

diaphyseal leg; complete; prosthesis

♀ 79 Y

first referral: 2.7.2008

PMH:

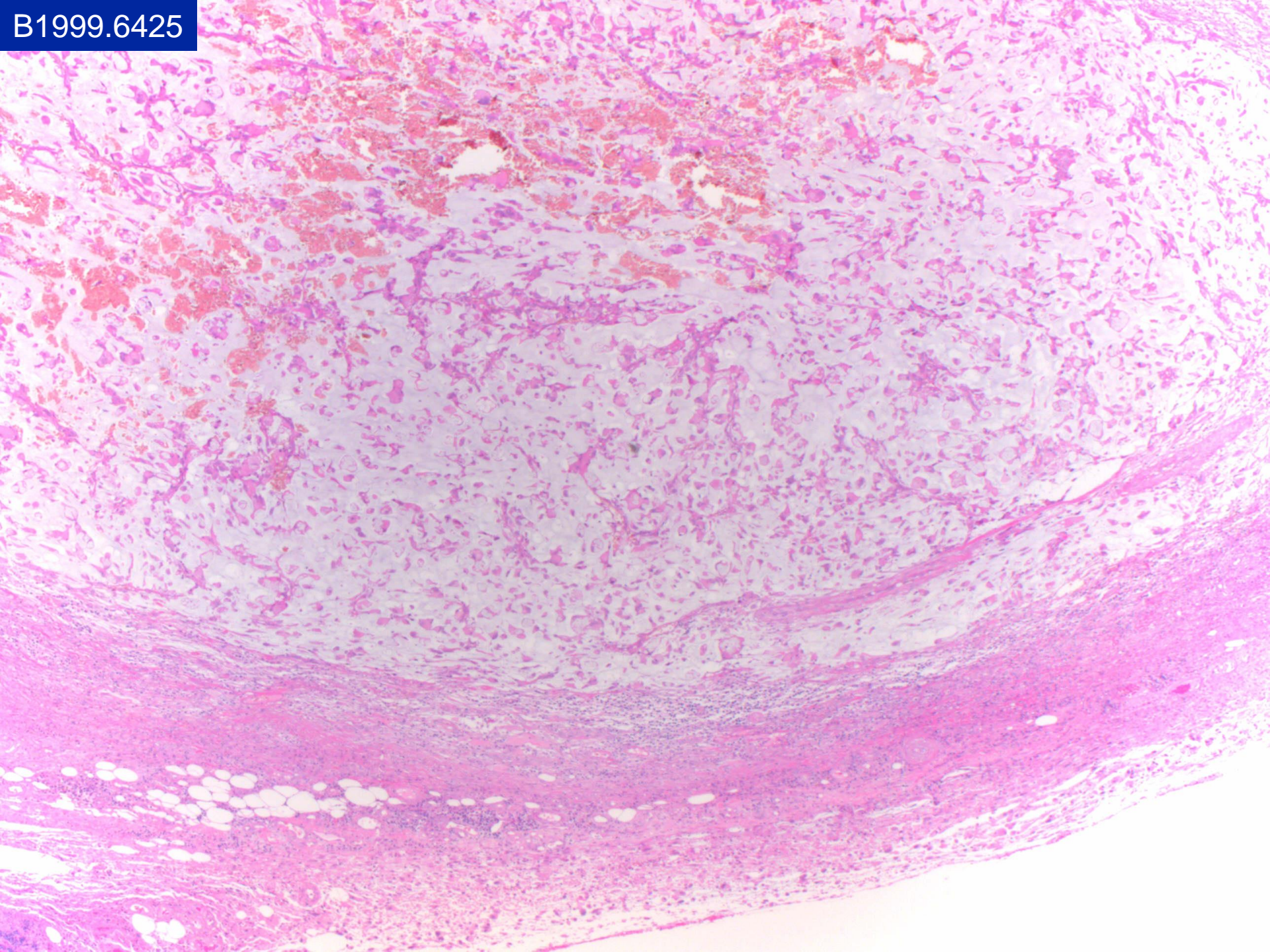
1999 “pleomorphic liposarcoma” right tibia

G3 R1 resection (no further treatment)

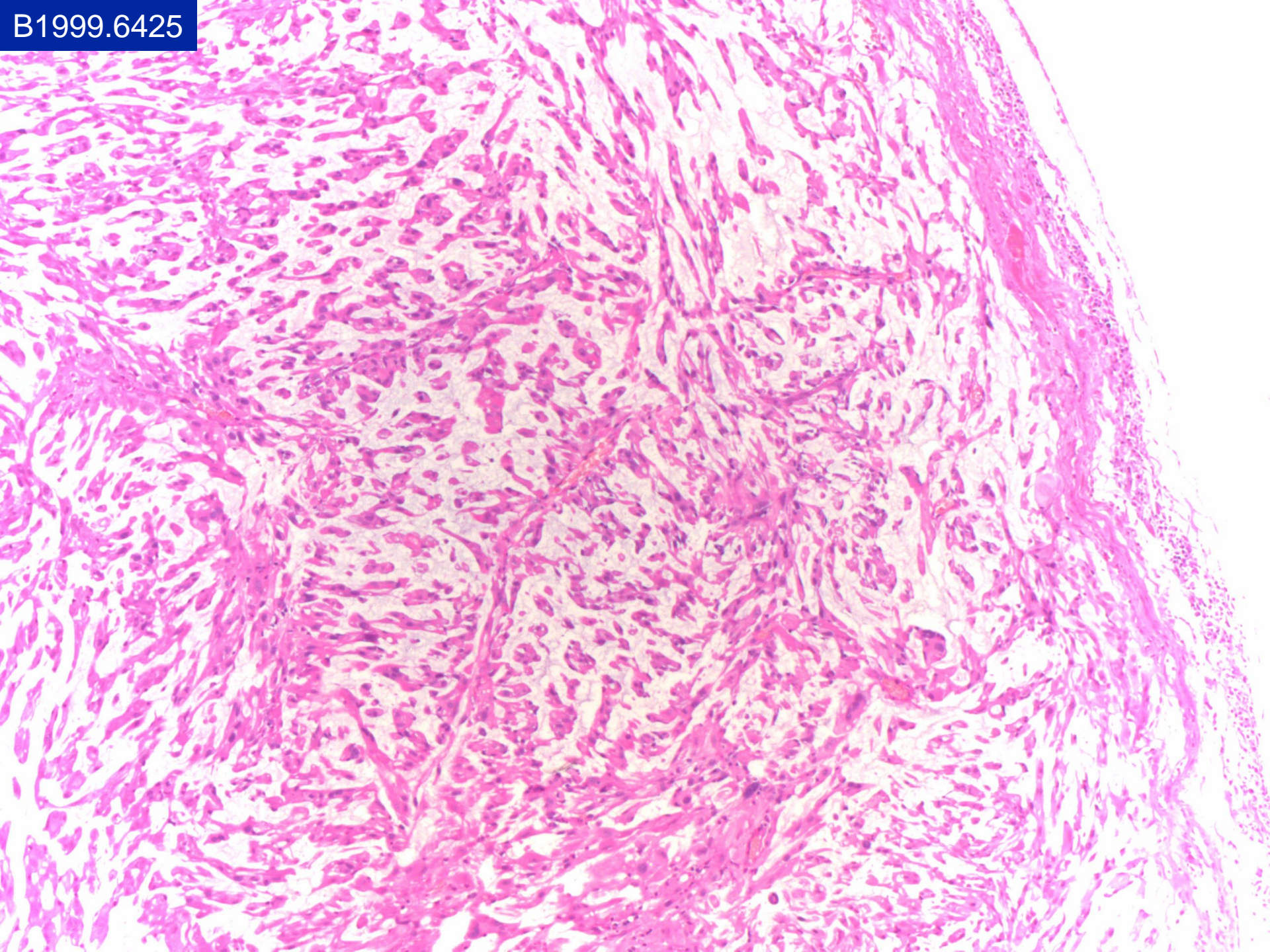
1 month history of a recurrent swelling at
incision site

MRI 26.6.2008

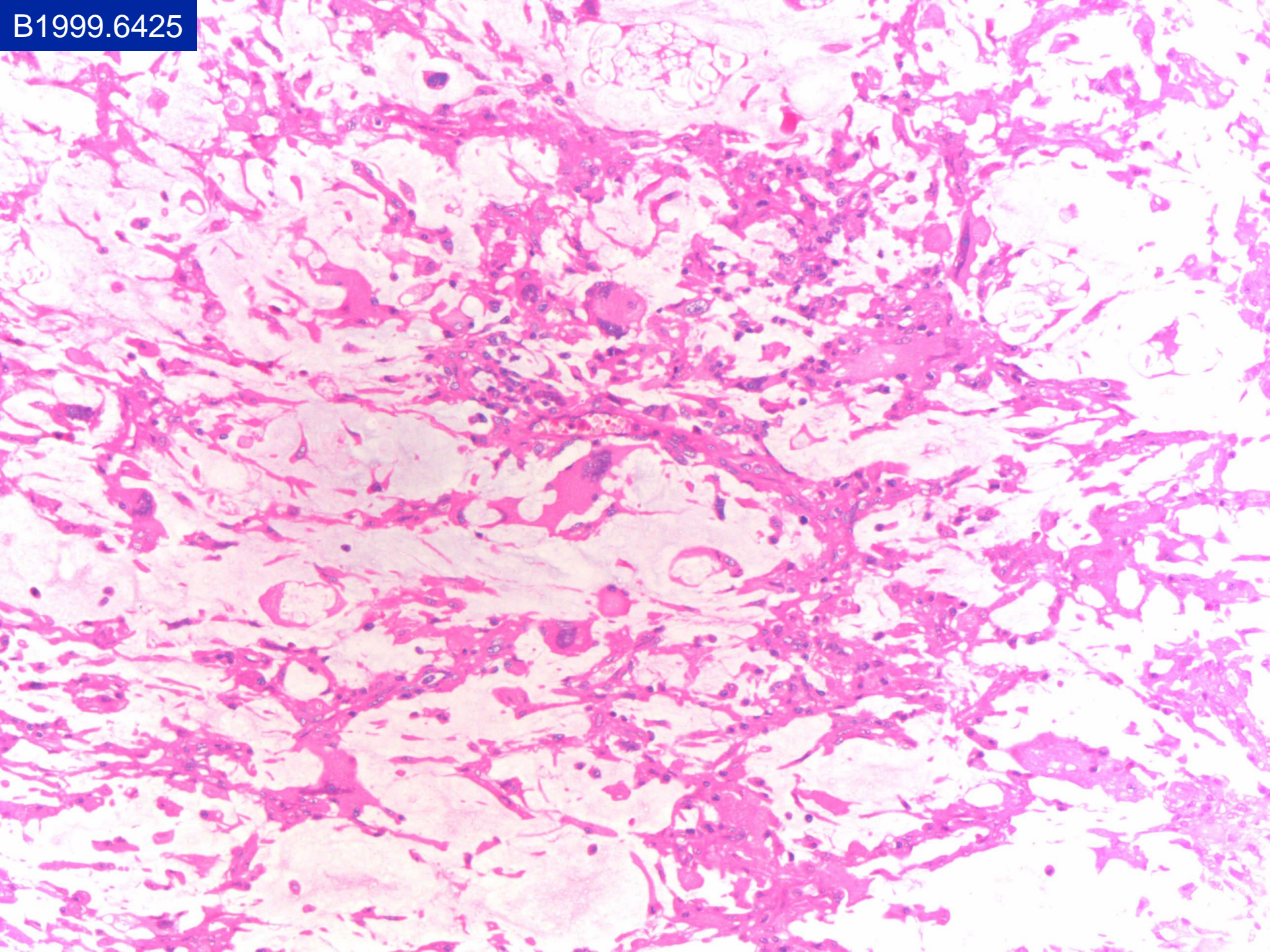
B1999.6425



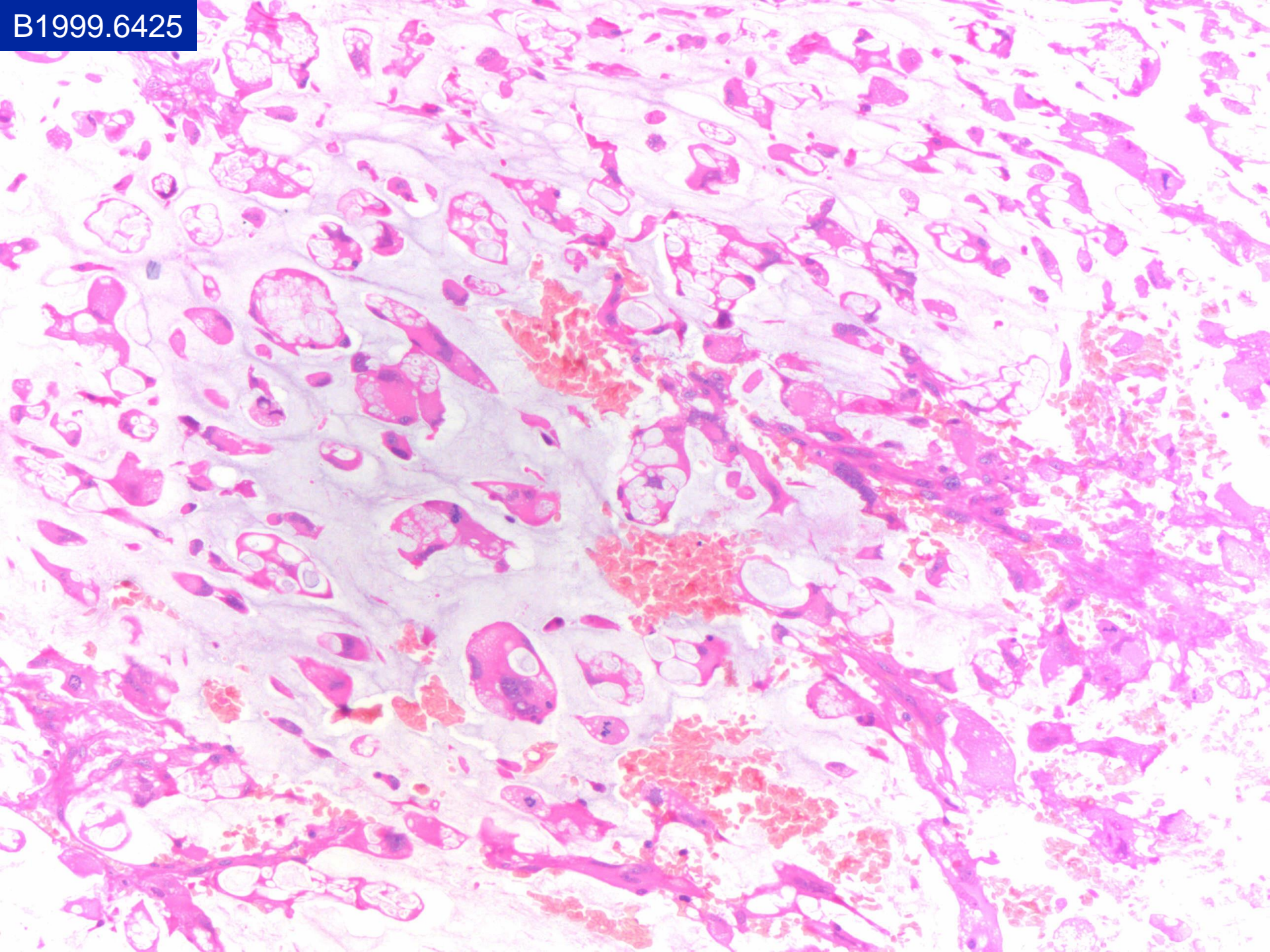
B1999.6425



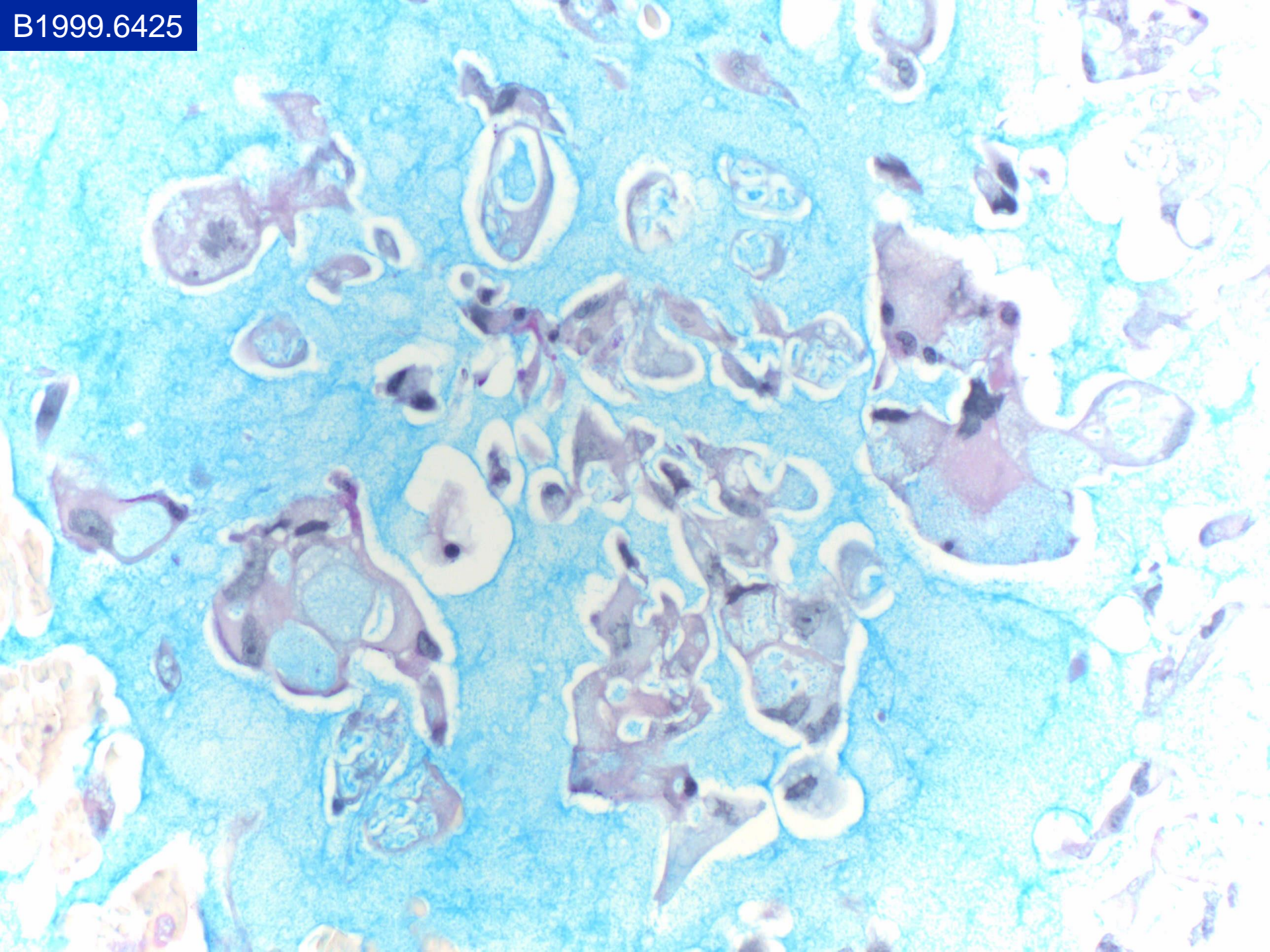
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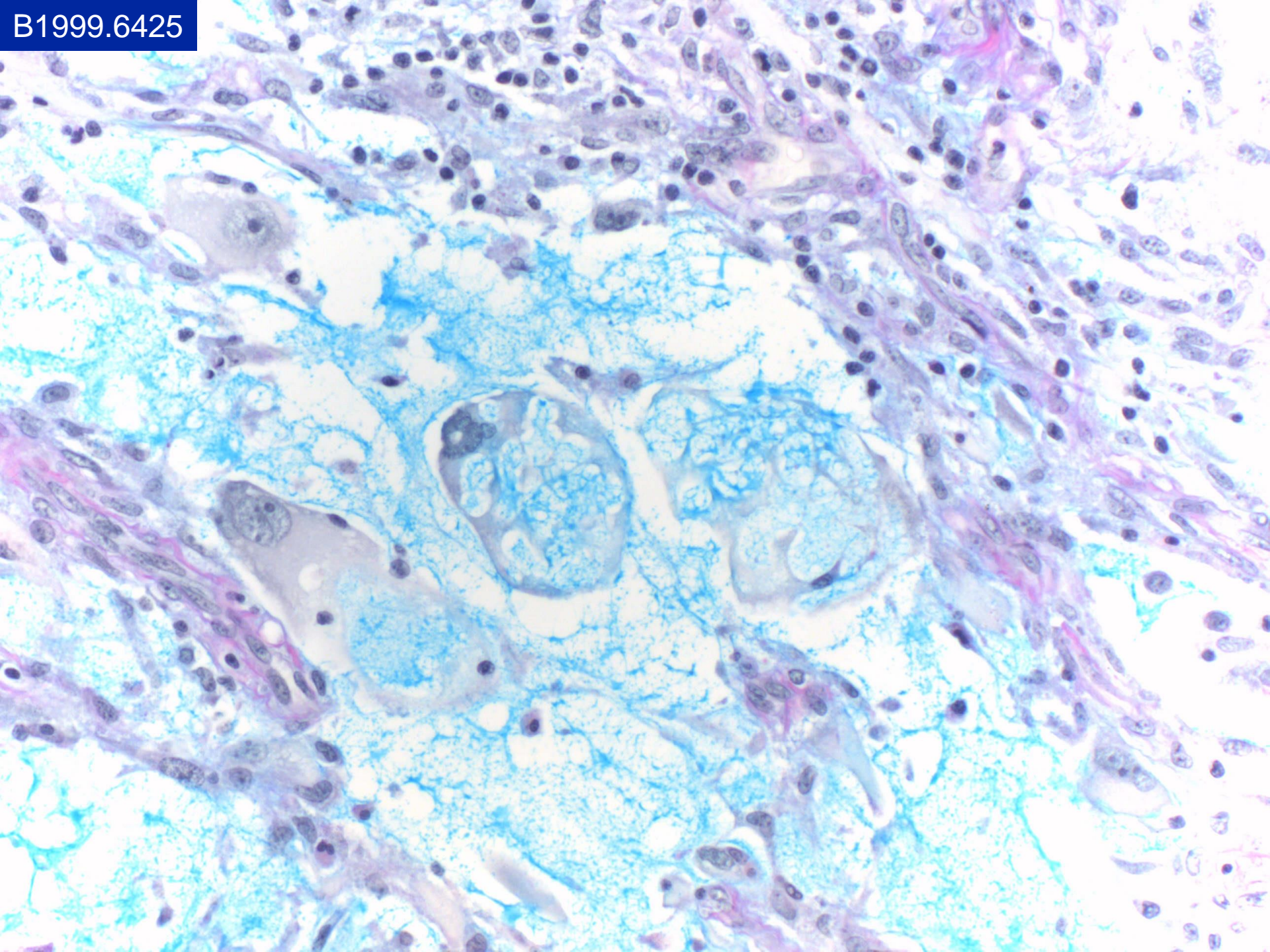
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B1999.6425



