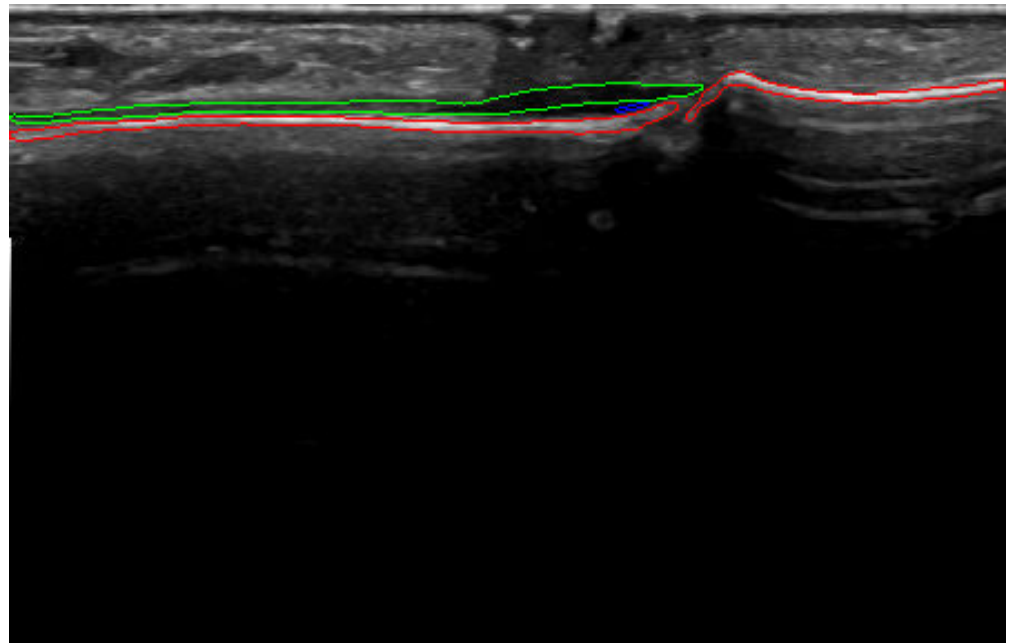
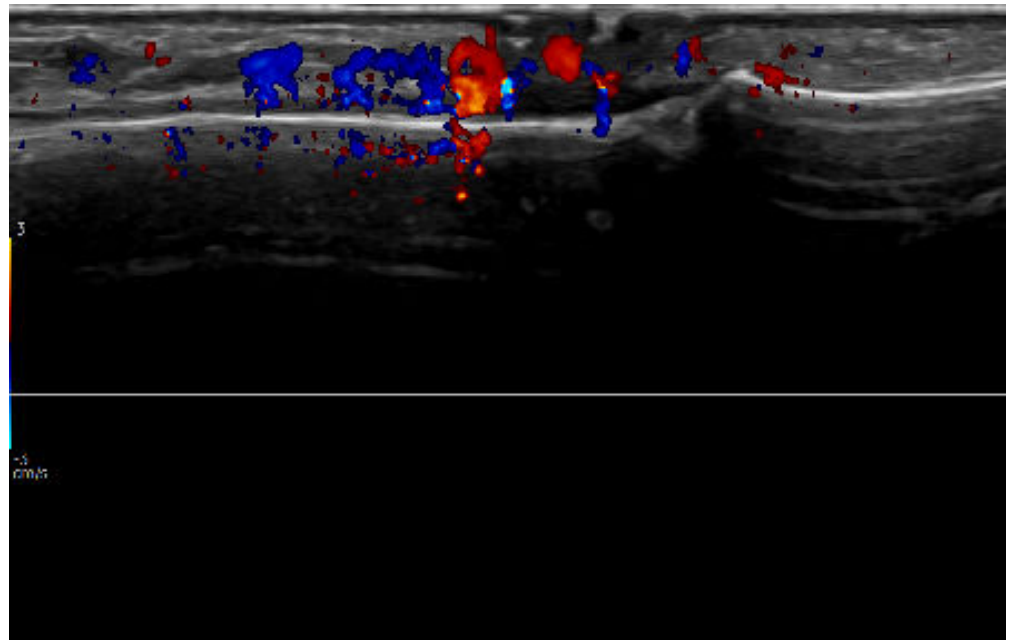**Doppler score: 0**
No Doppler activity

Osteophyte score: 0
No osteophytes identified

B-Mode

- 🔴 Bone
- 🟣 Osteophyte
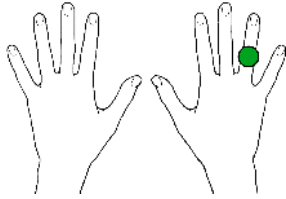- 🔵 Synovium
- 🟢 Tendon
- ⚪ Artifact

Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

Right PIP-4

Synovial Hypertrophy score: 0
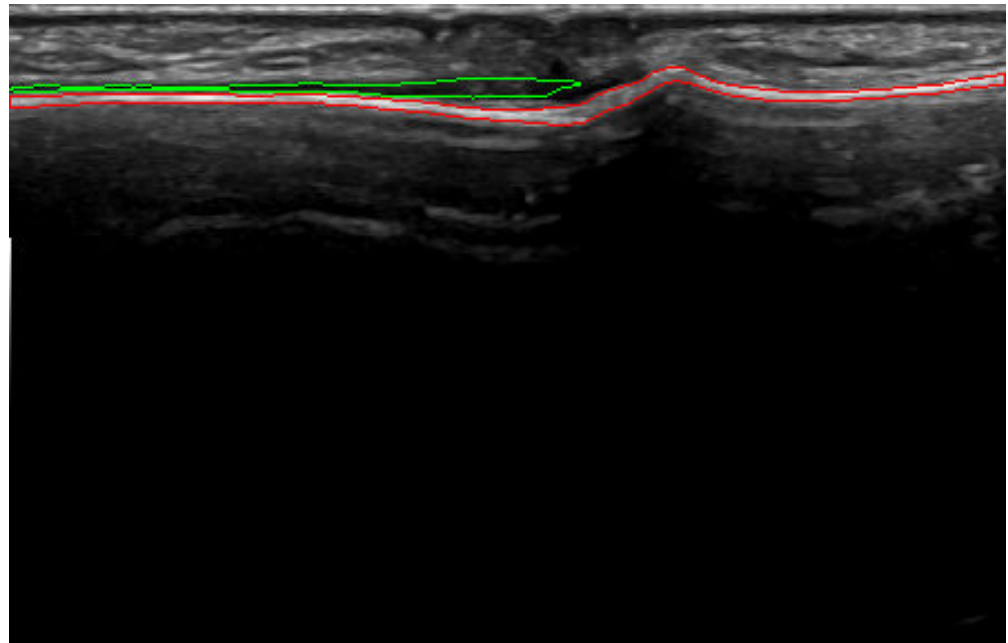No signs of synovial hypertrophy