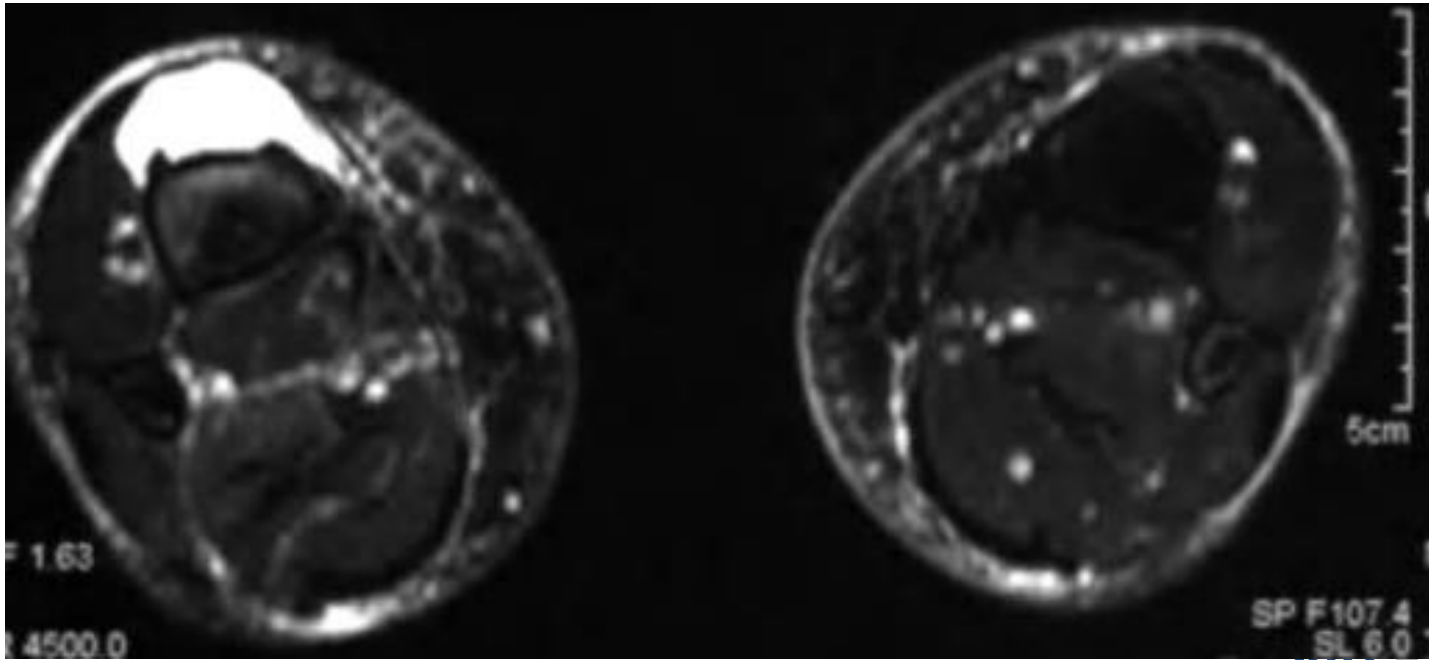
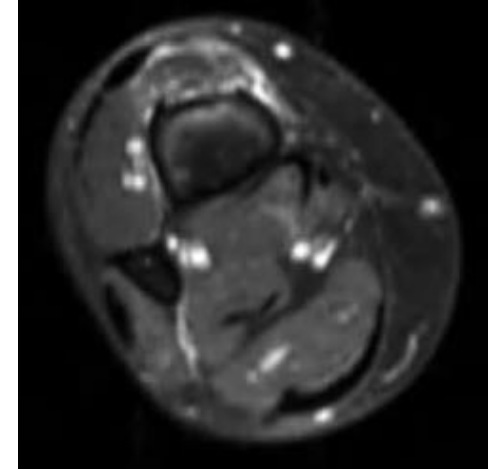
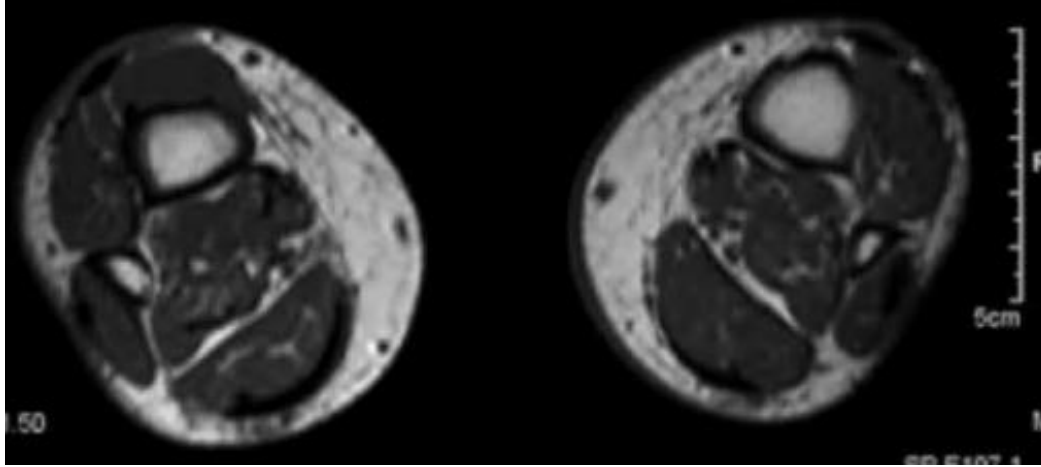
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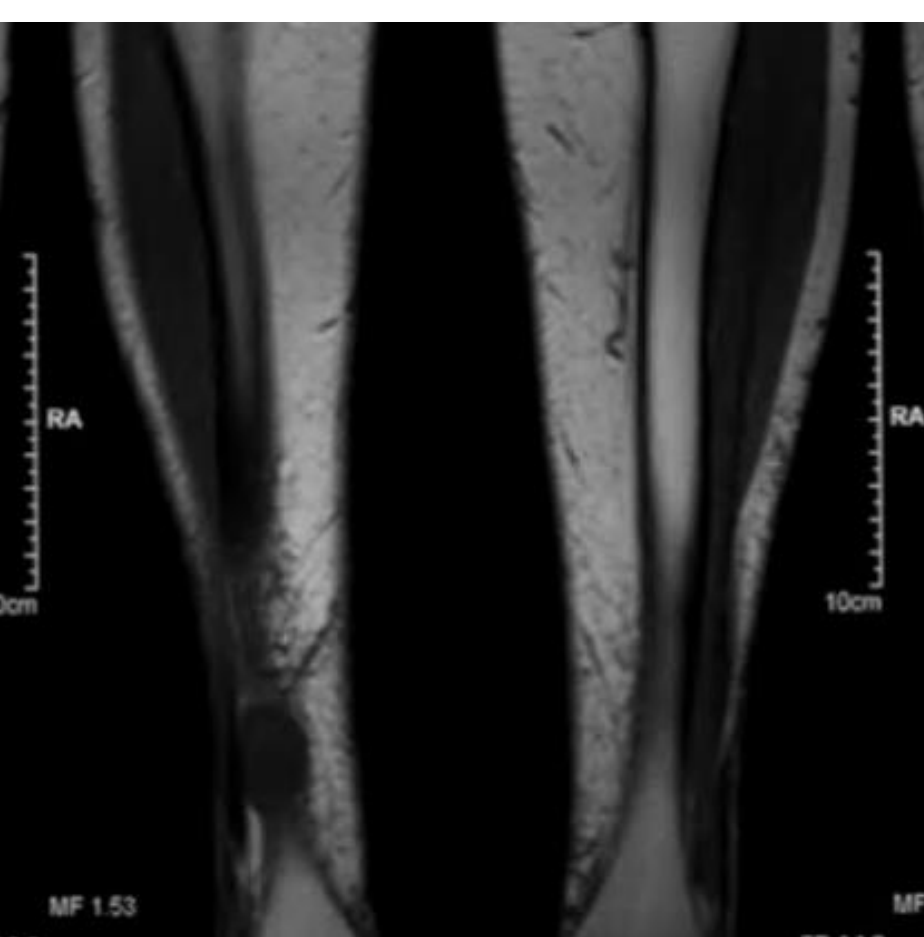
diaphyseal leg; complete; prosthesis Rx 10.7.08



diaphyseal leg; complete; prosthesis CT 26.6.2008

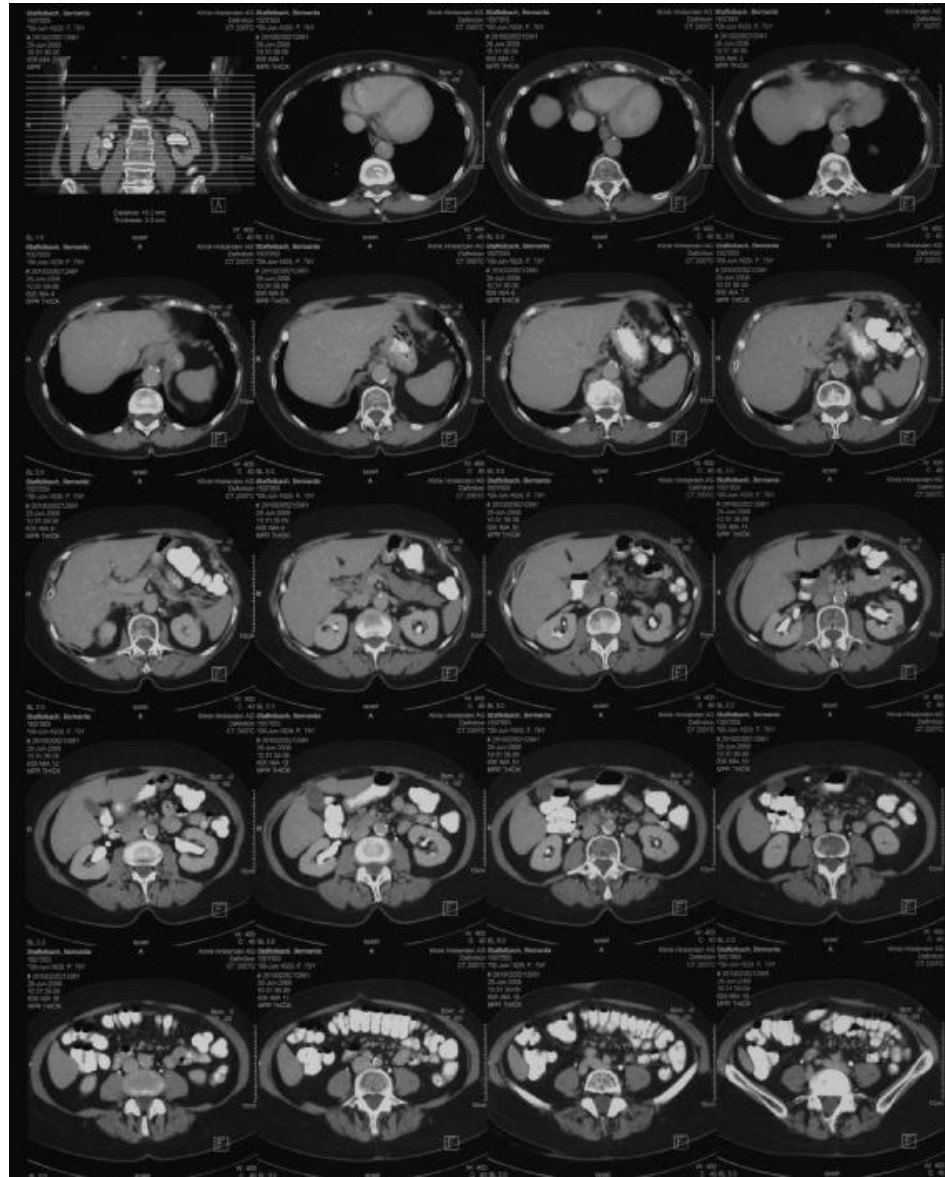
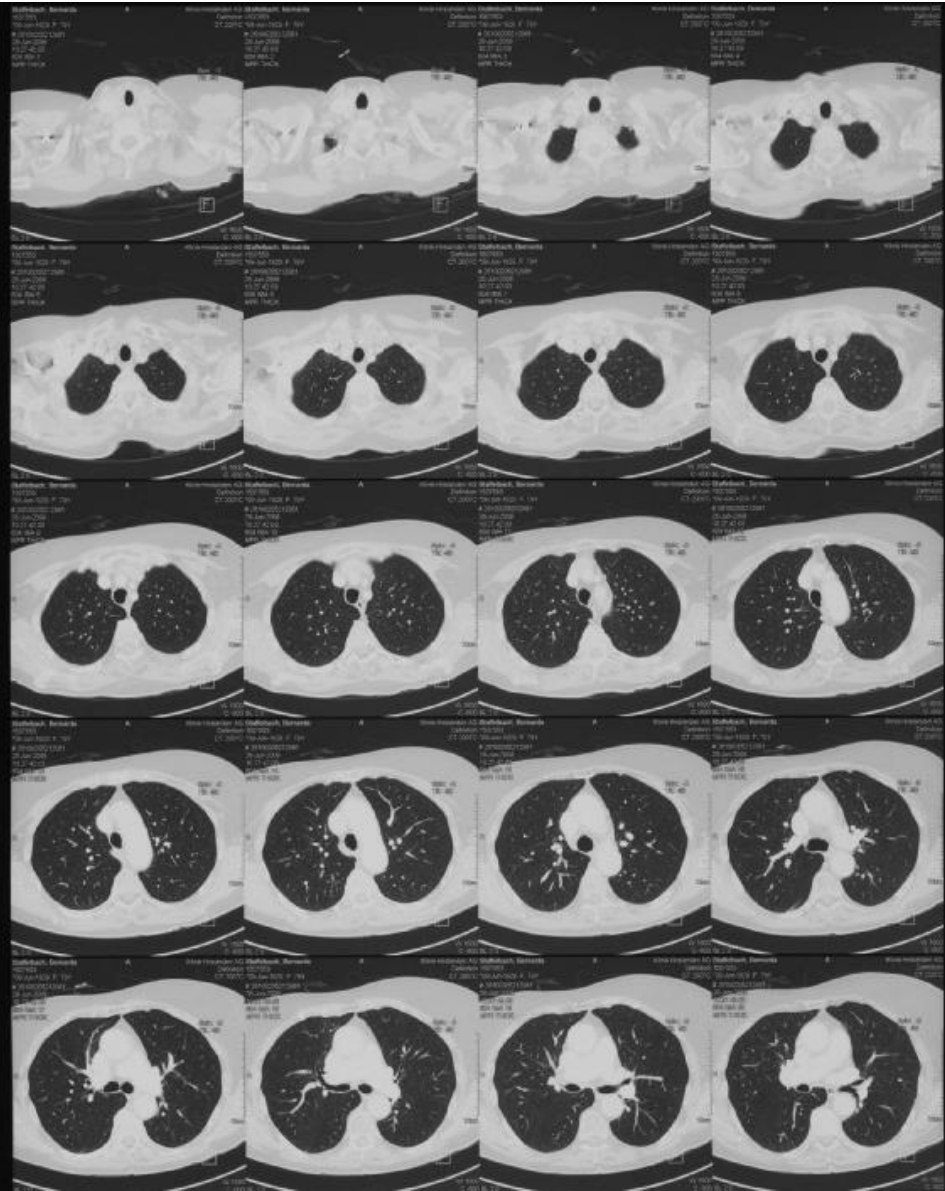


diaphyseal leg; complete; prosthesis CT 26.6.2008



diaphyseal leg; complete; prosthesis

CT Thorax and Abdomen 26.6.2008



diaphyseal leg; complete; prosthesis

US Biopsy 2.7.2008



◆ Dist 3.52 cm
◆ Dist 1.11 cm



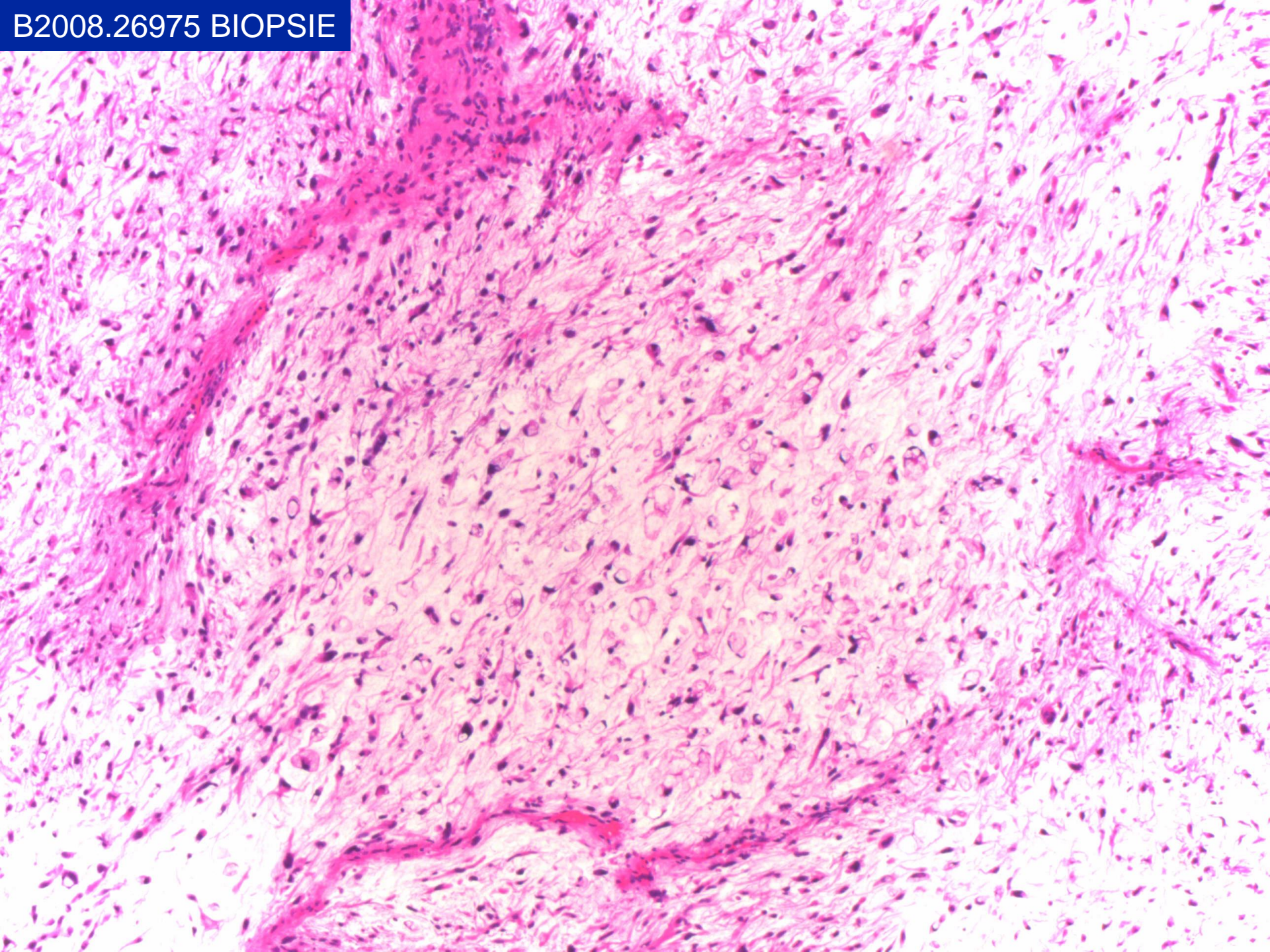
diaphyseal leg; complete; prosthesis

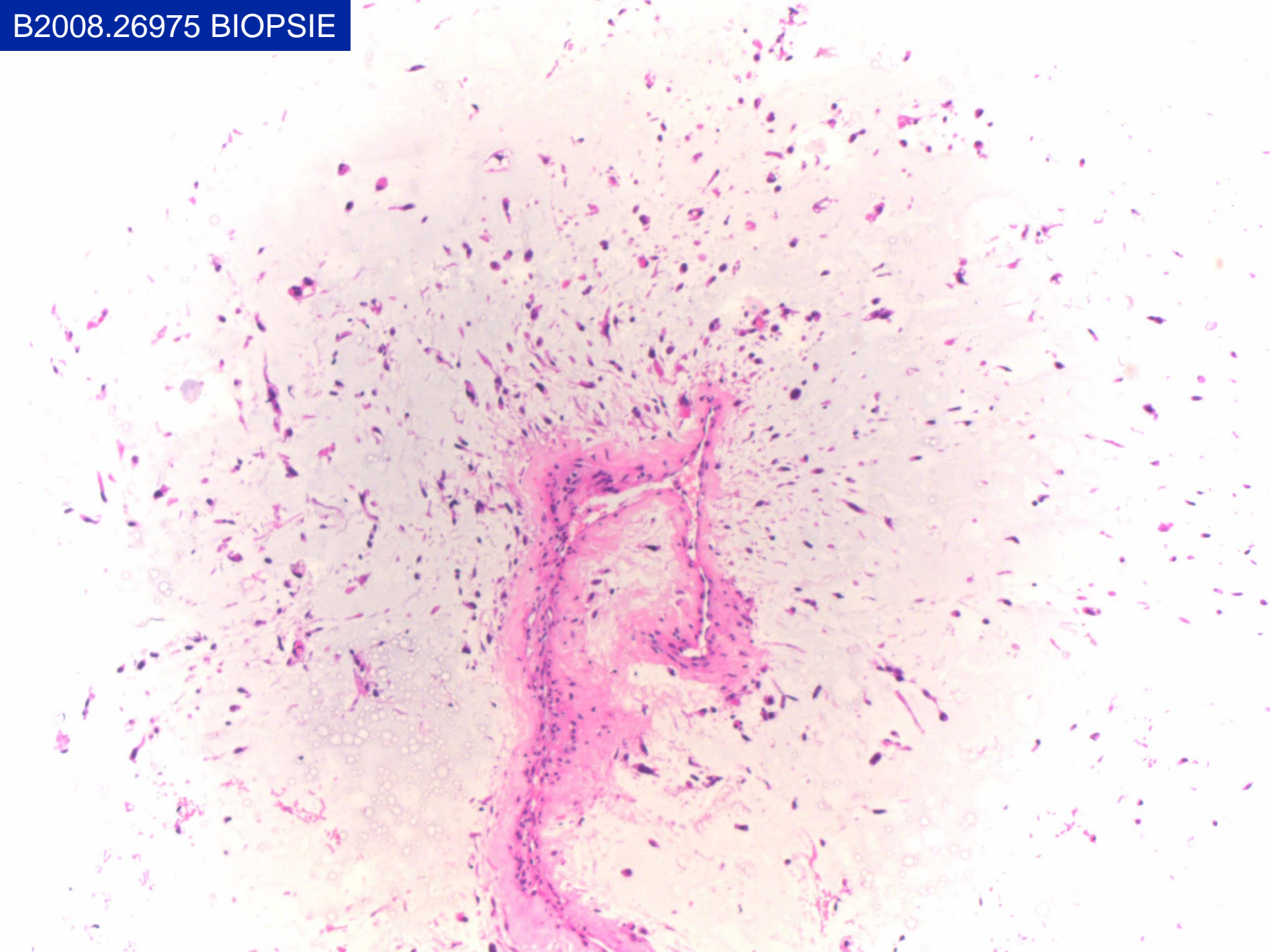
Biopsy (USZ B2008.26975):

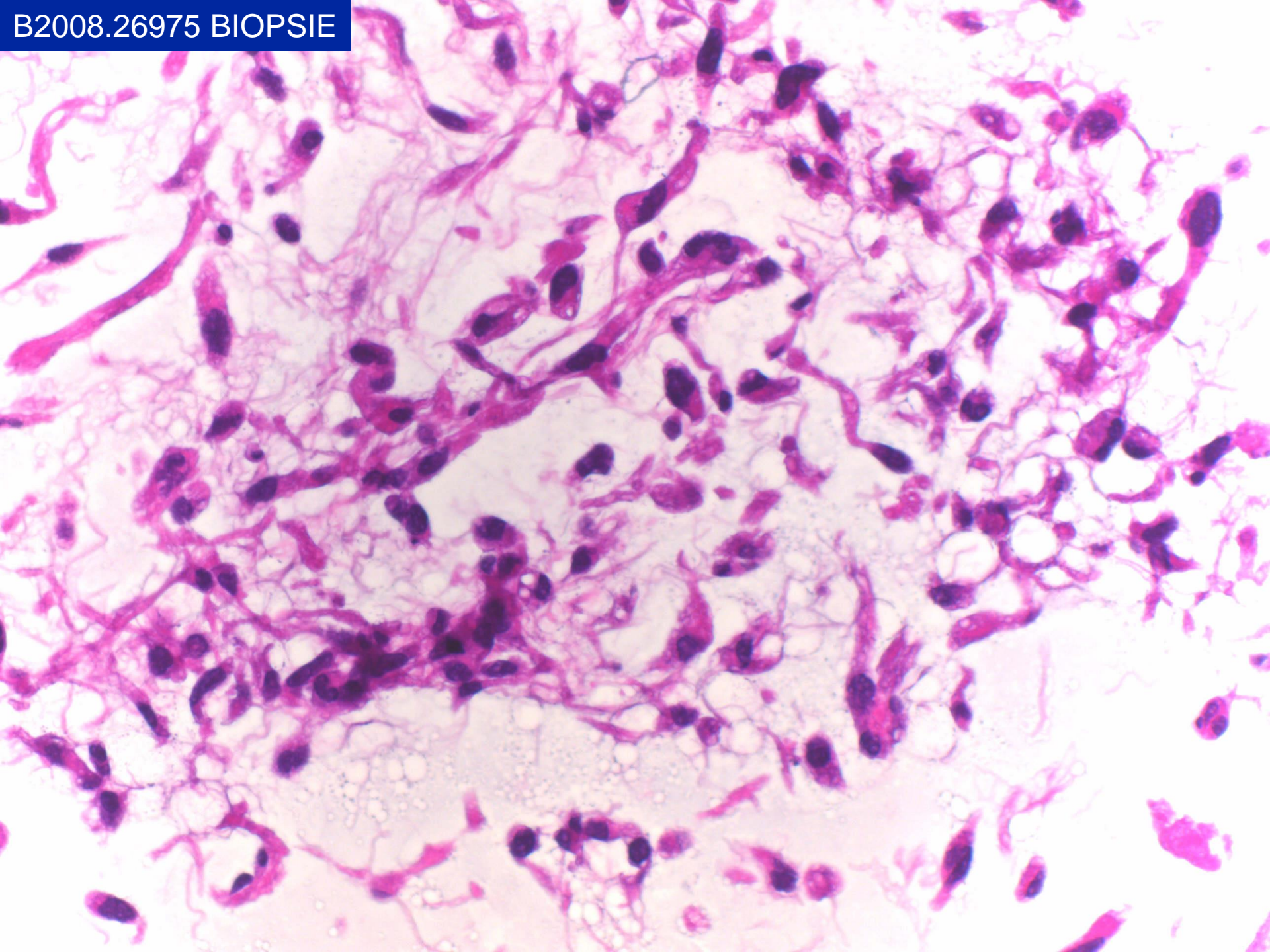
low grade myxofibrosarcoma

1999 (Makek-H4625-99):

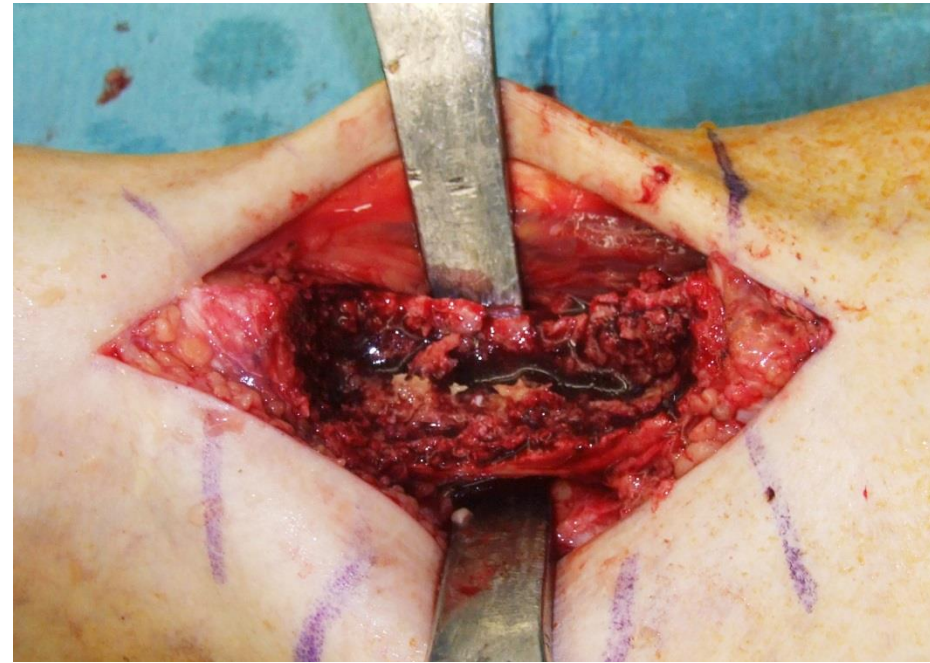
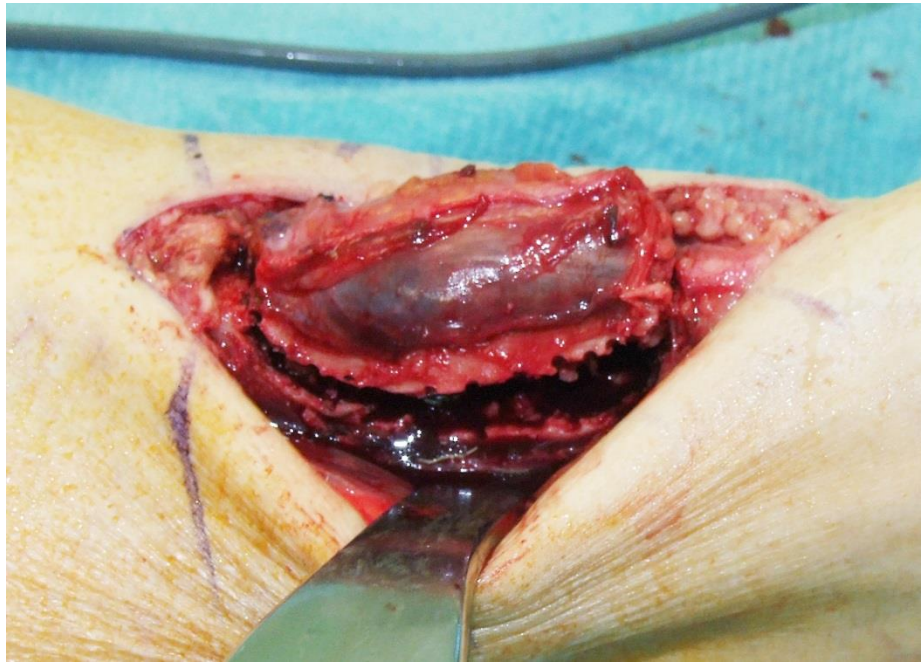
“pleomorphic liposarcoma G3 R1”



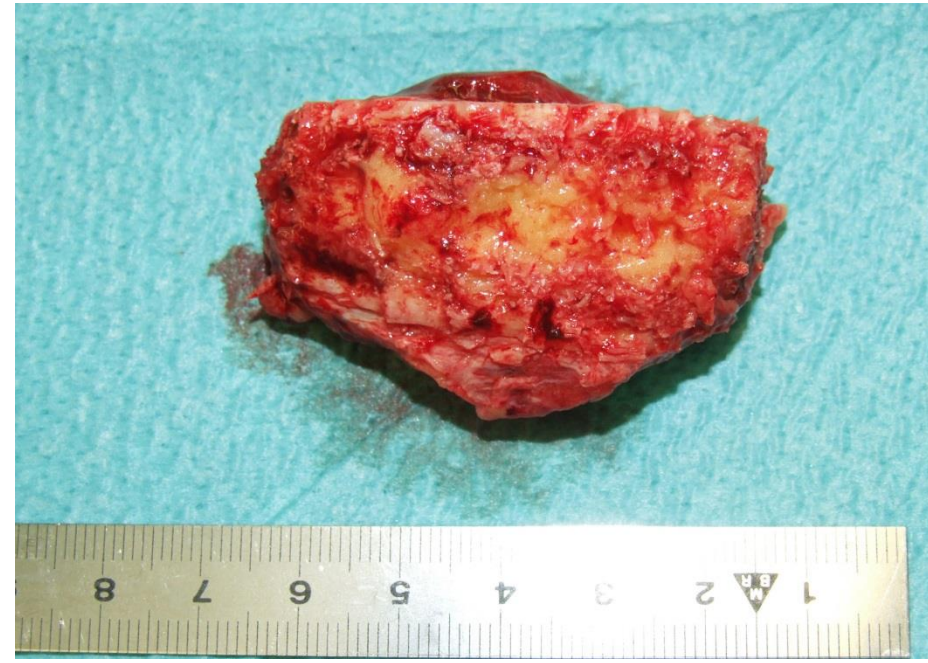
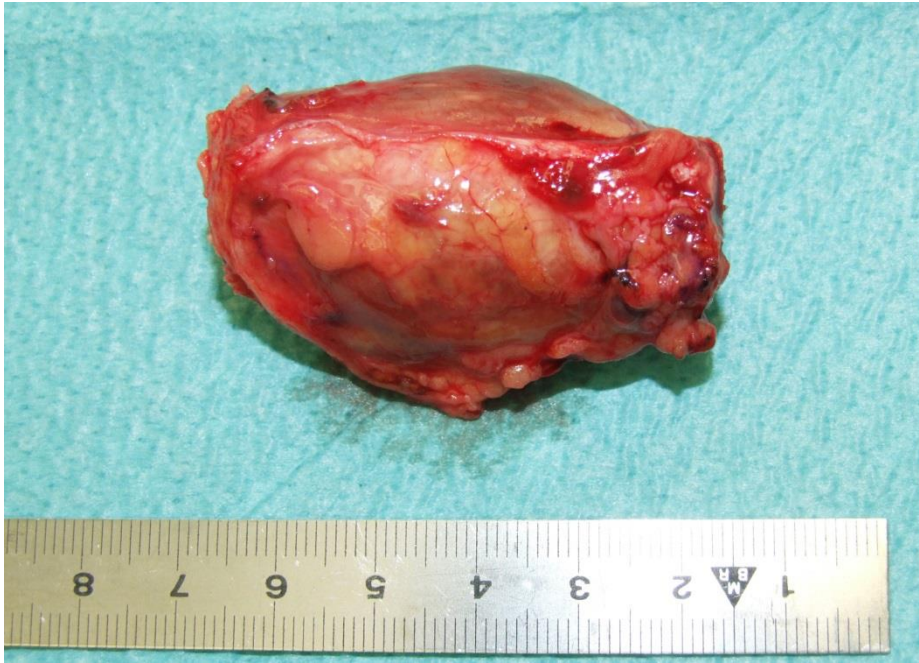




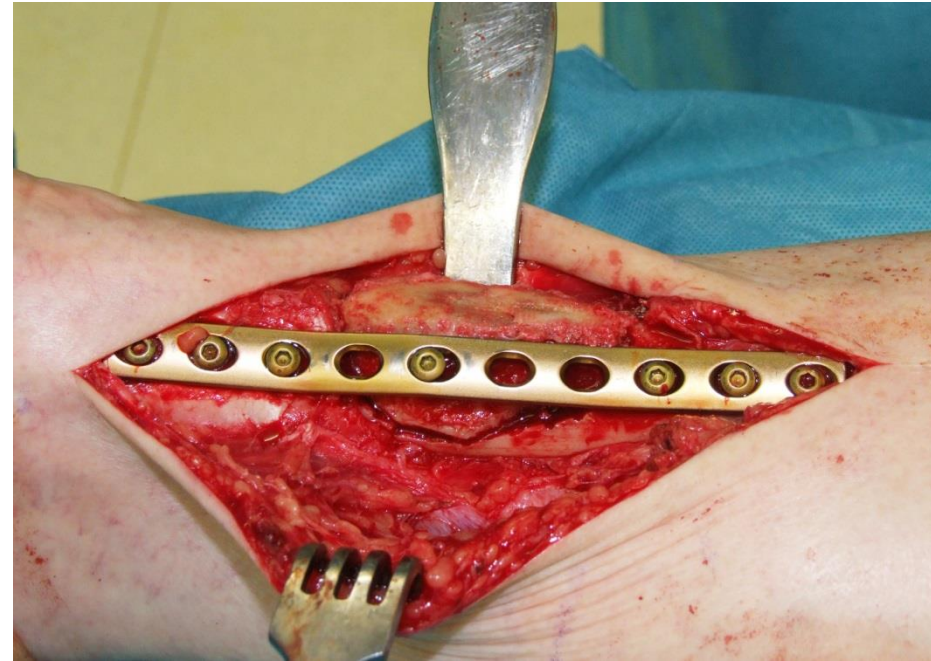
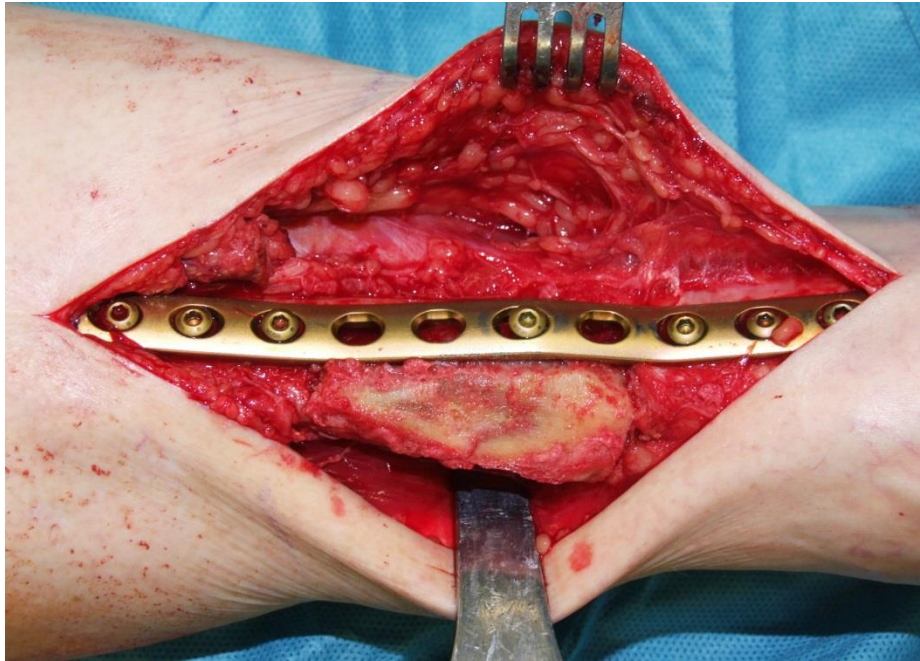
diaphyseal leg; complete; prosthesis partial resection 31.7.2008