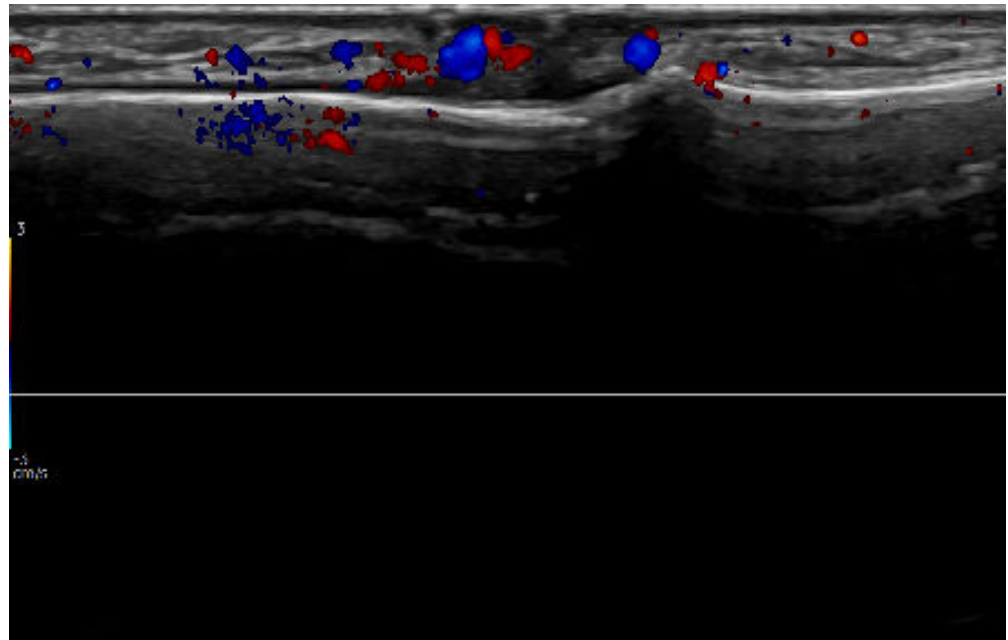**Doppler score: 0**
No Doppler activity

Osteophyte score: 0
No osteophytes identified

B-Mode

🔴 Bone
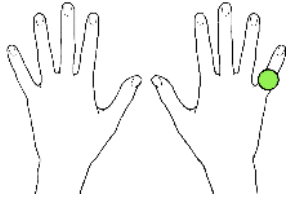🟣 Osteophyte
🔵 Synovium
🟢 Tendon
⚪ Artifact

Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

Right PIP-5

Synovial Hypertrophy score: 1
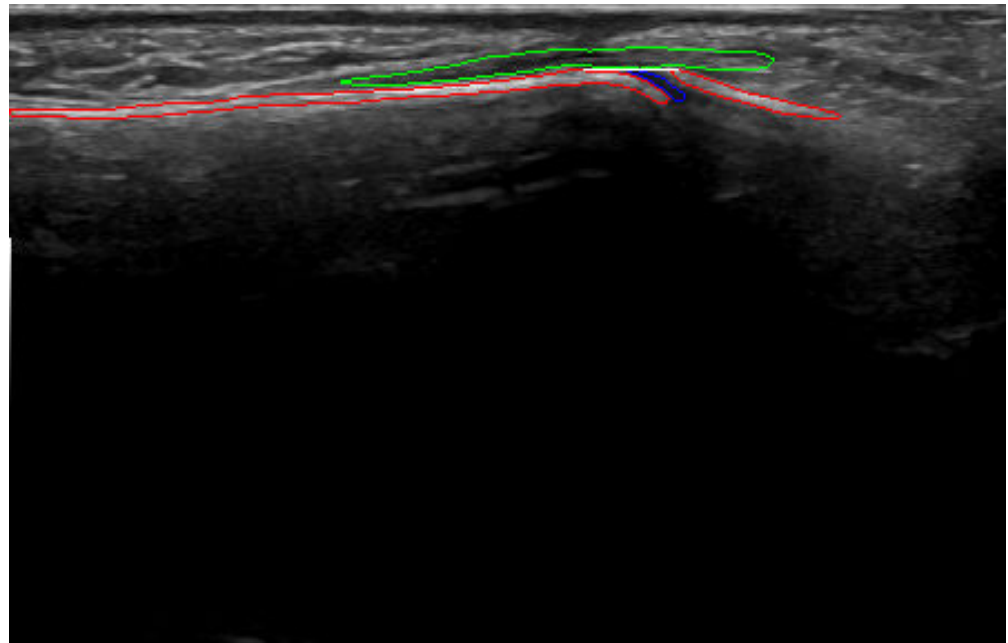Synovial hypertrophy under the joint line