diaphyseal leg; complete; prosthesis partial desection 31.7.2008



diaphyseal leg; complete; prosthesis partial resection 31.7.2008

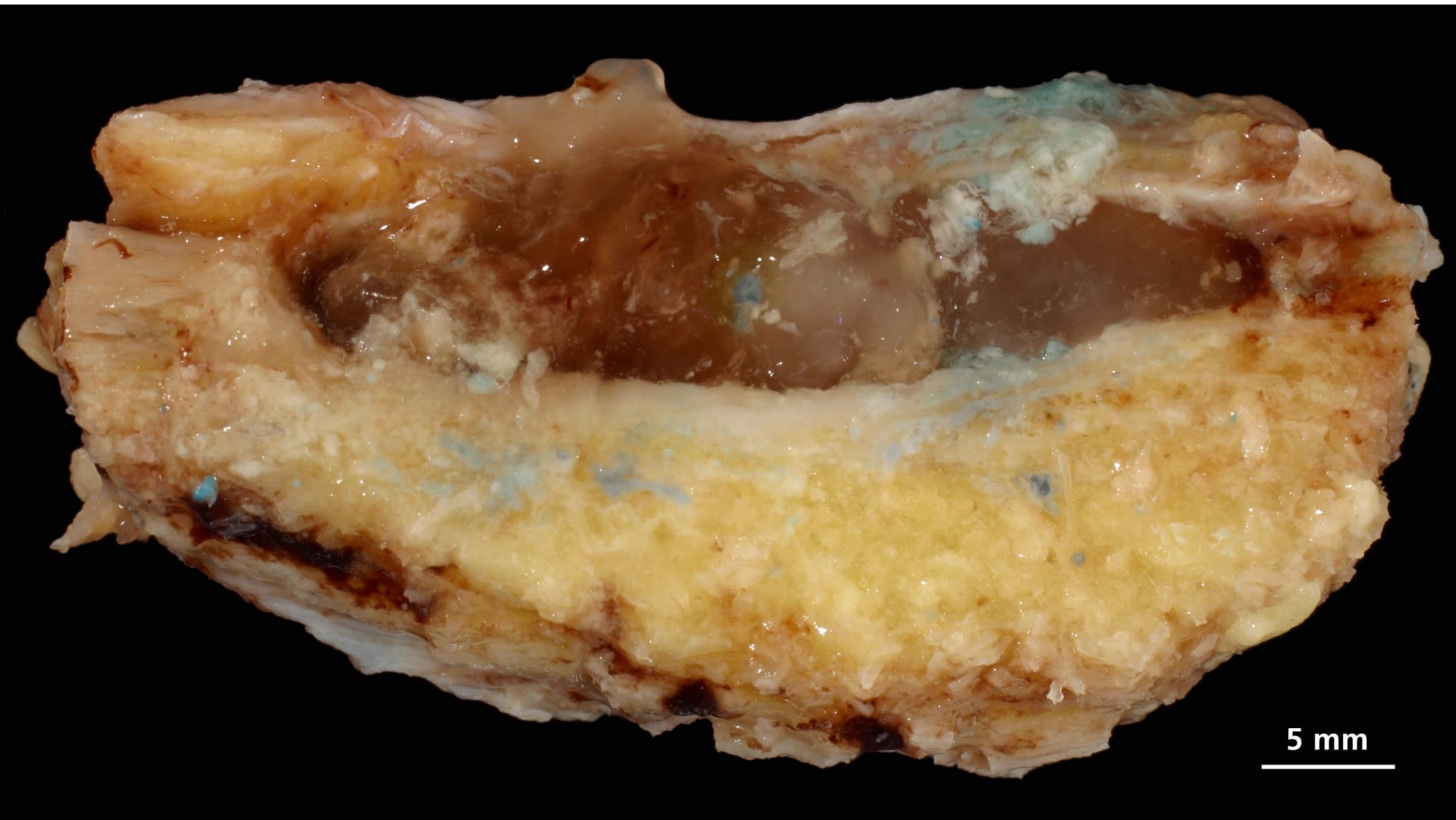


diaphyseal leg; complete; prosthesis

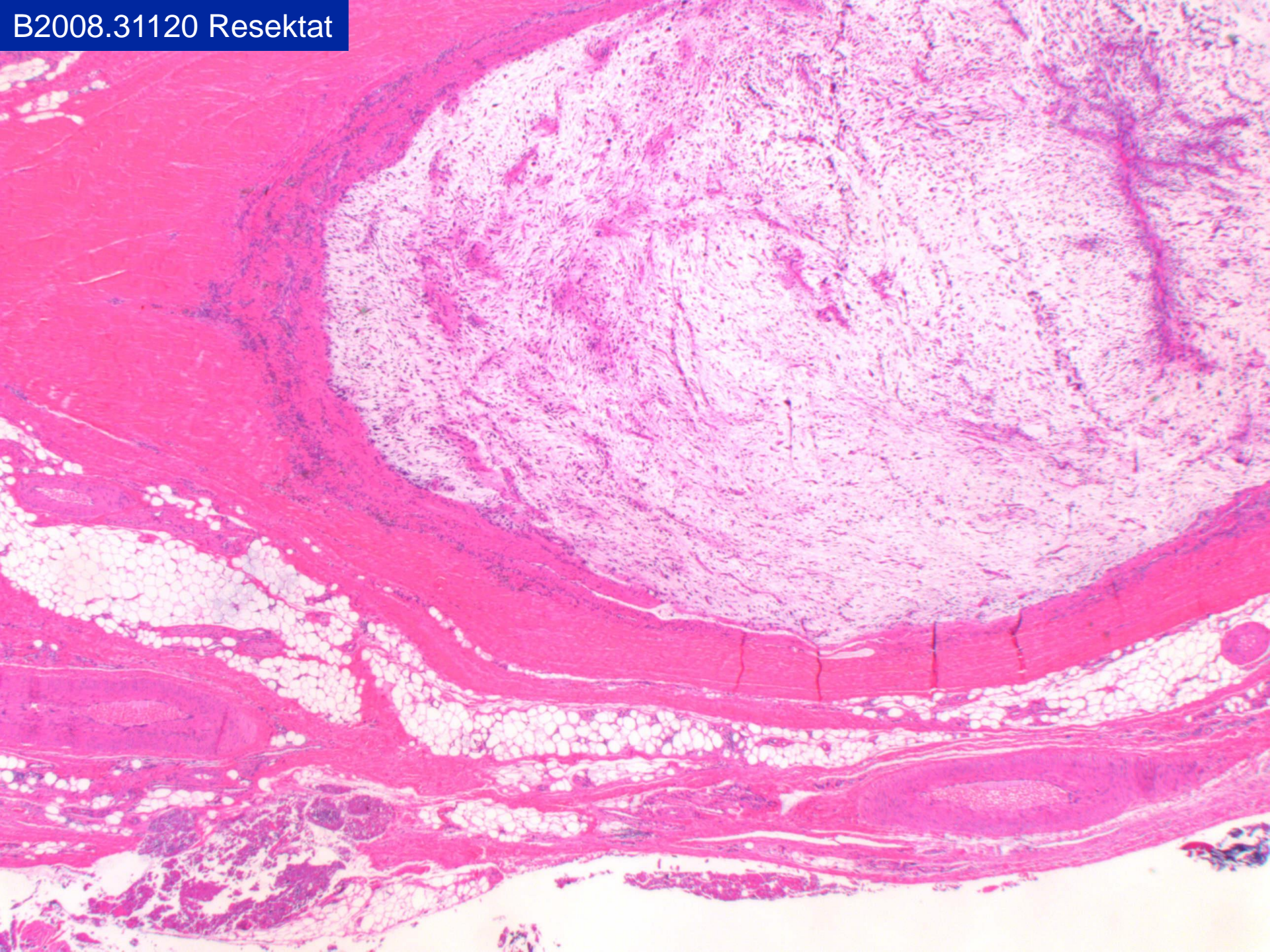


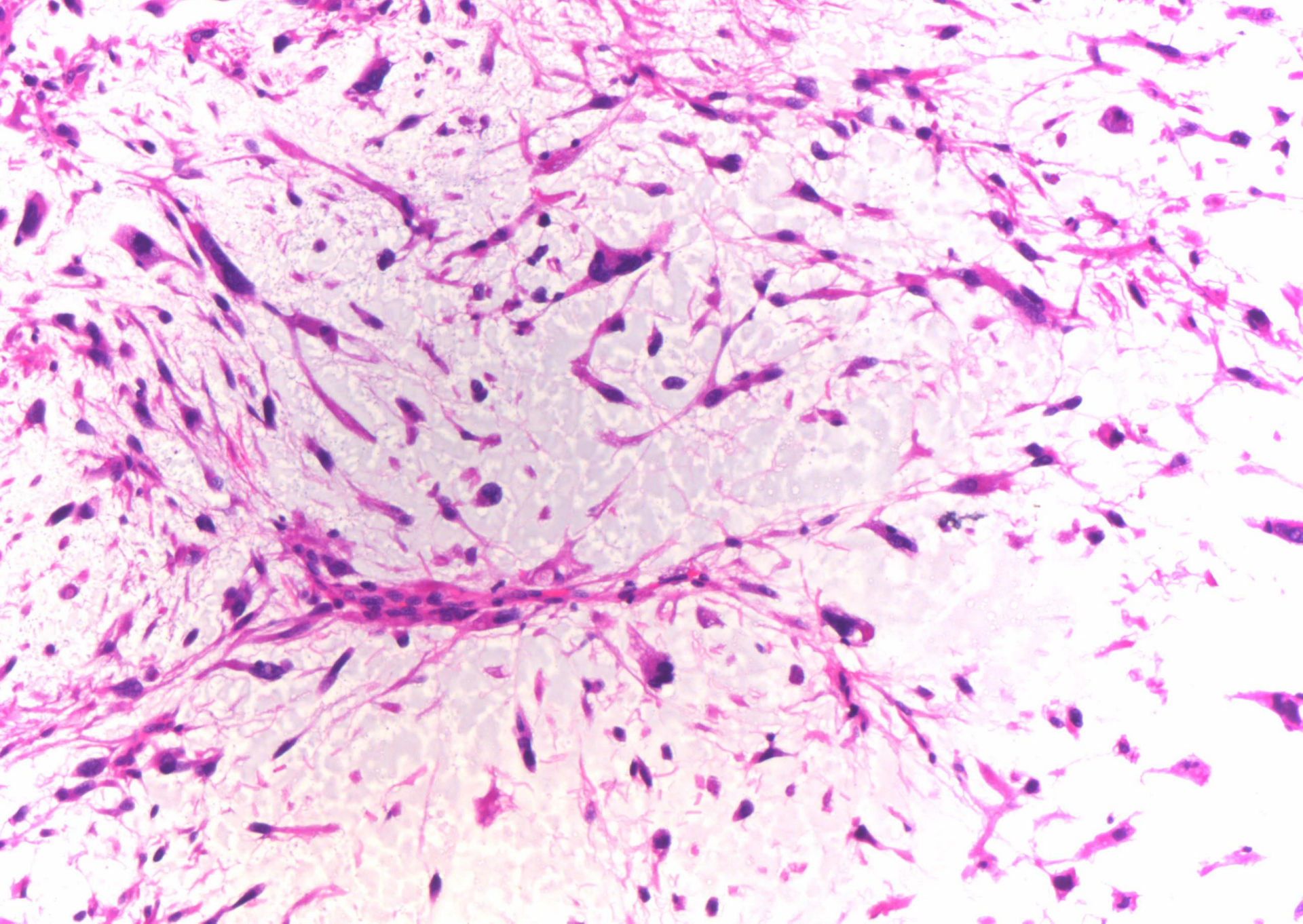
diaphyseal leg; complete; prosthesis

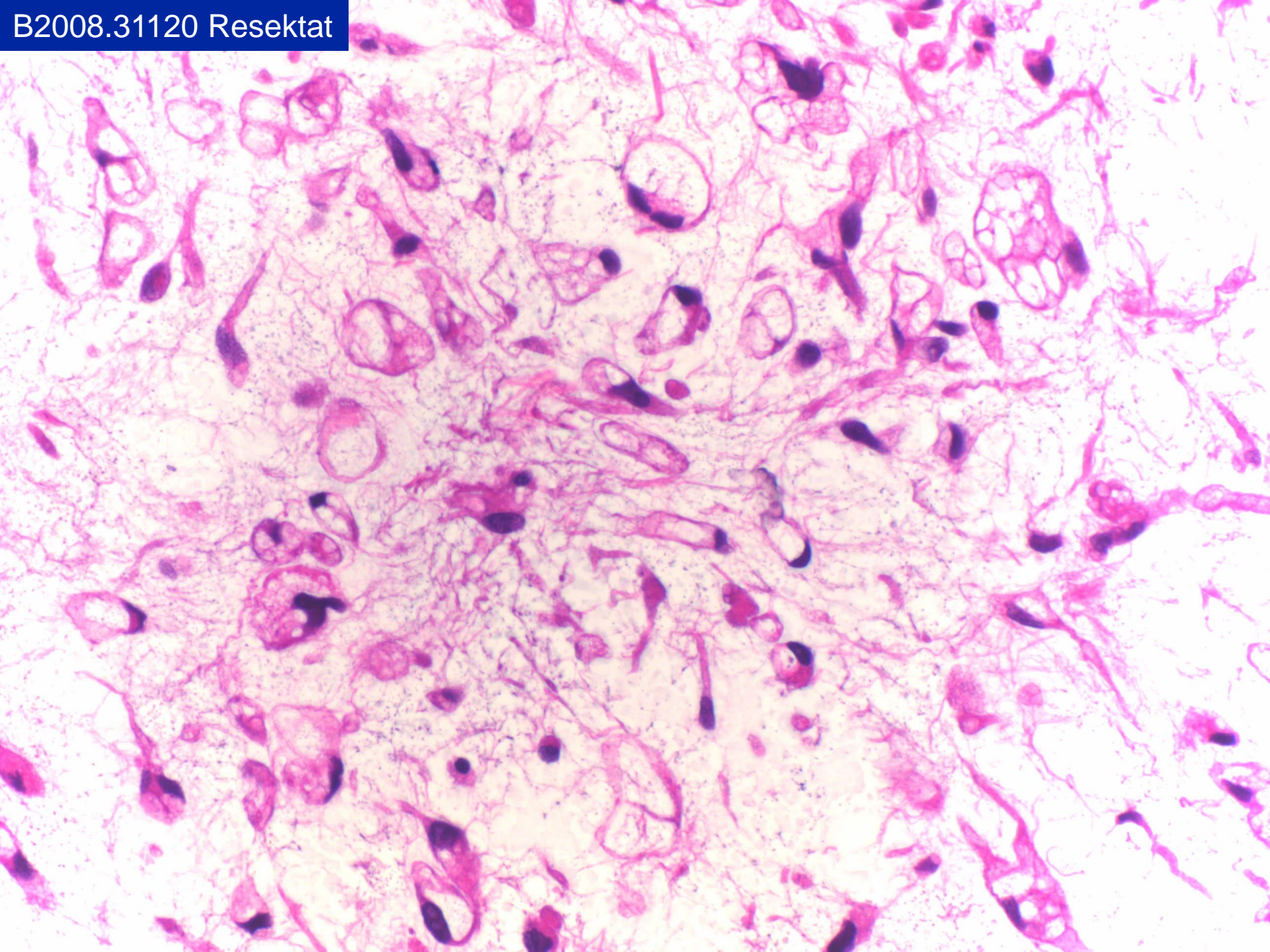
B2008.31120 Resektat

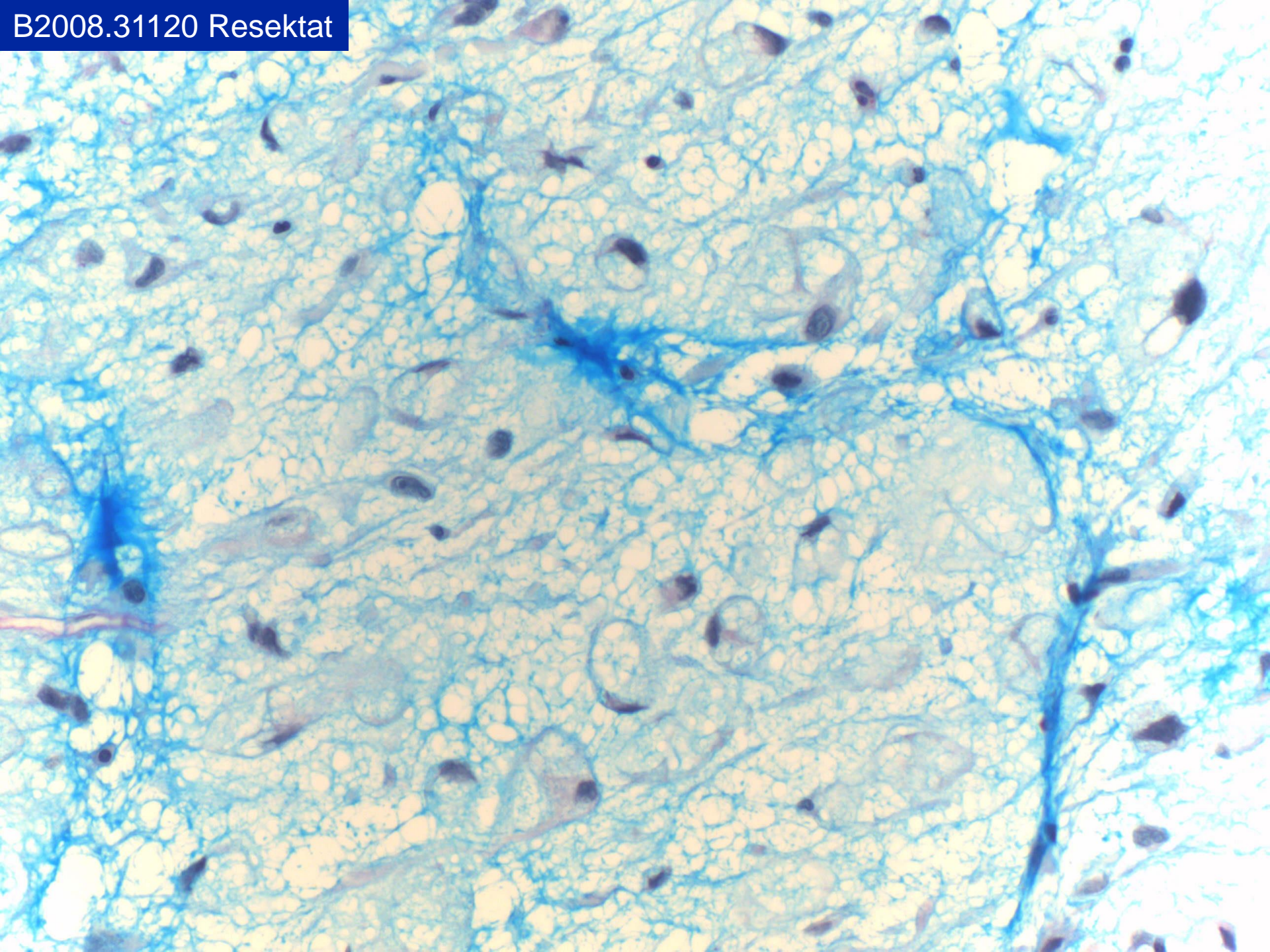


5 mm



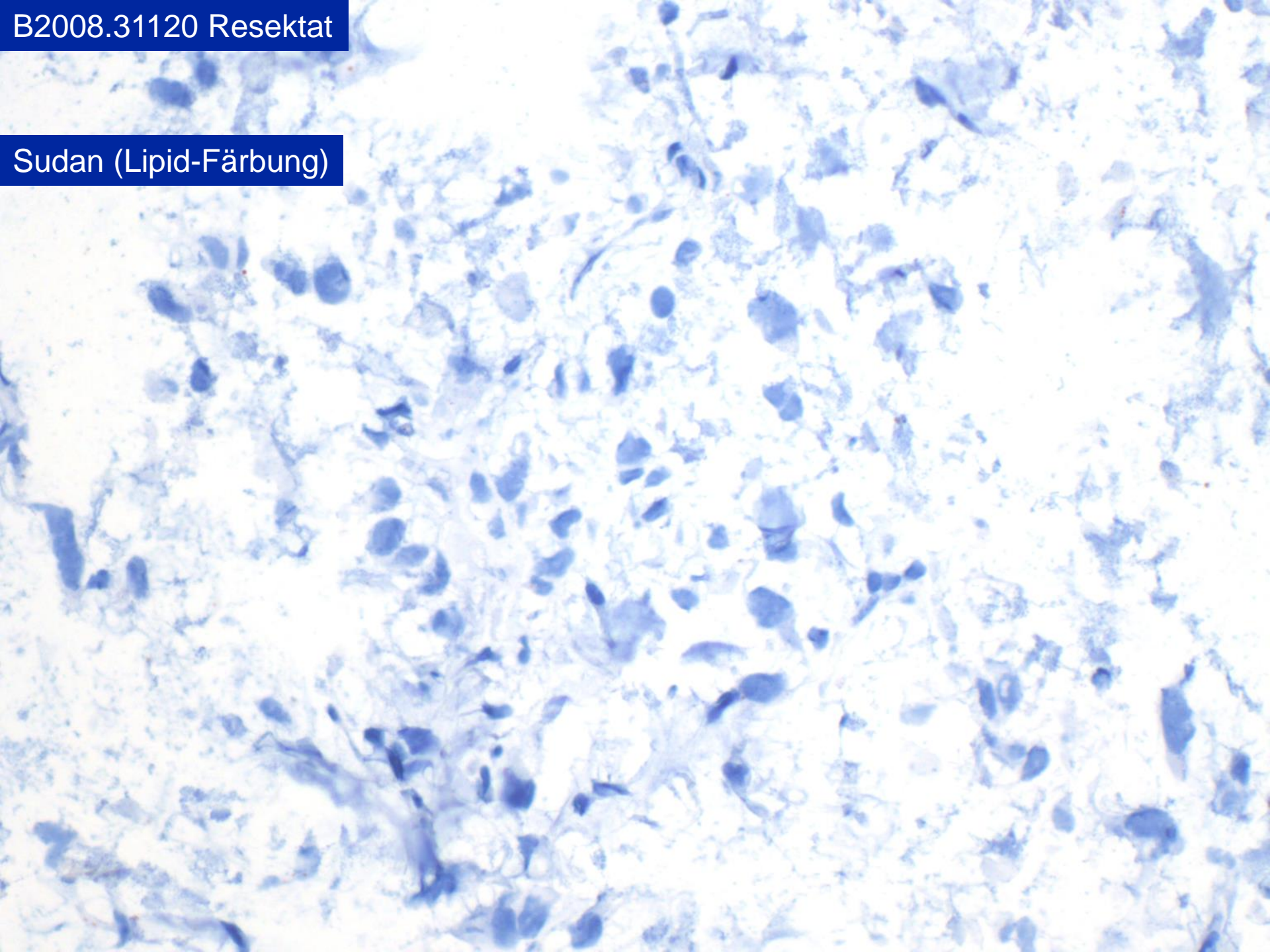


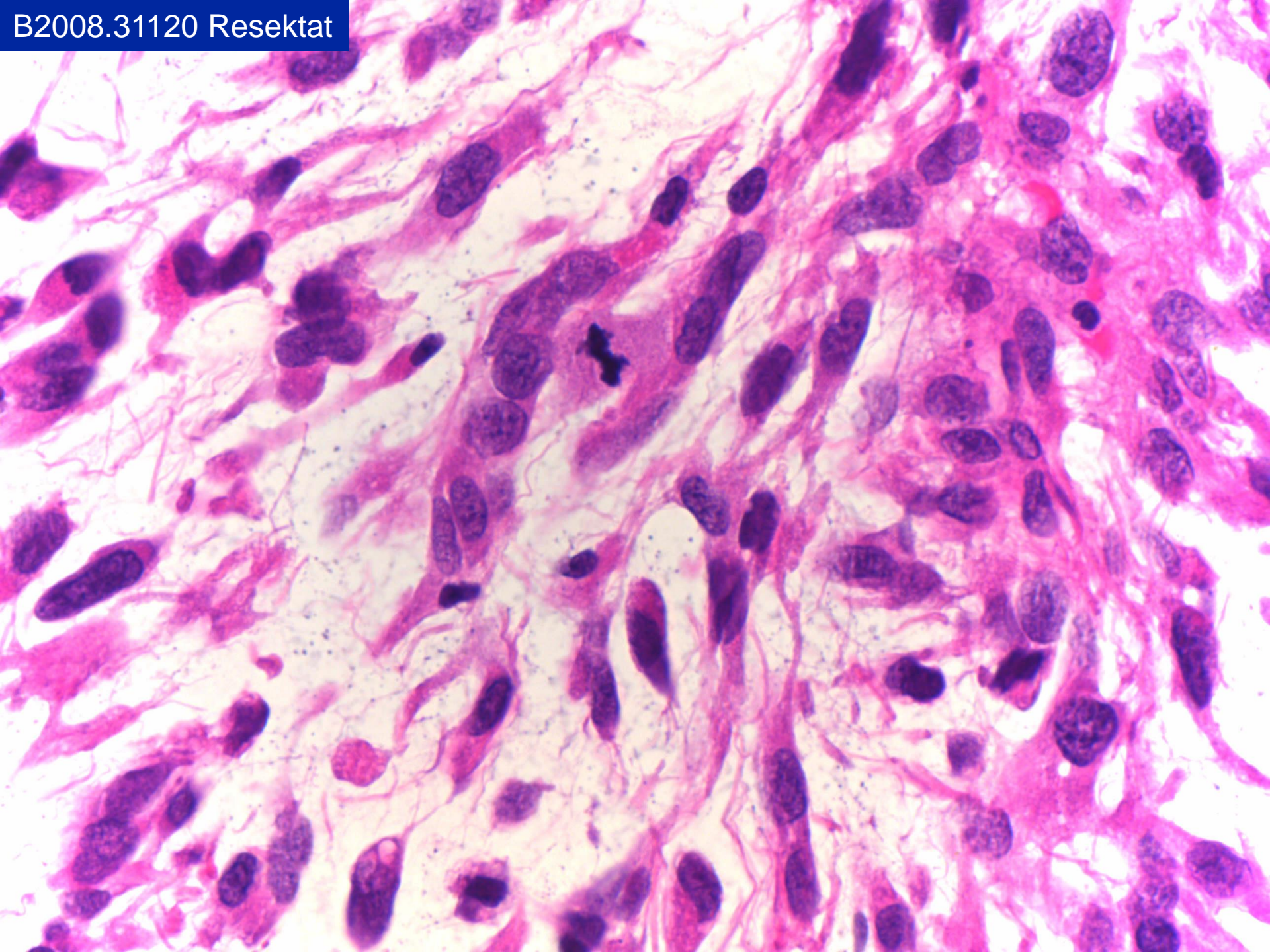


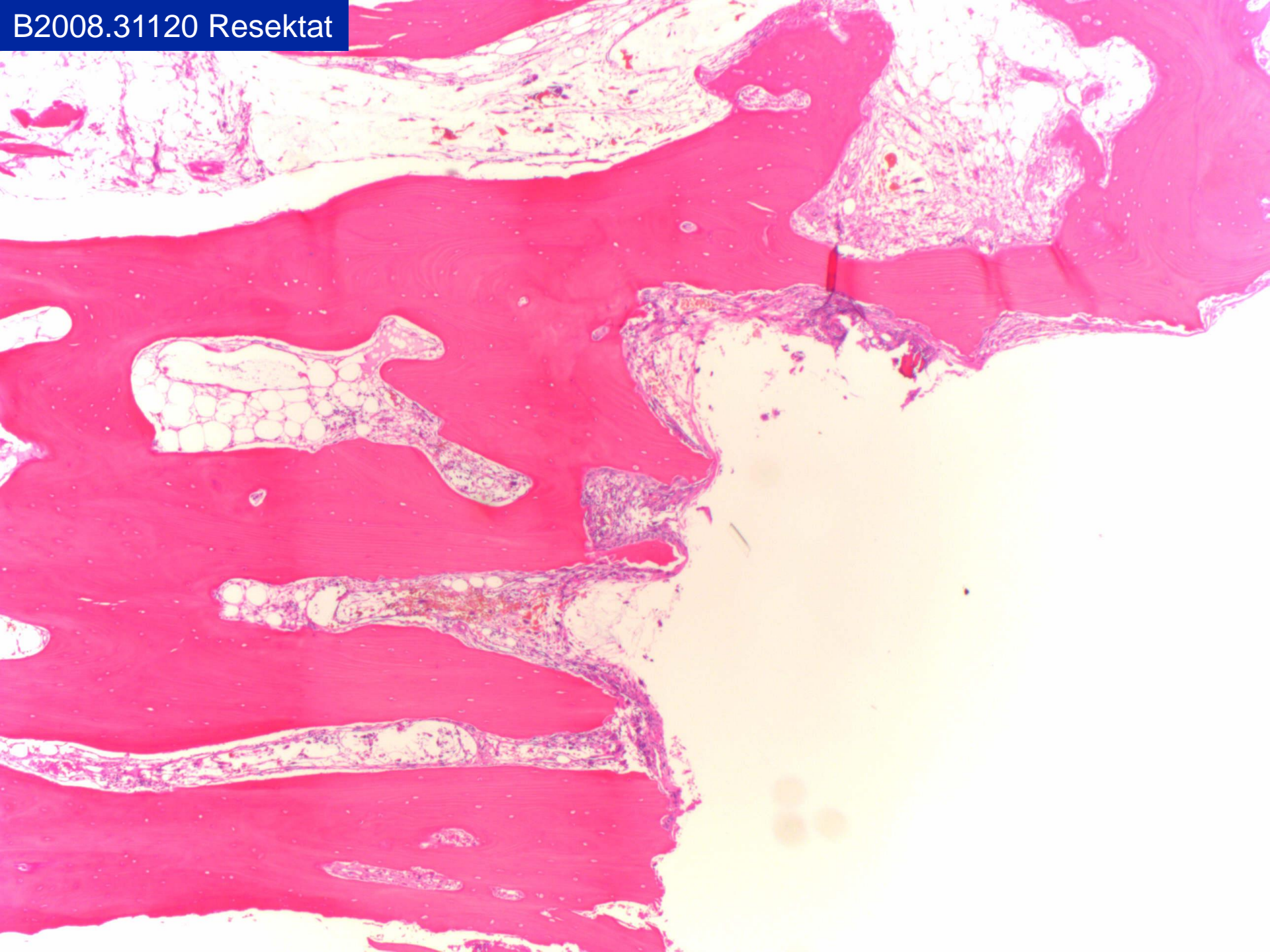


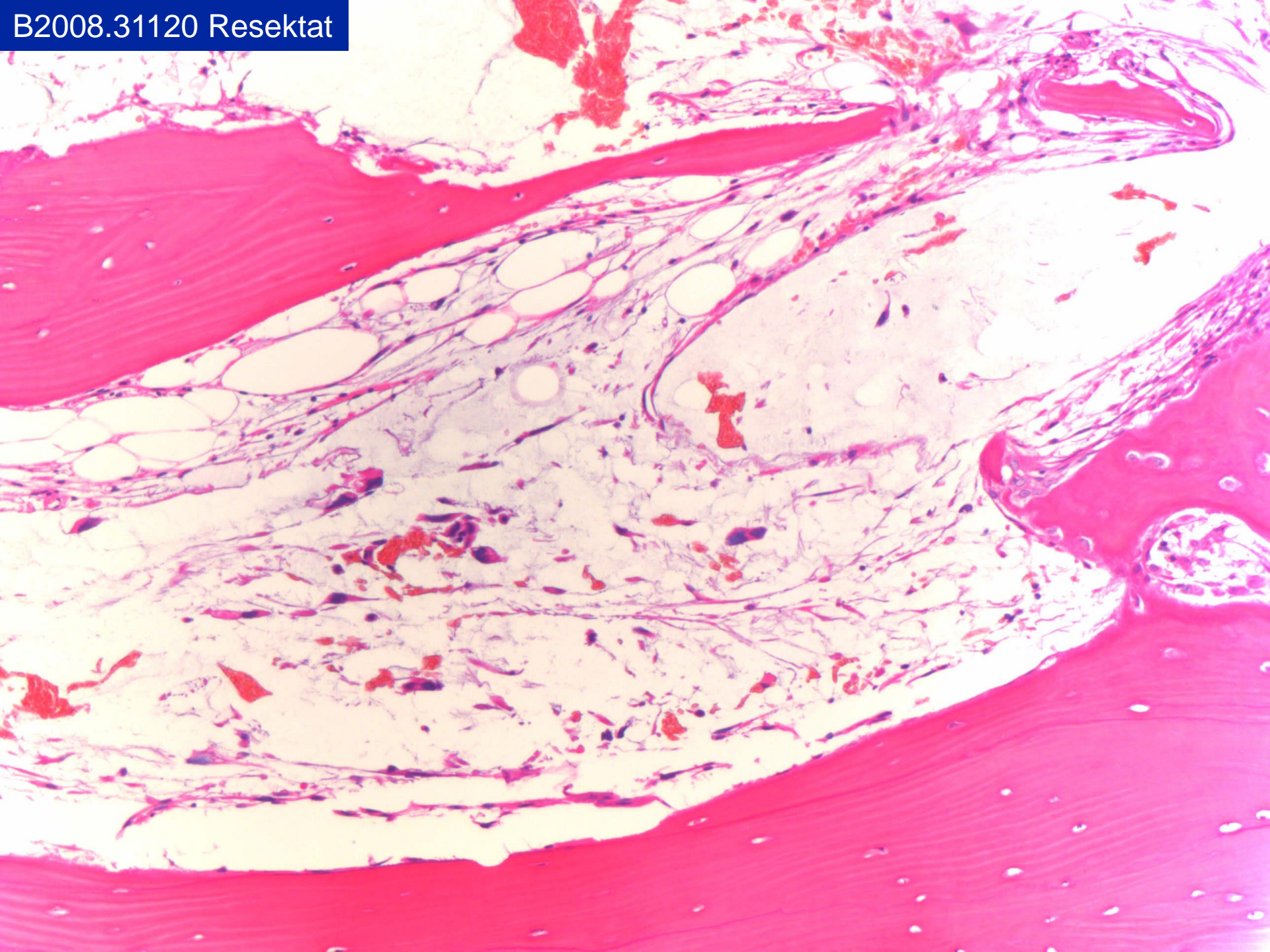
B2008.31120 Resektat

Sudan (Lipid-Färbung)









diaphyseal leg; complete; prosthesis

1999 → 2008

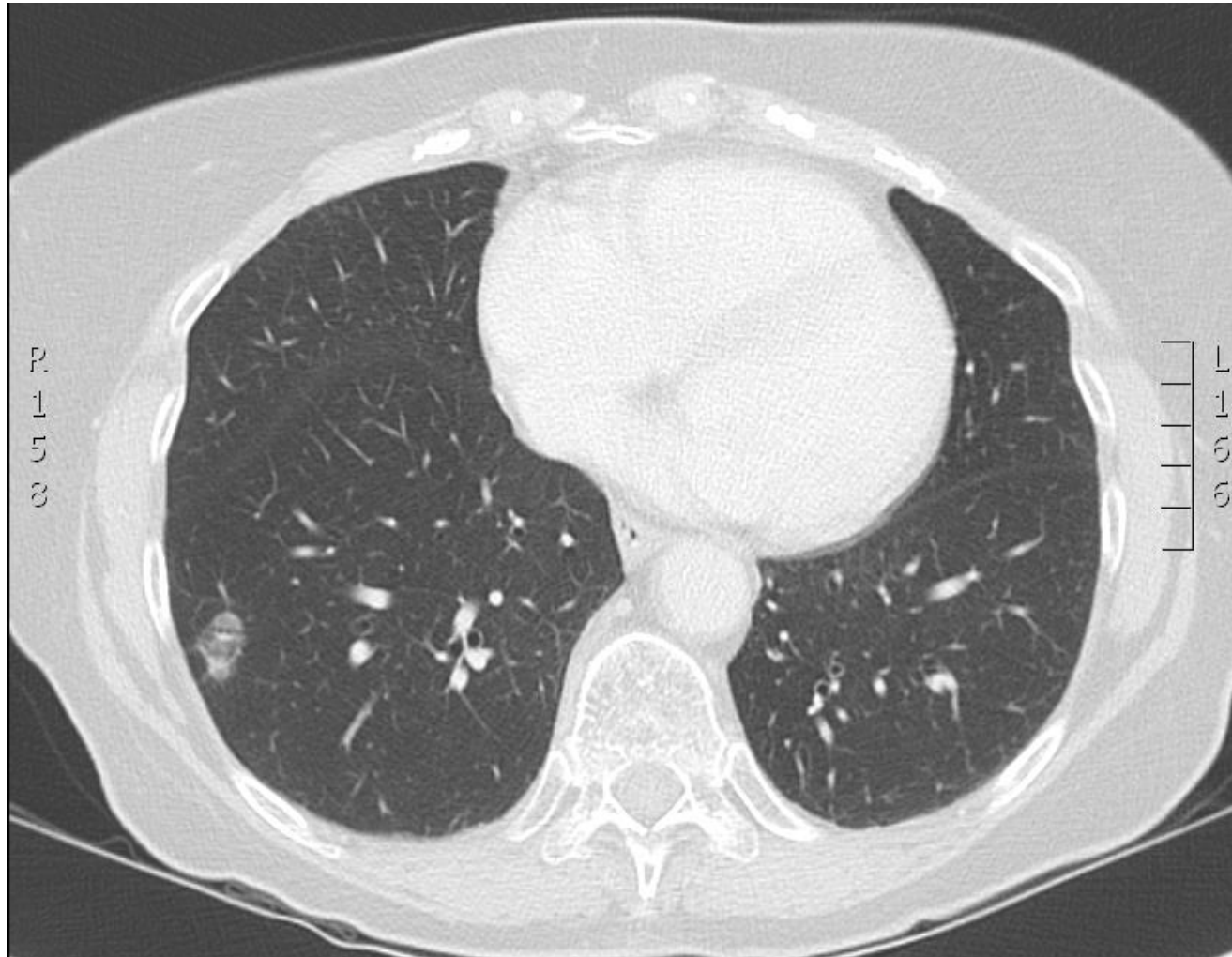
- the same tumor

Differential diagnosis

- **Myxofibrosarcoma, high grade**
- pleomorphic Liposarcoma,
Myxofibrosarcoma similar variant, but no evidence of lipoblasts
(sudan)
- (acral myxo-inflammatory sarcoma)