Doppler score: 0
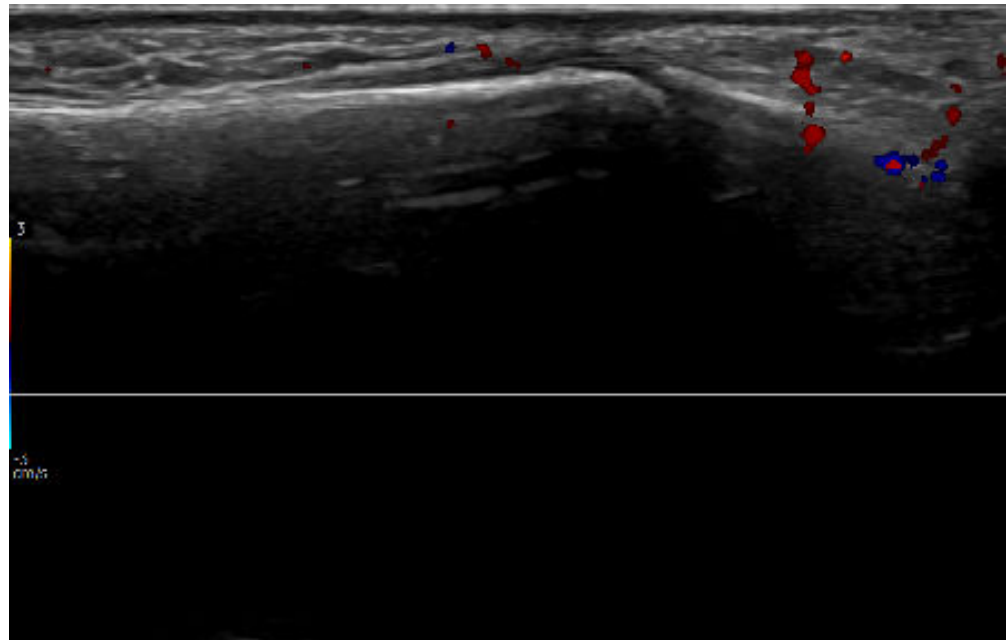No Doppler activity

Osteophyte score: 0
No osteophytes identified

B-Mode

🔴 Bone
🟣 Osteophyte
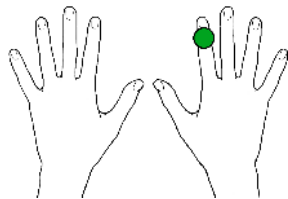🔵 Synovium
🟢 Tendon
⚪ Artifact

Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

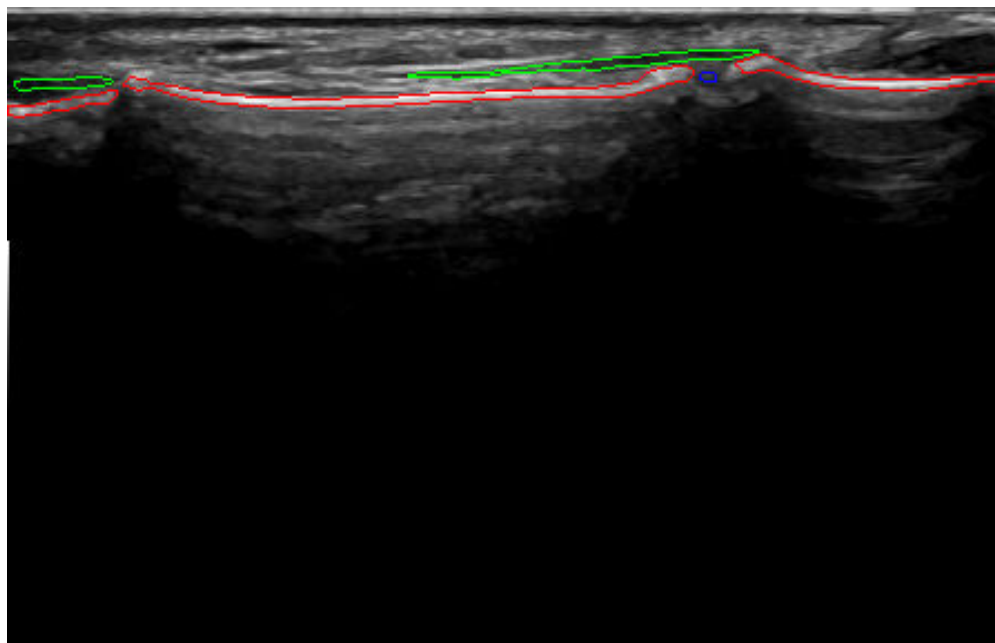## Right DIP-2

Osteophyte score: 0
No osteophytes identified

B-Mode

- 🔴 Bone
- 🟣 Osteophyte
- 🔵 Synovium
- 🟢 Tendon
- ⚫ Artifact

Doppler

Right DIP-3

Osteophyte score: 0
No osteophytes identified

B-Mode

- 🔴 Bone
- 🟣 Osteophyte
- 🔵 Synovium
- 🟢 Tendon
- ⚪ Artifact

Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

Right DIP-4

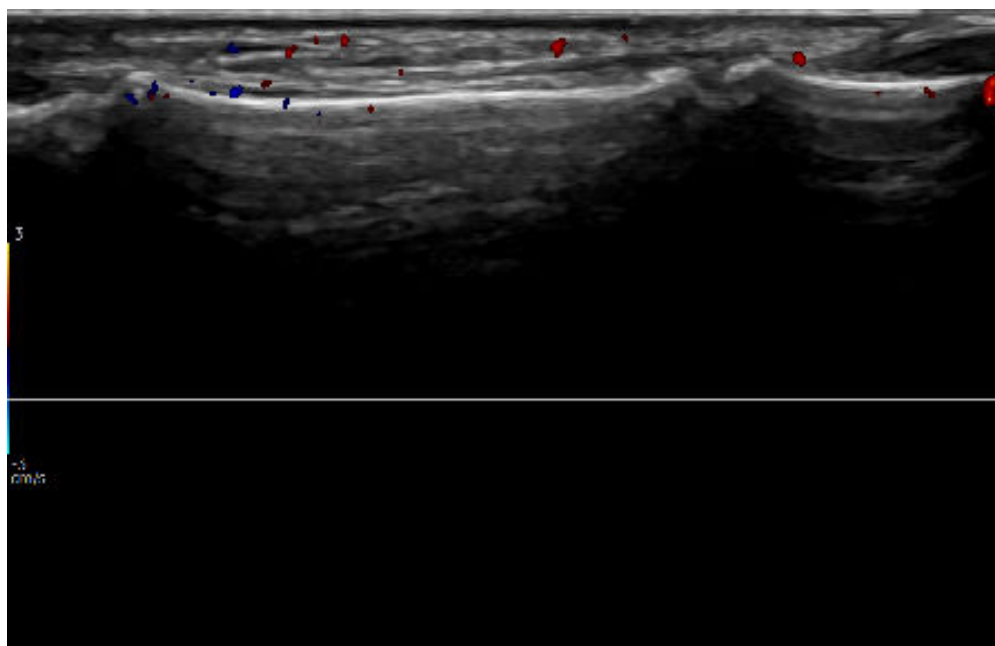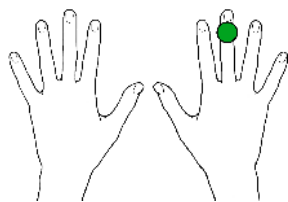**Osteophyte score: 0**
No osteophytes identified
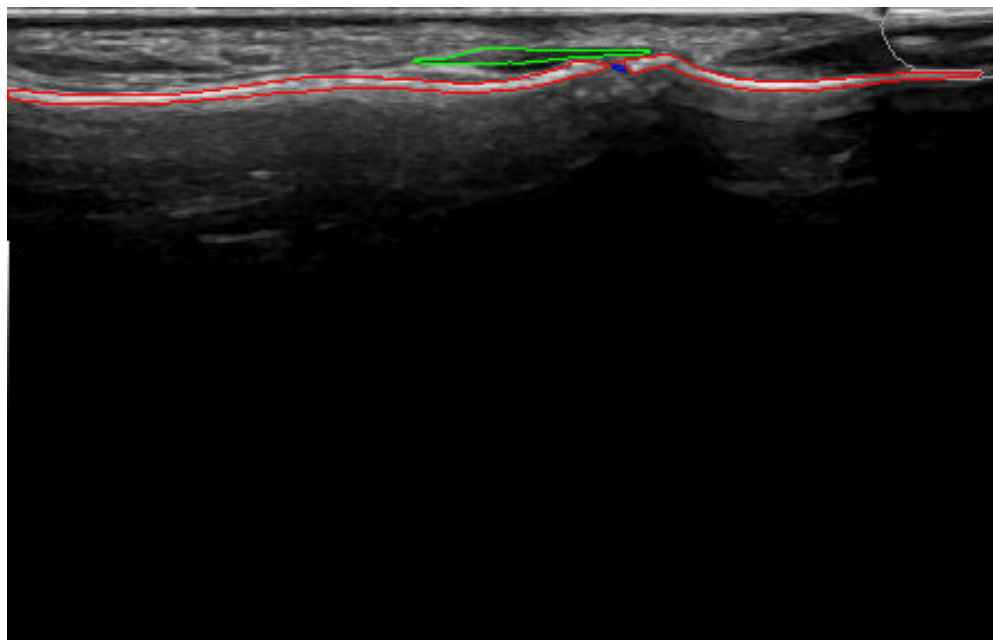
B-Mode