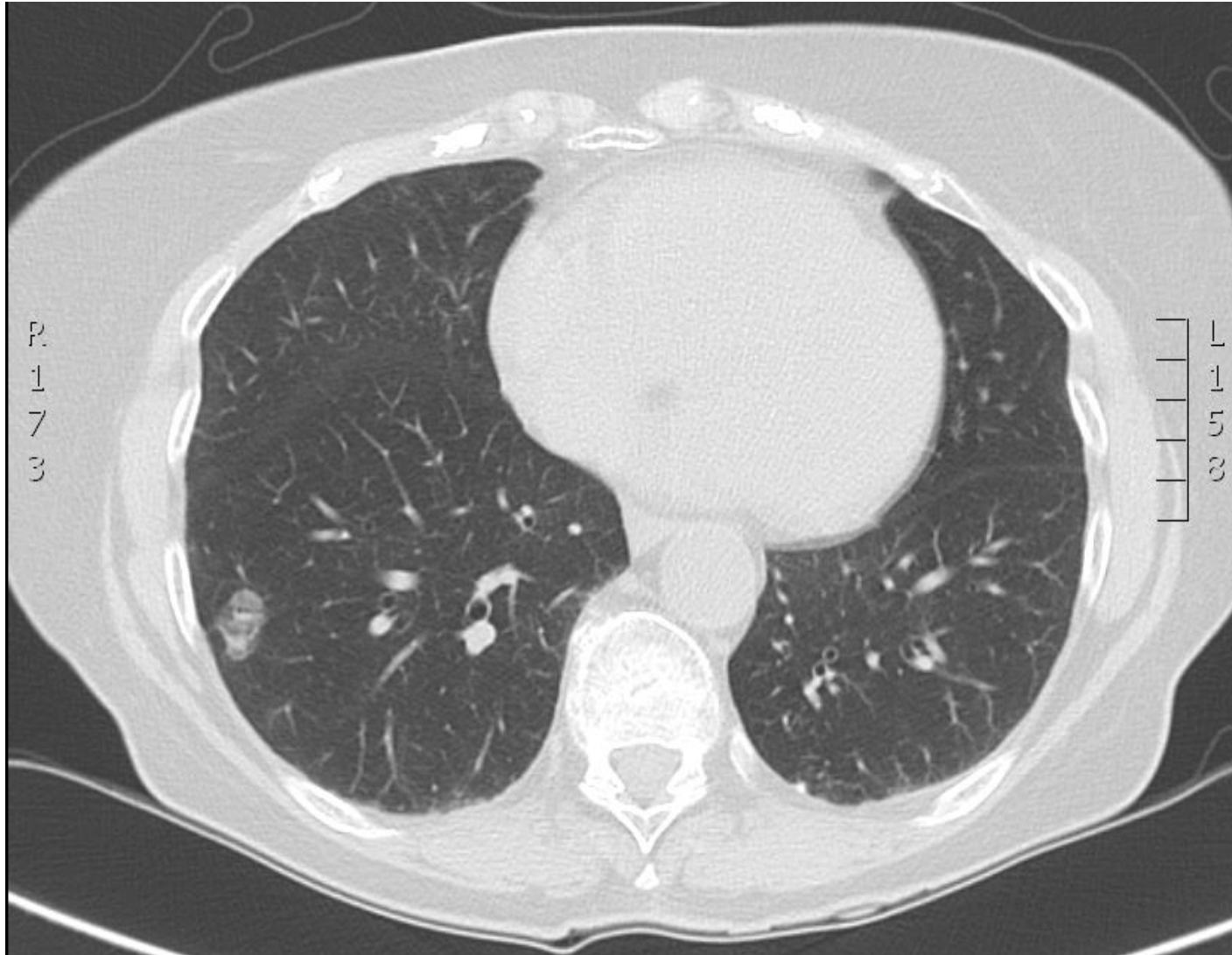
diaphyseal leg; complete; prosthesis

CT Thorax: Okt. 31. 2008



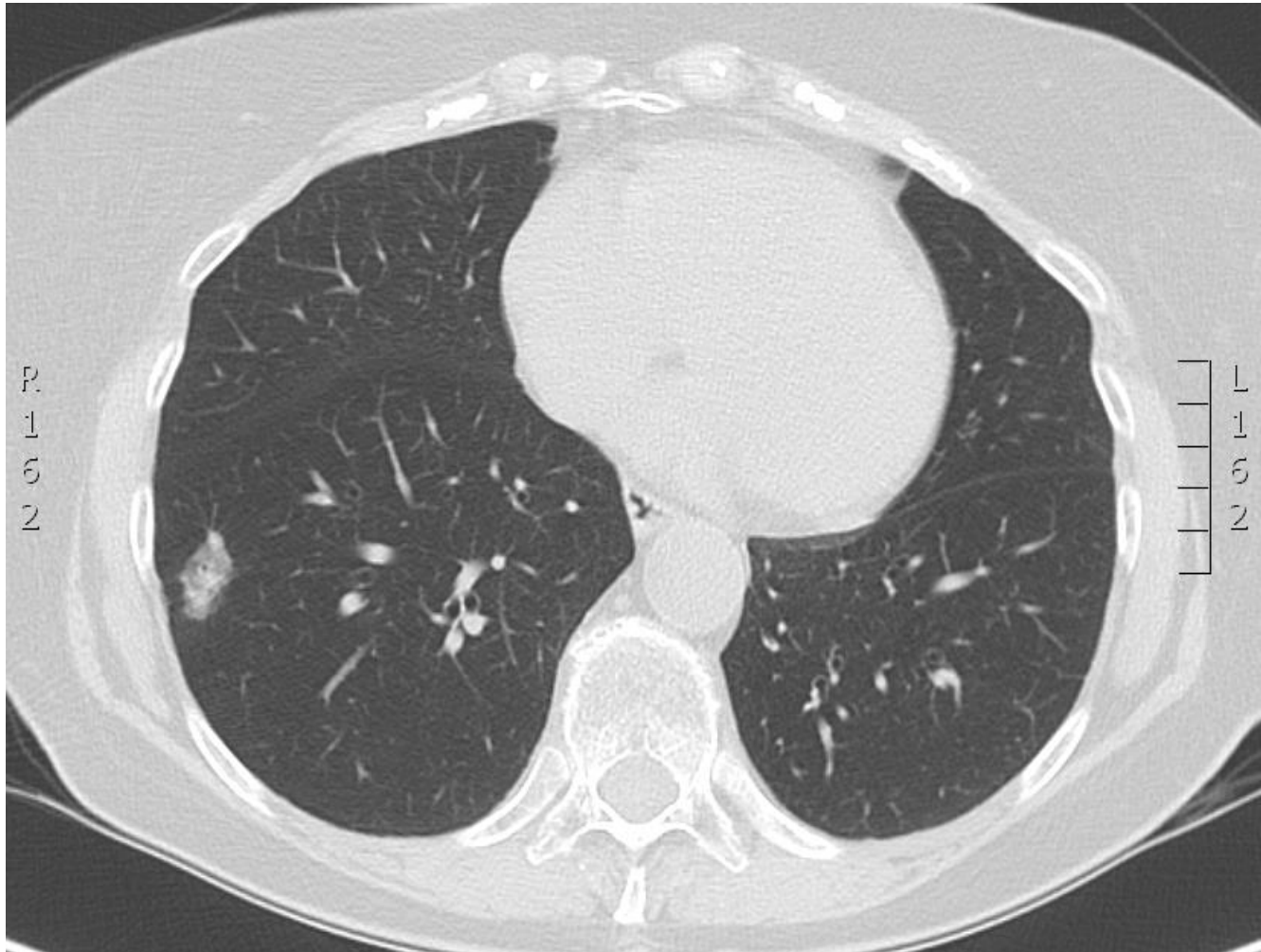
diaphyseal leg; complete; prosthesis

CT Thorax: Apr 29. 2009



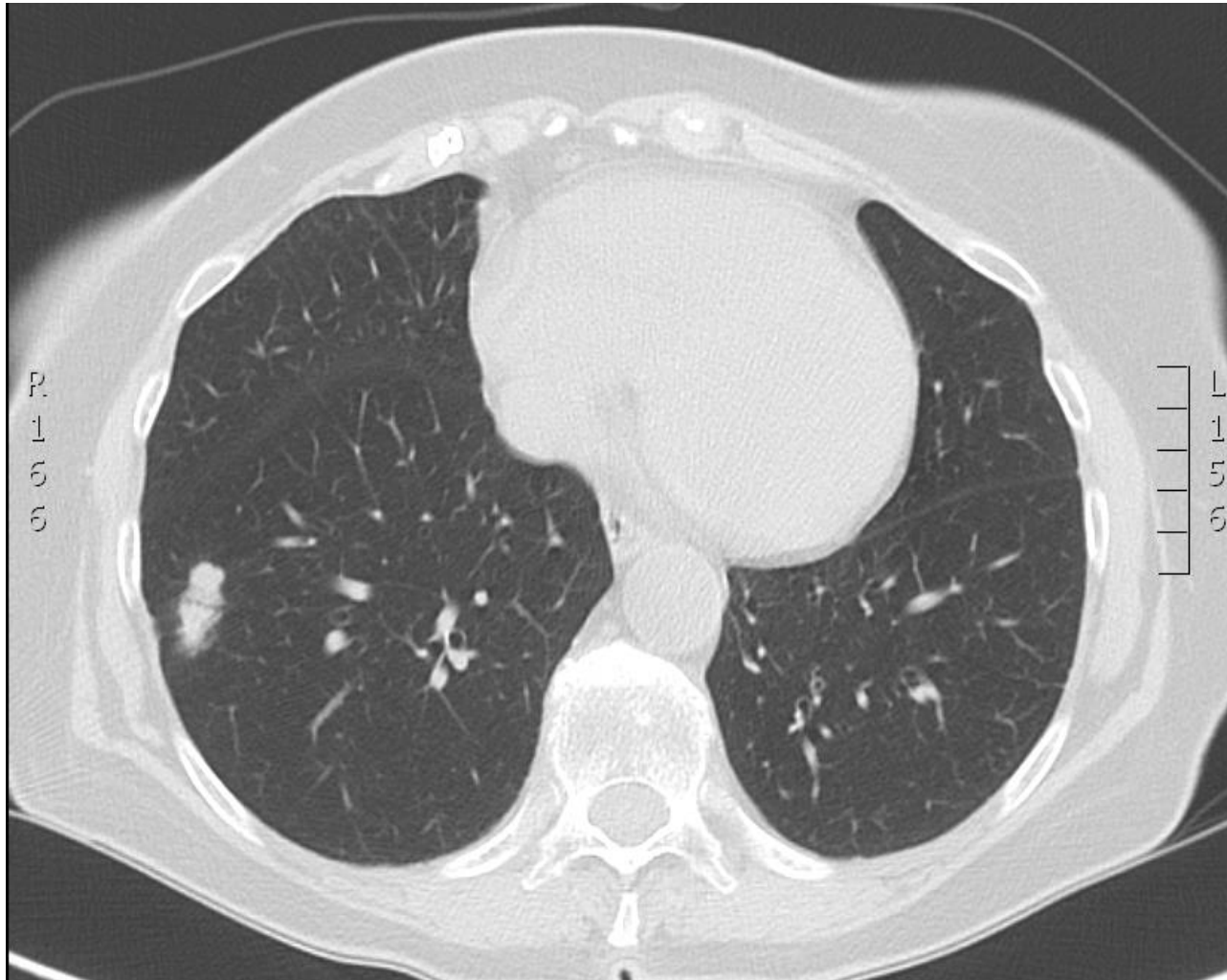
diaphyseal leg; complete; prosthesis

CT Thorax: May 5, 2010



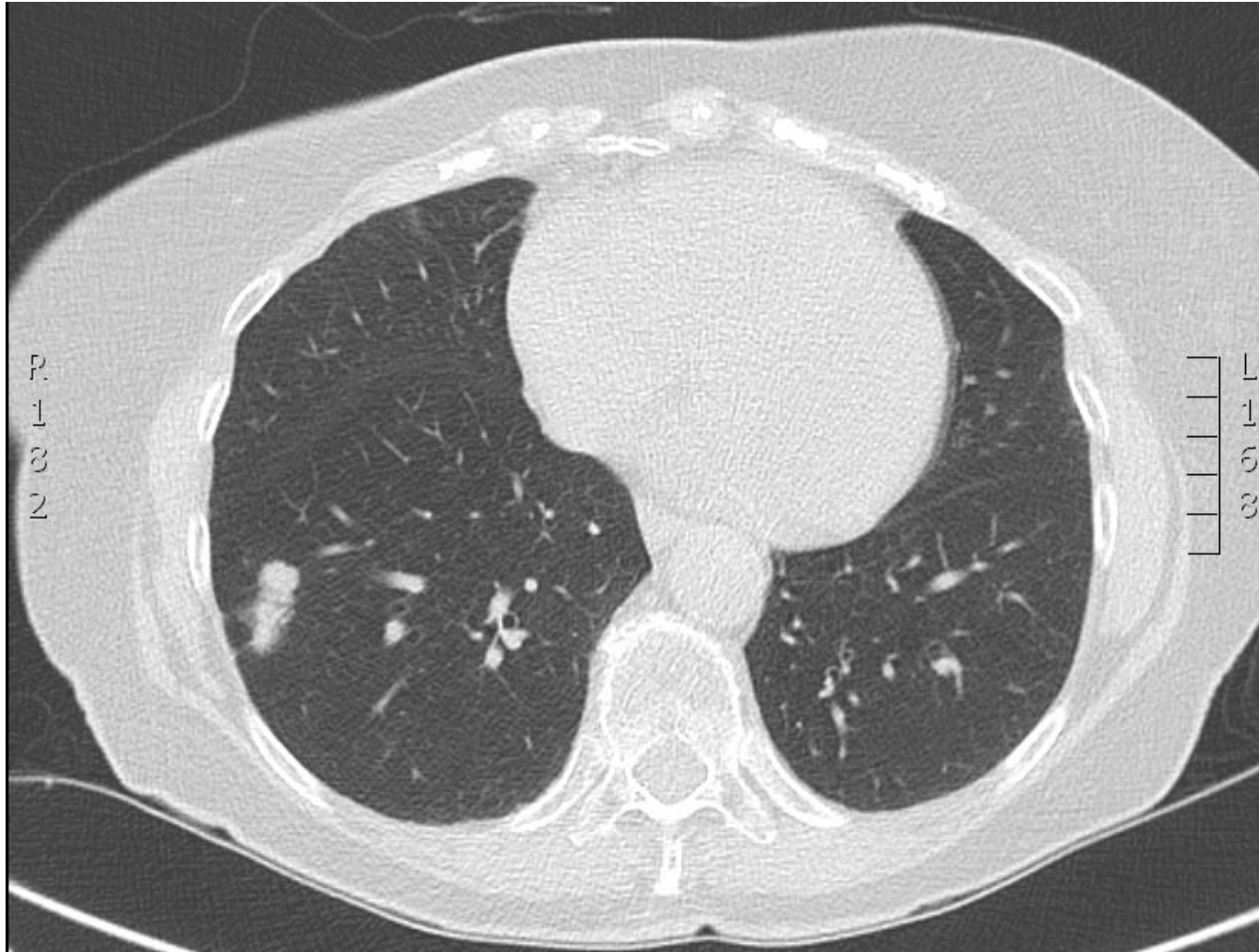
diaphyseal leg; complete; prosthesis

CT Thorax: Jul 27. 2011



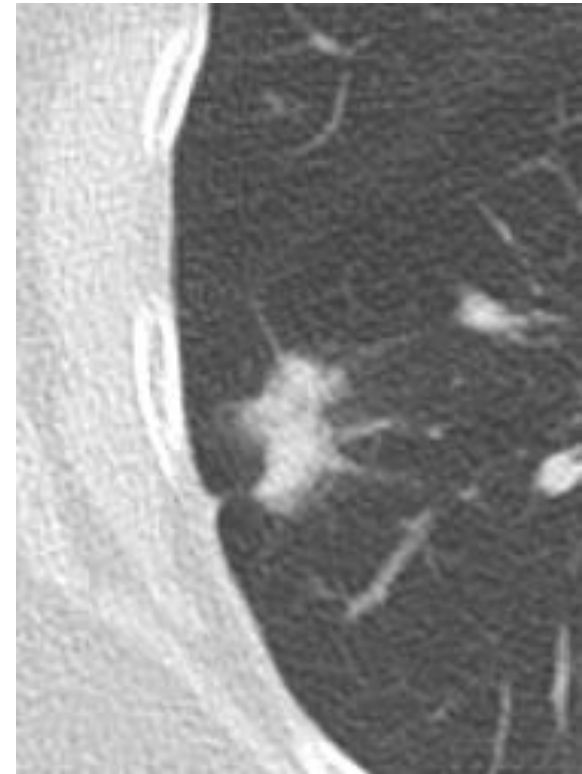
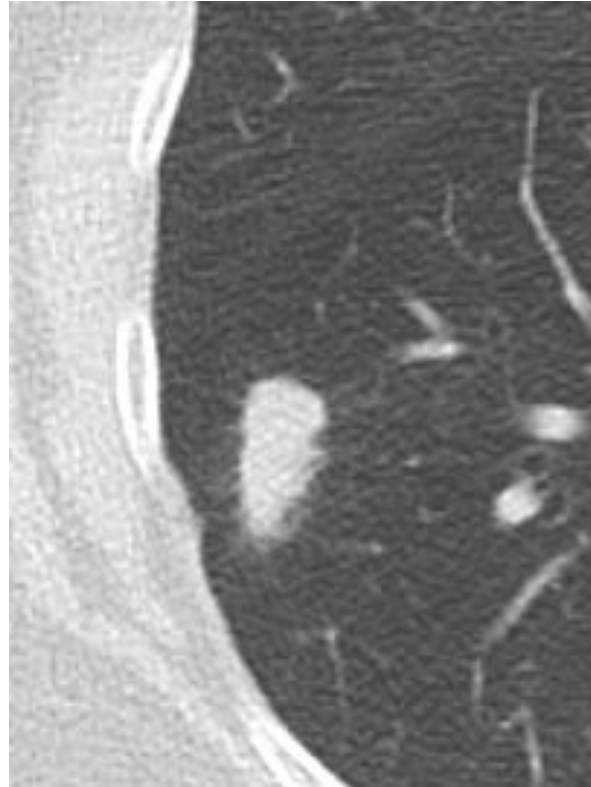
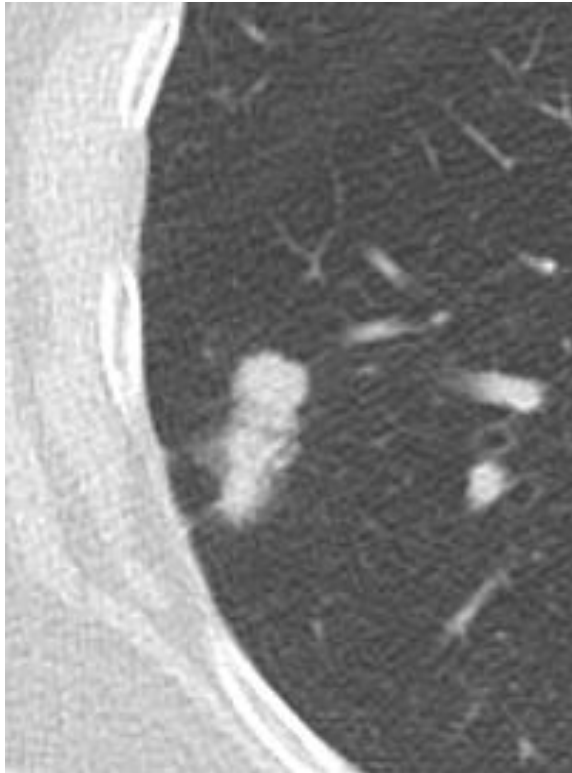
diaphyseal leg; complete; prosthesis

CT Thorax: Jan 25. 2012

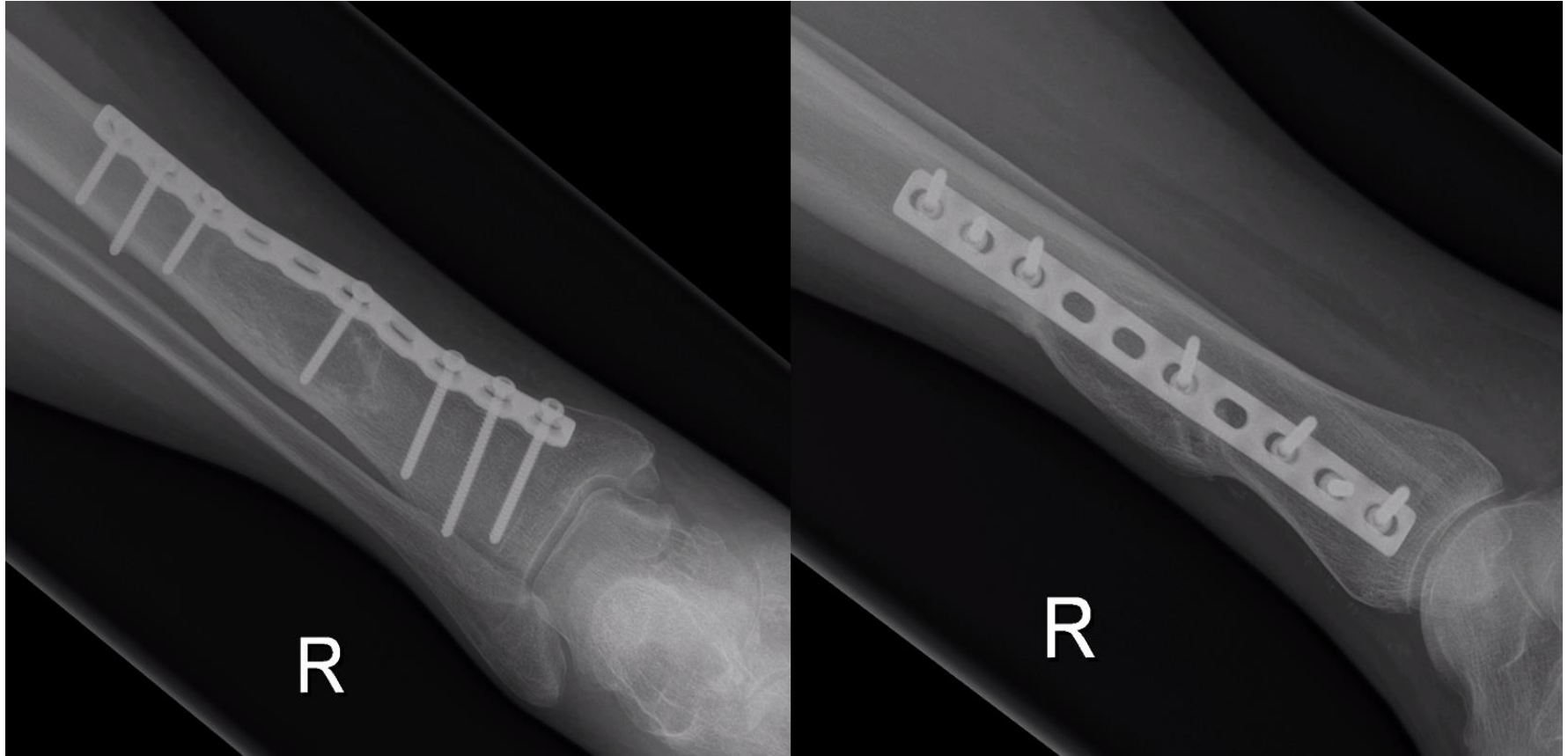


diaphyseal leg; complete; prosthesis

CT Thorax: Jan 25. 2012

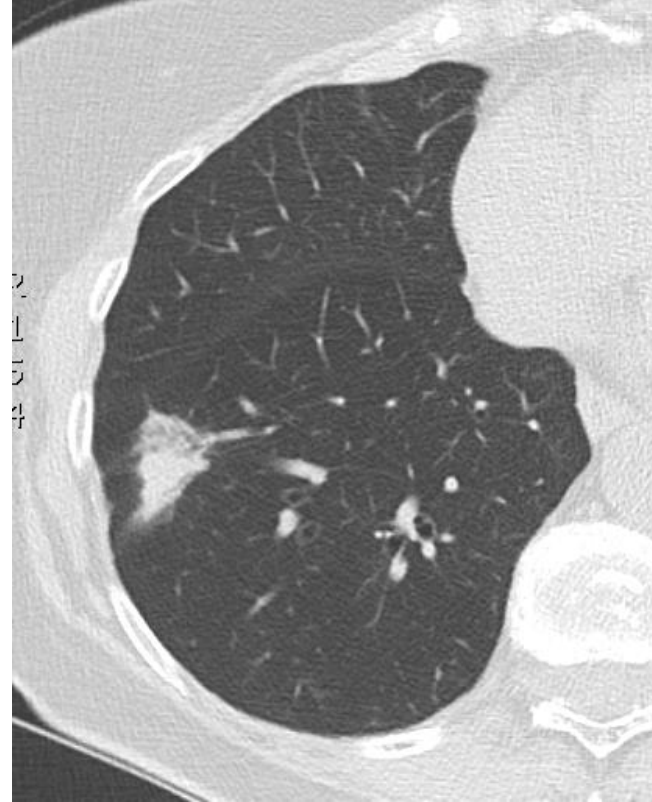
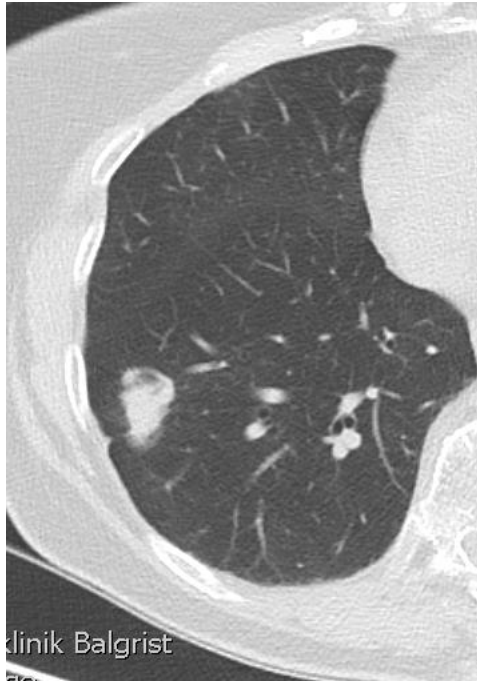


diaphyseal leg; complete; prosthesis x-ray: Jan 25. 2012



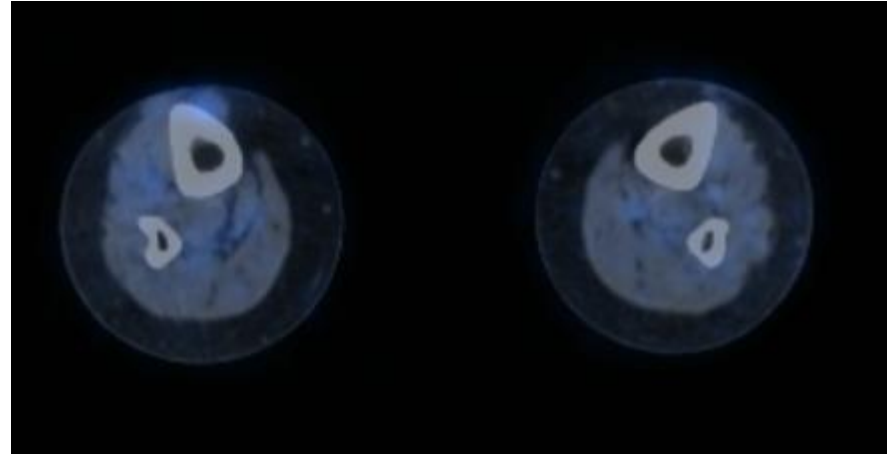
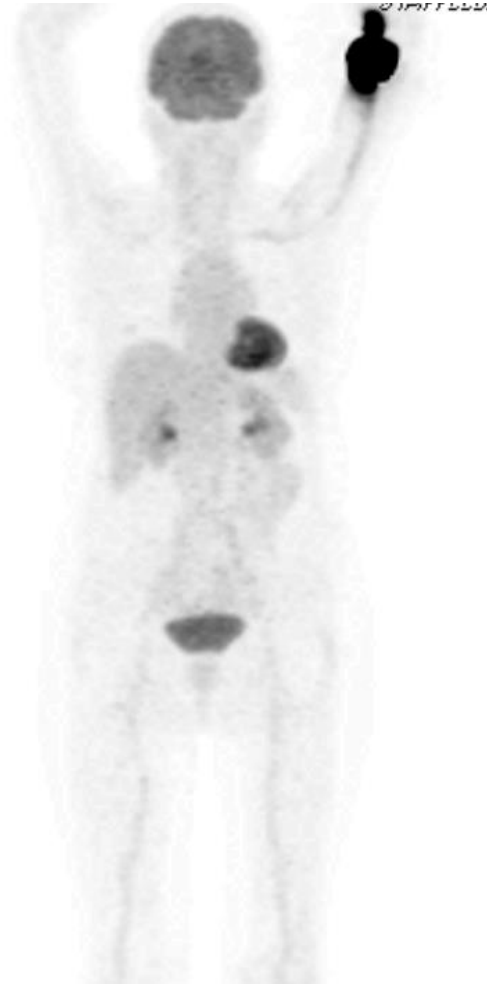
diaphyseal leg; complete; prosthesis

CT Thorax, January 23, 2013



>> progredient → thoracoscopic wedge resection

diaphyseal leg; complete; prosthesis PET-CT, March 4, 2013



>> no other pathological finding

diaphyseal leg; complete; prosthesis

Sarcomboard, April 11, 2013

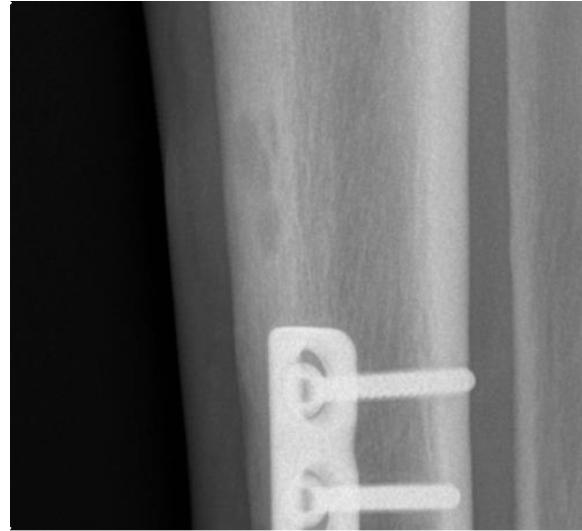
Pulmonal adeno-carcinoma, N0
(no infiltration of the pleura, vessels).

Radiotherapy: no

Chemotherapy: only of recurrence

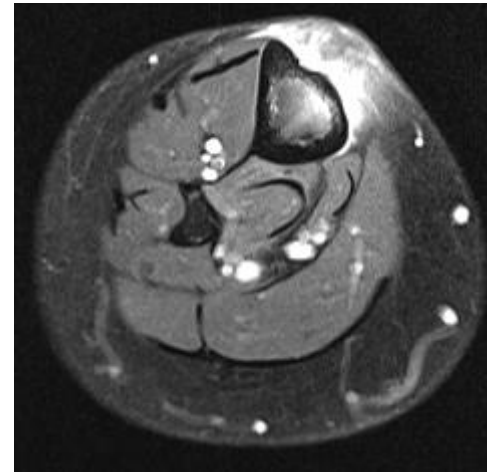
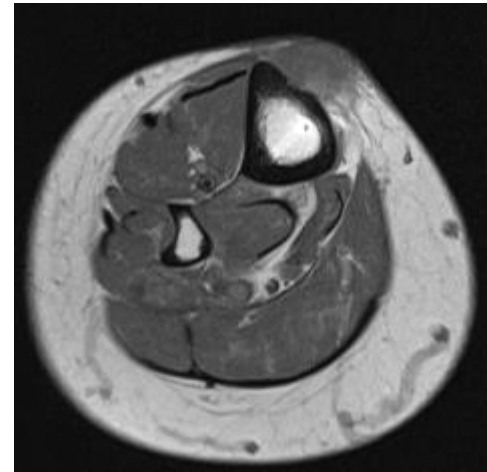
Surgery: no

diaphyseal leg; complete; prosthesis x-ray lower leg, July 4, 2013

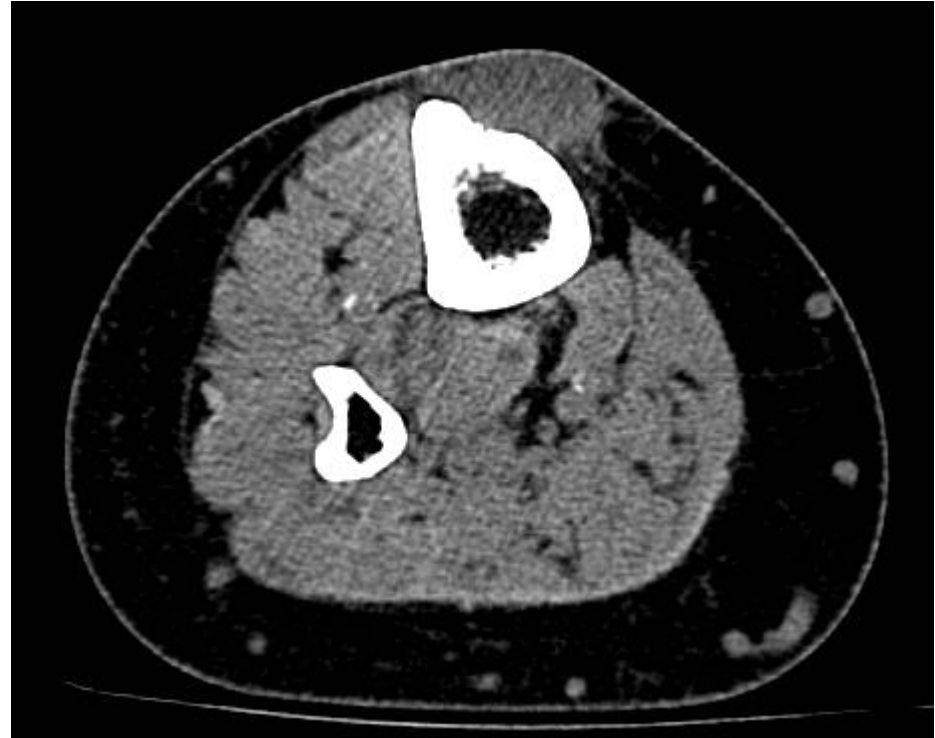


diaphyseal leg; complete; prosthesis

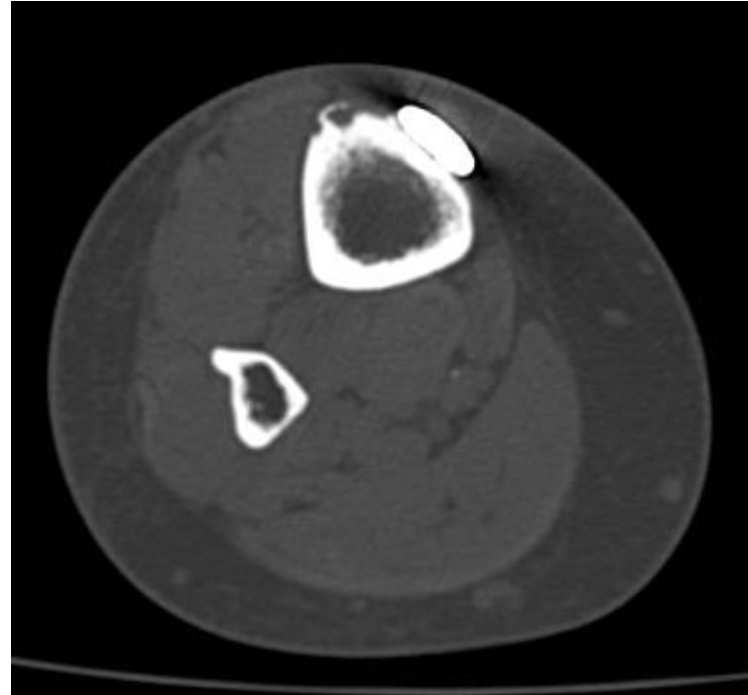
MRI lower leg, July 18, 2013



diaphyseal leg; complete; prosthesis CT lower leg, July 18, 2013



diaphyseal leg; complete; prosthesis CT lower leg, July 18, 2013



diaphyseal leg; complete; prosthesis Biopsy, July 19, 2013



diaphyseal leg; complete; prosthesis

Histology

Entnahme: 19.07.2013

Eingang: 19.07.2013

Ausgang: 23.07.2013 ganam

Proben-Nr.:

USZ-Patienten-Nr.

Patientenfall-Nr.

B 2013.38058

0000099953

Vorbefunde:

G 2013.264;B 2013.12233-12234;B 2013.12283-12284;B 2013.12288-12290;B 2008.31120;G 2008.523;B 2008.26975;B 1994.7205

Diagnose

**Stanzbiopsie (Tibia rechts) mit Anteilen des vordiagnostizierten Myxofibrosarkoms.
Keine high grade-Anteile im vorliegenden Material.**

Codierung

B 2013.38058: P11400 (Biopsie);T1X000; M88113

Klinische Angaben

Status nach high grade Myofibrosarkom v.a. Tibia rechts.
Maligne Zellen?

Angaben zur Probe

3x Gewebeentnahme mittels Spilotom-Gewinnung mehrerer fragmentierter, gallertiger Gewebestücke, Mitgabe der Plastik-Entnahmehilfe

Makroskopischer Befund

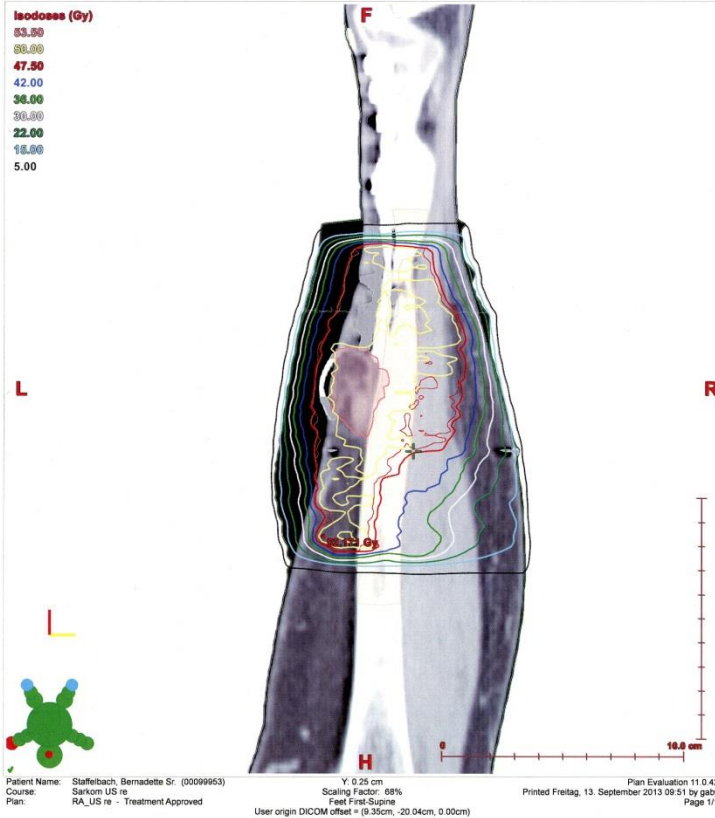
3 Gewebsfragmente, 1,2 cm, 0,7 cm und 1,2 cm lang, je 0,2 cm Durchmesser. Plastik-Entnahmeverrichtung mit wenig anhaftend Gewebefragmenten, beige, schleimig.
KHOV/sre

diaphyseal leg; complete; prosthesis Radiotherapy September 2013

Patient Name: Staffelbach, Bernadette Sr. (00099953, 93650) Course: Sarkom US re
 Hospital: UniversitätsSpital Zürich, Klinik für Radio-Onkologie Plan: RA_US re, RA_US re
 Plan last modified: Freitag, 23. August 2013 22:44 by Fviscript 10.0 PC4016 Image: 3DCI_2,8.13
 Plan normalization value: 101.3 %
 Calculation grid: 2.5 mm
 Maximum dose: 52.986 Gy
 Maximum dose in PTV1_Ph: 52.986 Gy
 Minimum dose in PTV1_Ph: 44.151 Gy
 Mean dose in PTV1_Ph: 50.000 Gy

WARNING: Hidden field and field accessory outlines not included in the printout!

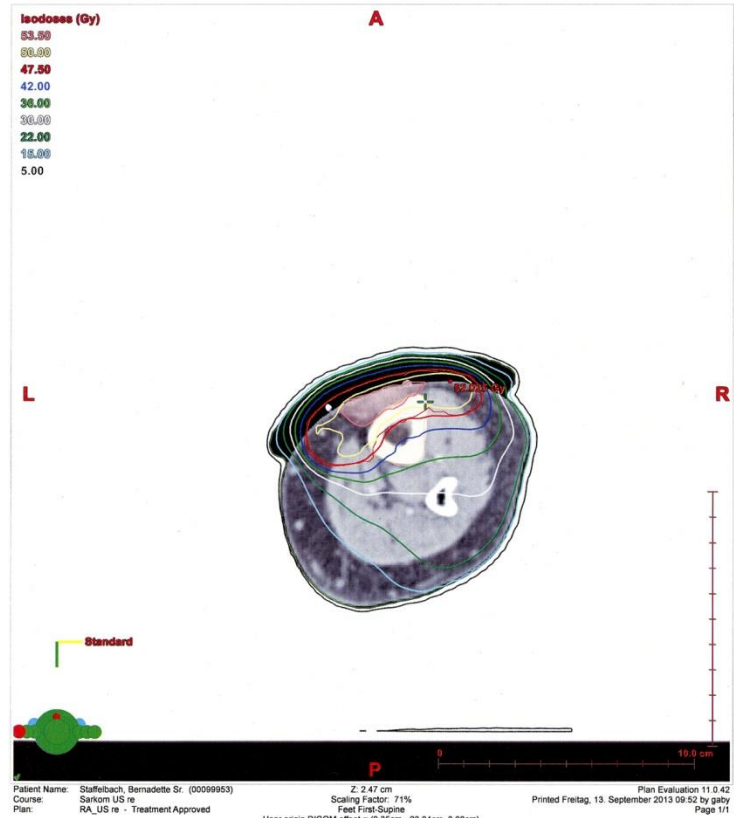
Field ID	Technique	Mechanism	Energy Scale	Wedge ID	Weight	CollX [cm]	CollY [cm]	CollZ [cm]	Gantry [deg]	CollRot [deg]	PatientSupp [deg]	X [cm]	Y [cm]	Z [cm]	SSD [cm]	MU
Setup_270	STATIC	TrueBeam1001BX	Varian IEC		0.000	+4.5 +2.3	+9.0 +10.0	270.0	0.0	0.0	-1.5 0.5 2.3	96.1	Setup field			
Setup_RA	STATIC	TrueBeam1001BX	Varian IEC		0.000	+3.9 +3.9	+9.0 +10.0	180.0	0.0	0.0	-1.5 0.5 2.3	92.5	Setup field			
Setup_Plab305	STATIC	TrueBeam1001BX	Varian IEC		0.000	+4.5 +4.5	+7.5 +7.3	305.0	0.0	0.0	-1.5 0.5 2.3	97.4	Setup field			
Setup_Plab30	STATIC	TrueBeam1001BX	Varian IEC		0.000	+3.9 +4.1	+7.5 +7.4	30.0	0.0	0.0	-1.5 0.5 2.3	97.3	Setup field			
CBC2	STATIC	TrueBeam1001BX	Varian IEC		0.000	+5.0 +5.0	+5.0 +5.0	0.0	0.0	0.0	-1.5 0.5 2.3	97.8	Setup field			
Setup_0	STATIC	TrueBeam1001BX	Varian IEC		0.000	+3.9 +4.1	+9.0 +10.0	0.0	0.0	0.0	-1.5 0.5 2.3	92.5	Setup field			
Setup_90	STATIC	TrueBeam1001BX	Varian IEC		0.000	+3.0 +4.9	+9.0 +10.0	90.0	0.0	0.0	-1.5 0.5 2.3	94.7	Setup field			
A1	ARC-I	TrueBeam1001BX	Varian IEC		0.831	+4.9 +4.2	+7.3 +7.3	179.9	260.0	350.0	0.0	-1.5 0.5 2.3	92.5	164.1		
B1	ARC-I	TrueBeam1001BX	Varian IEC		0.947	+4.2 +4.5	+7.4 +7.0	260.0	179.9	10.0	0.0	-1.5 0.5 2.3	95.5	196.9		