- 🔴 Bone
- 🟣 Osteophyte
- 🔵 Synovium
- 🟢 Tendon
- ⚫ Artifact

Doppler

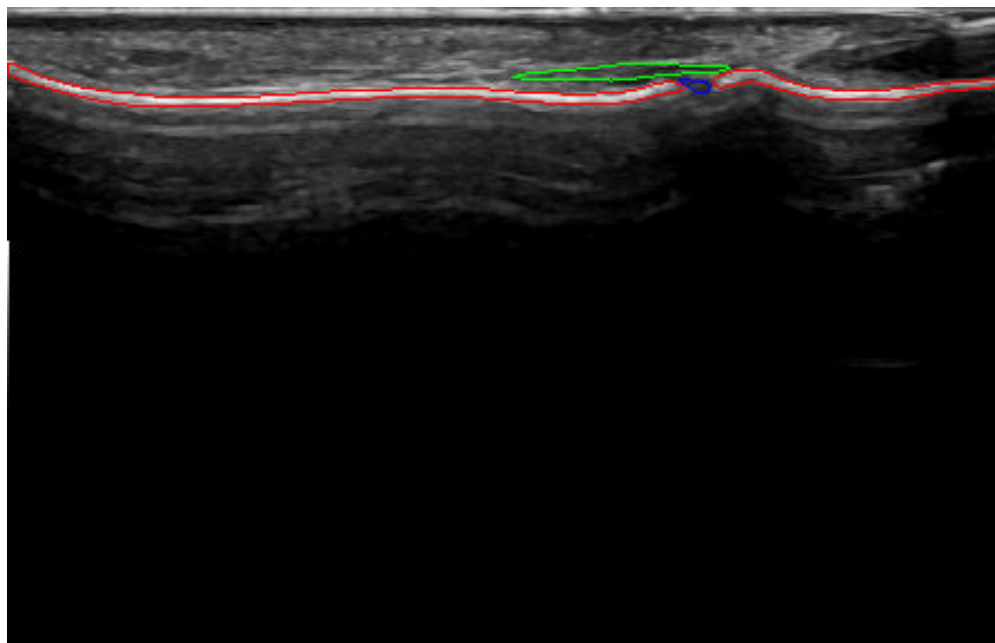**WARNING:** This report is only for decision support. It cannot be used on its own to diagnose the patient.

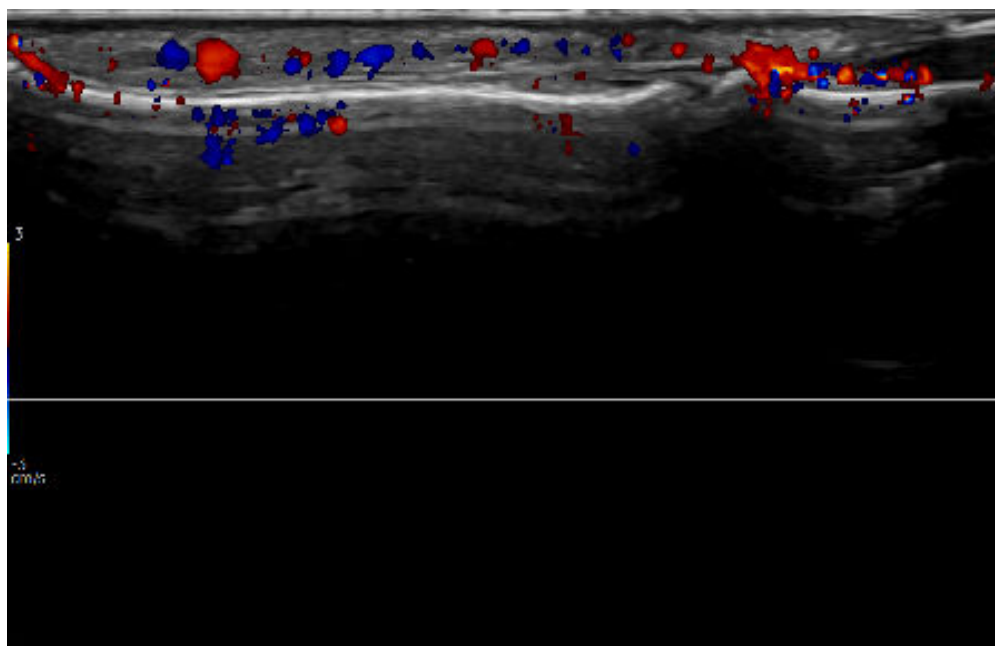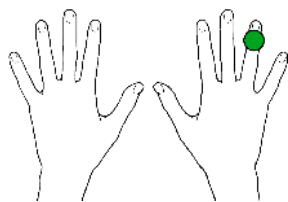## Right DIP-5

Osteophyte score: 0
No osteophytes identified

B-Mode

- 🔴 Bone
- 🟣 Osteophyte
- 🔵 Synovium
- 🟢 Tendon
- ⚫ Artifact
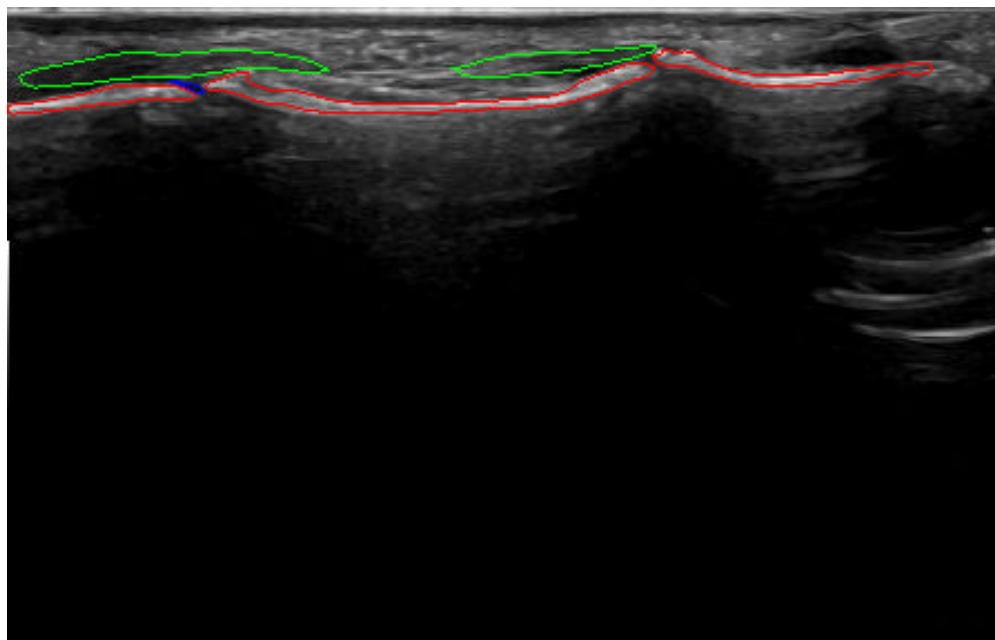
Doppler

WARNING: This report is only for decision support. It cannot be used on its own to diagnose the patient.

Additional information

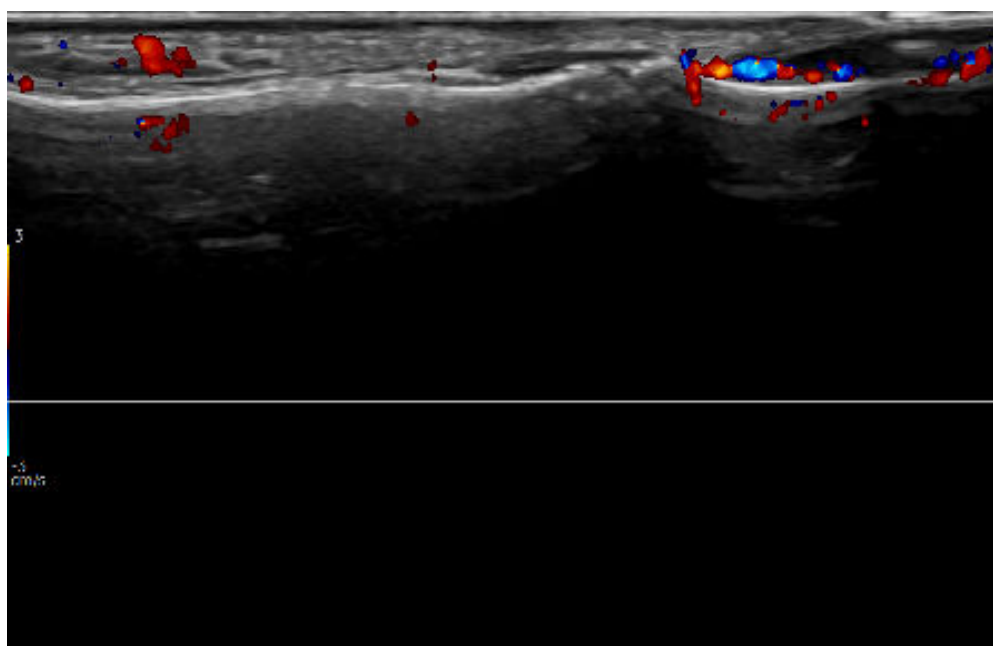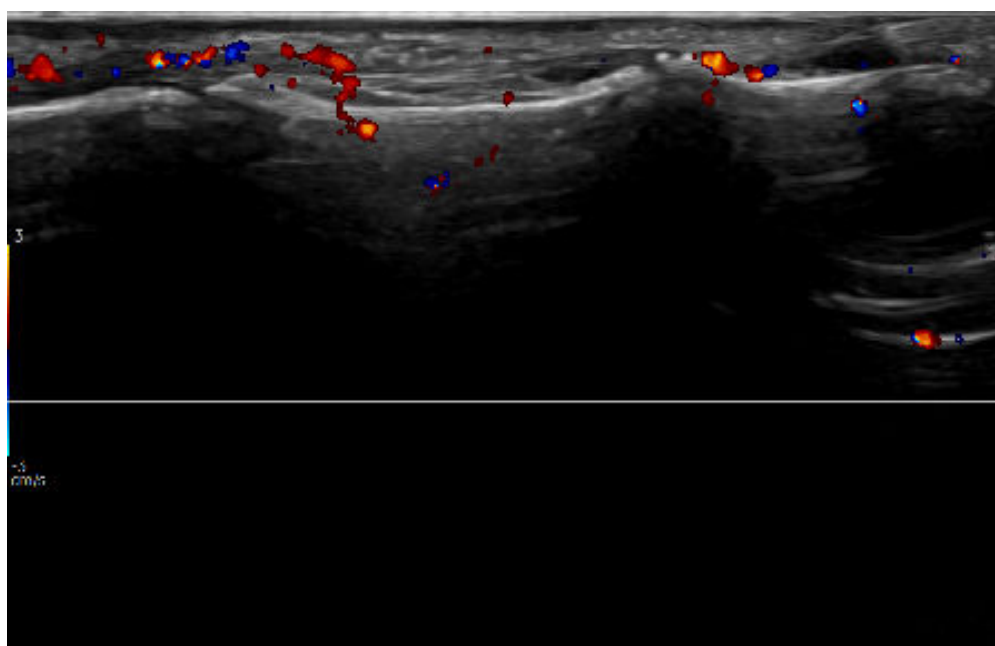## The patient's hand(s)

No hand images included in the scan

Scoring system

	The user manual contains information about the scoring system

Ultrasound machine

Mode	Setting	Value
	Model	GE_LOGIQ_E10
	Preset	ROPCA
Grayscale	Gain	62
Color Flow	Gain	25
	Probe	ML6-15

About DIANA version 2.1.0

DIANA is a SaMD (Software as a Medical Device), CE certified under EU 2017/745 (MDR)

DIANA

REF D1 / SW 2.1.0

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MD CE 0123

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