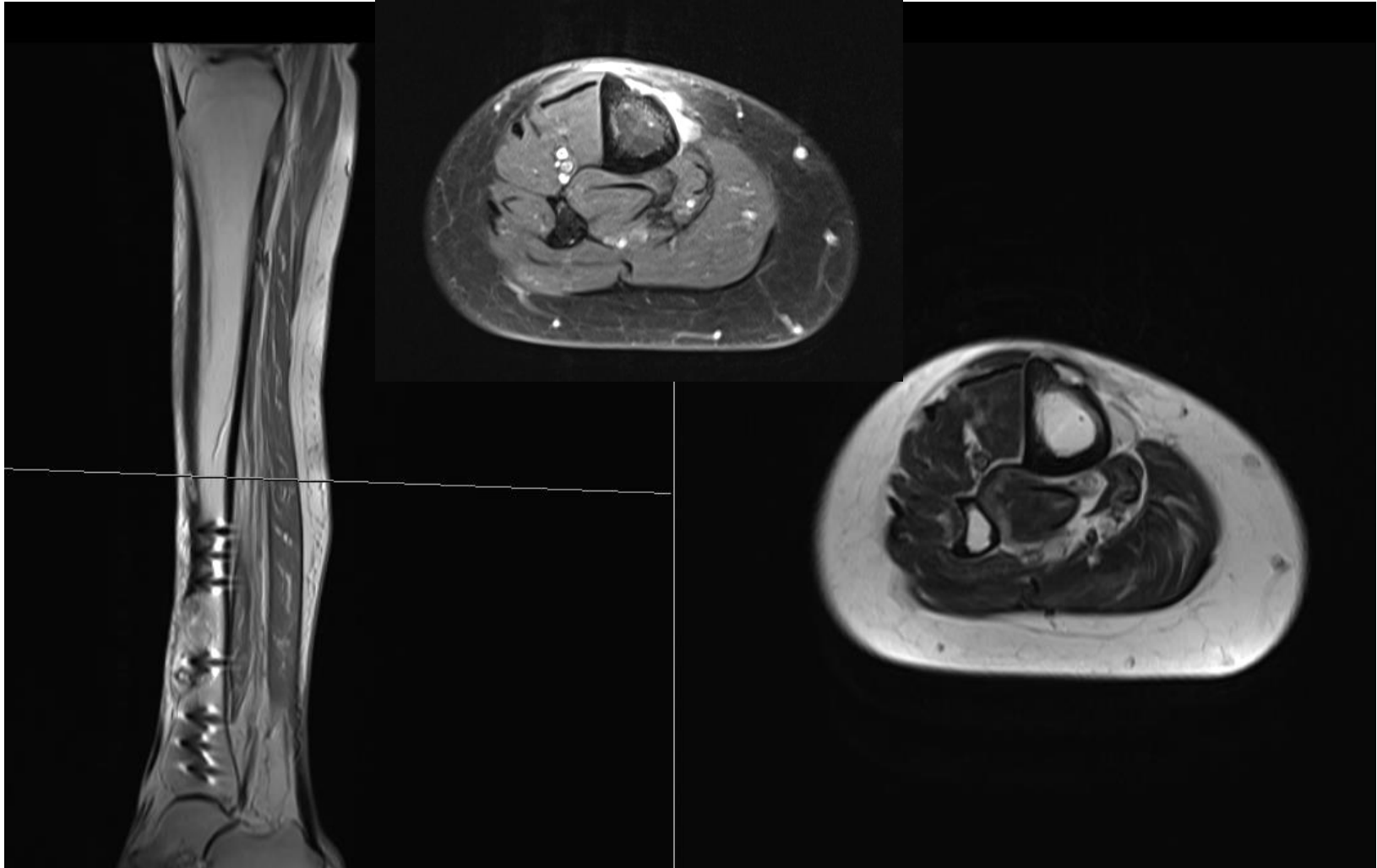
Patient Name: Staffelbach, Bernadette Sr. (00099953, 93650) Course: Sarkom US re
 Hospital: UniversitätsSpital Zürich, Klinik für Radio-Onkologie Plan: RA_US re, RA_US re
 Plan last modified: Freitag, 23. August 2013 22:44 by Fviscript 10.0 PC4016 Image: 3DCI_2,8.13
 Plan normalization value: 101.3 %
 Calculation grid: 2.5 mm
 Maximum dose: 52.986 Gy
 Maximum dose in PTV1_Ph: 52.986 Gy
 Minimum dose in PTV1_Ph: 44.151 Gy
 Mean dose in PTV1_Ph: 50.000 Gy

WARNING: Hidden field and field accessory outlines not included in the printout!

Field ID	Technique	Mechanism	Energy Scale	Wedge ID	Weight	CollX [cm]	CollY [cm]	CollZ [cm]	Gantry [deg]	CollRot [deg]	PatientSupp [deg]	X [cm]	Y [cm]	Z [cm]	SSD [cm]	MU
Setup_270	STATIC	TrueBeam1001BX	Varian IEC		0.000	+4.5 +2.3	+9.0 +10.0	270.0	0.0	0.0	-1.5 0.5 2.3	96.1	Setup field			
Setup_RA	STATIC	TrueBeam1001BX	Varian IEC		0.000	+3.9 +3.9	+9.0 +10.0	180.0	0.0	0.0	-1.5 0.5 2.3	92.5	Setup field			
Setup_Plab305	STATIC	TrueBeam1001BX	Varian IEC		0.000	+4.5 +4.5	+7.5 +7.3	305.0	0.0	0.0	-1.5 0.5 2.3	97.4	Setup field			
Setup_Plab30	STATIC	TrueBeam1001BX	Varian IEC		0.000	+3.9 +4.1	+7.5 +7.4	30.0	0.0	0.0	-1.5 0.5 2.3	97.3	Setup field			
CBC2	STATIC	TrueBeam1001BX	Varian IEC		0.000	+5.0 +5.0	+5.0 +5.0	0.0	0.0	0.0	-1.5 0.5 2.3	97.8	Setup field			
Setup_0	STATIC	TrueBeam1001BX	Varian IEC		0.000	+3.9 +4.1	+9.0 +10.0	0.0	0.0	0.0	-1.5 0.5 2.3	92.5	Setup field			
Setup_90	STATIC	TrueBeam1001BX	Varian IEC		0.000	+3.0 +4.9	+9.0 +10.0	90.0	0.0	0.0	-1.5 0.5 2.3	94.7	Setup field			
A1	ARC-I	TrueBeam1001BX	Varian IEC		0.831	+4.9 +4.2	+7.3 +7.3	179.9	260.0	350.0	0.0	-1.5 0.5 2.3	92.5	164.1		
B1	ARC-I	TrueBeam1001BX	Varian IEC		0.947	+4.2 +4.5	+7.4 +7.0	260.0	179.9	10.0	0.0	-1.5 0.5 2.3	95.5	196.9		



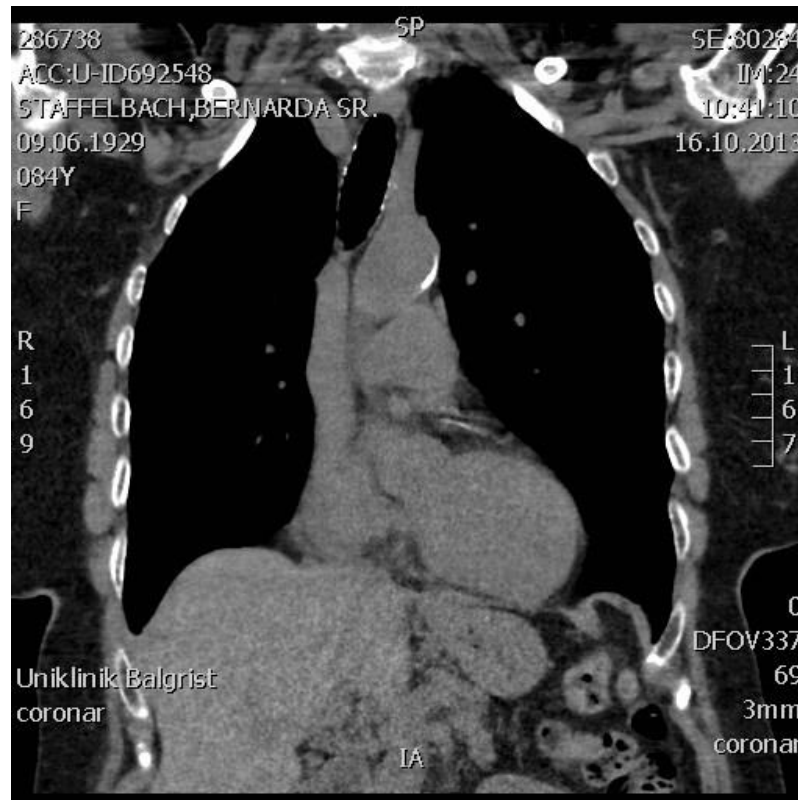
diaphyseal leg; complete; prosthesis MRI lower leg, october 16, 2013



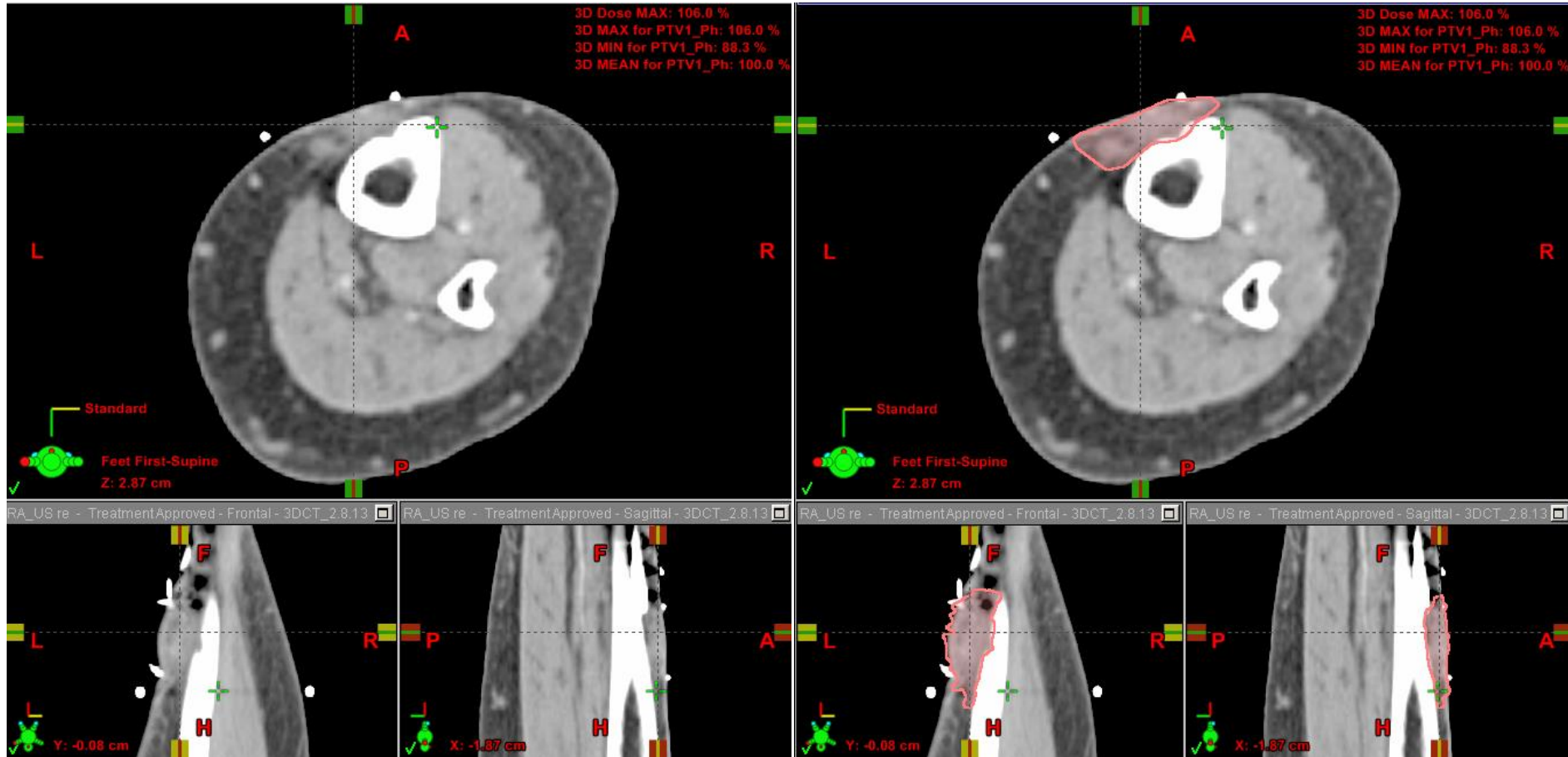
diaphyseal leg; complete; prosthesis CT thorax october 16, 2013

No lung metastases

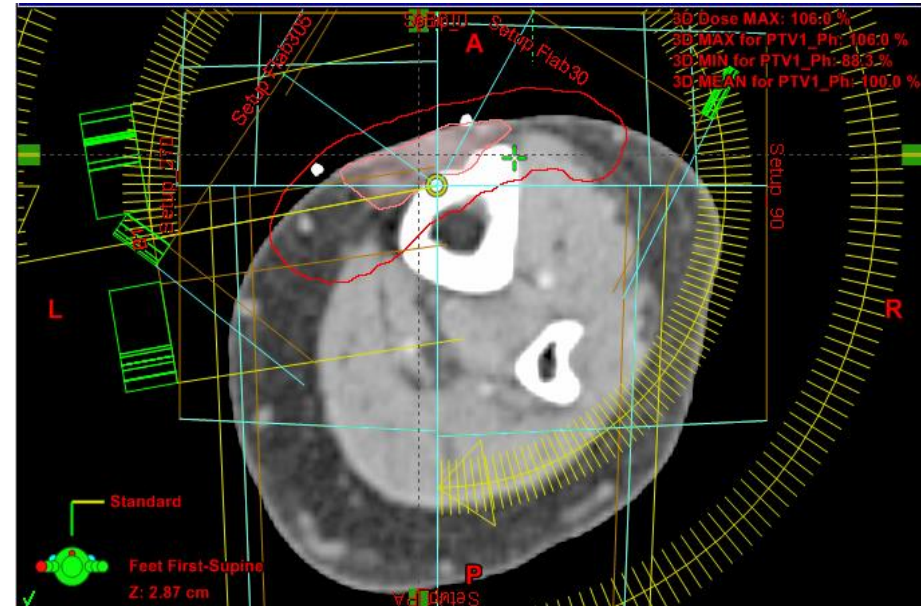
No residua postop s/p resection of bronchial carcinoma



diaphyseal leg; complete; prosthesis Radiotherapy in 2013

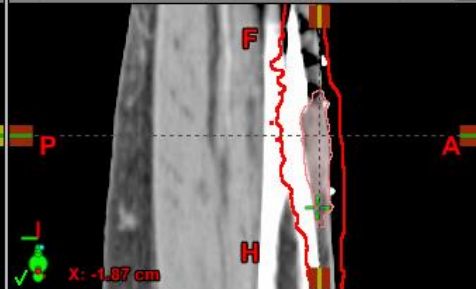
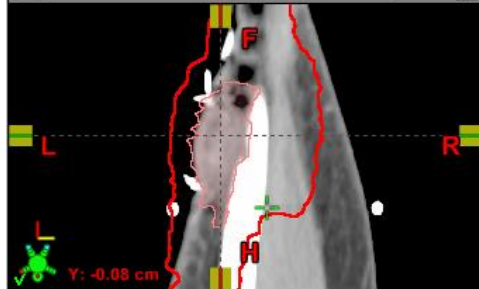


diaphyseal leg; complete; prosthesis Radiotherapy in 2013



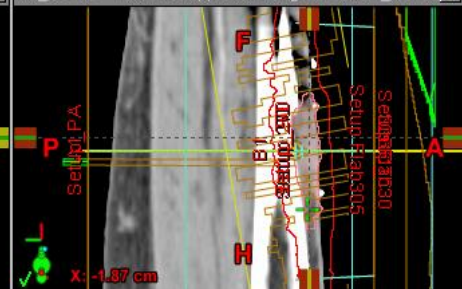
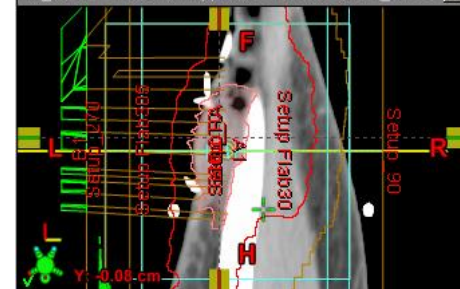
RA_US re - Treatment Approved - Frontal - 3DCT_2.8.13

RA_US re - Treatment Approved - Sagittal - 3DCT_2.8.13

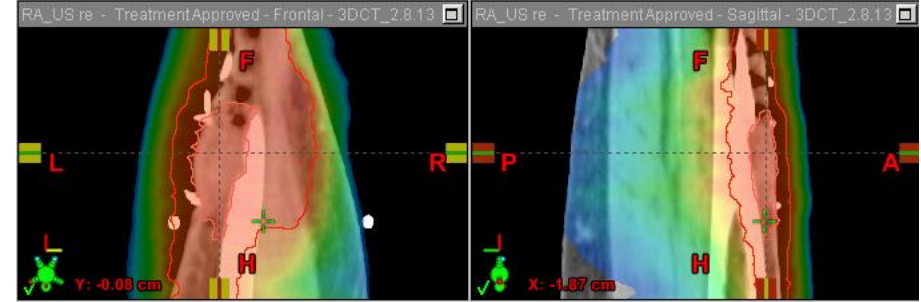
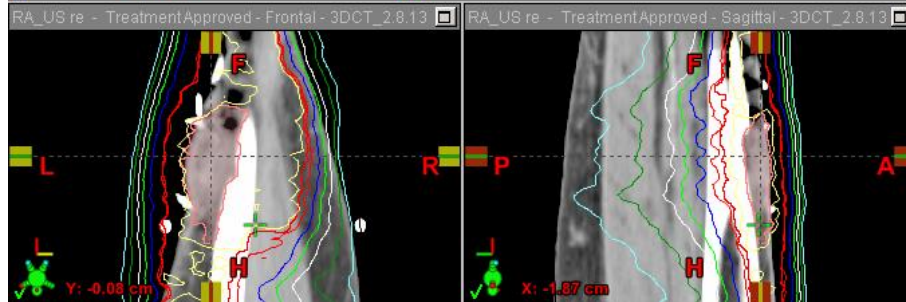
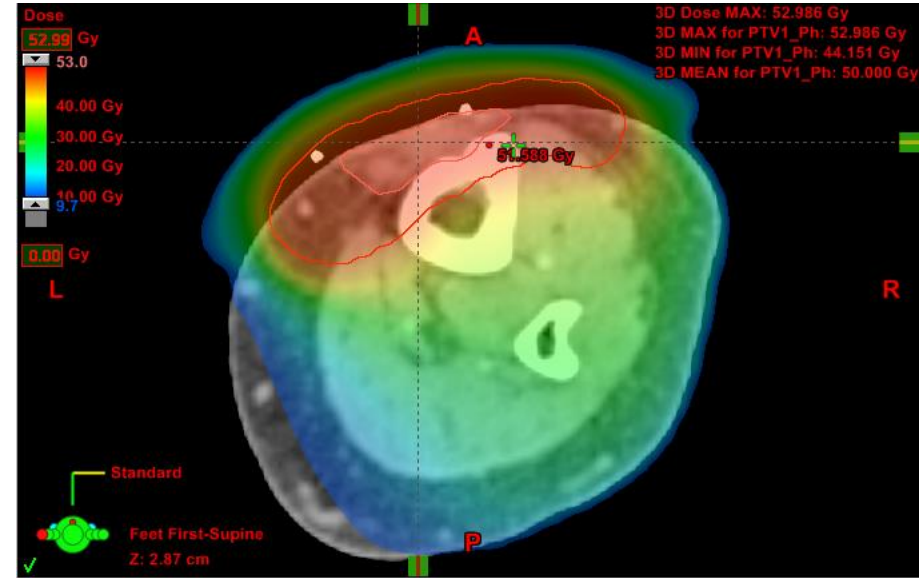
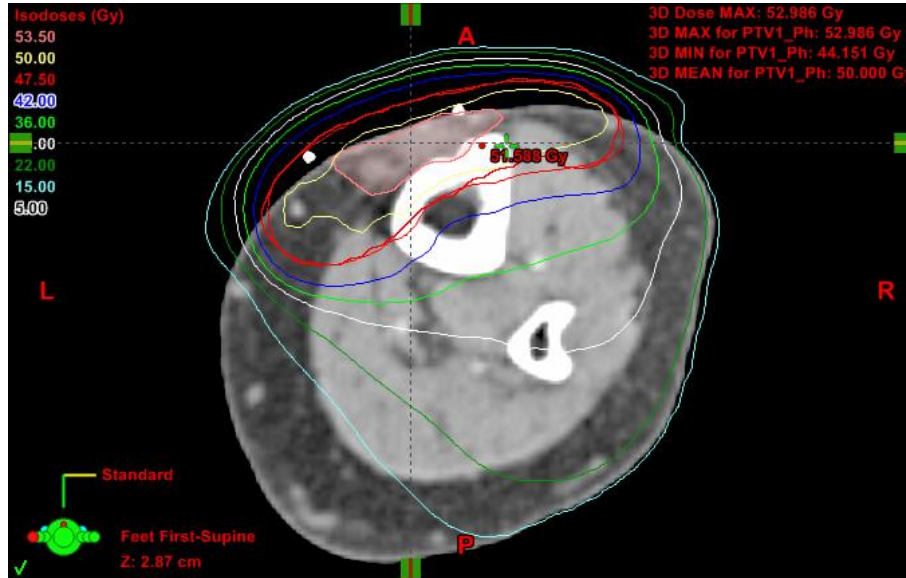


RA_US re - Treatment Approved - Frontal - 3DCT_2.8.13

RA_US re - Treatment Approved - Sagittal - 3DCT_2.8.13



diaphyseal leg; complete; prosthesis Radiotherapy in 2013



diaphyseal leg; complete; prosthesis Radiotherapy at USZ 2013

**Radiotherapy from 15. August 2013 until
18. September 2013**

diaphyseal leg; complete; prosthesis preoperative picture: November 18, 2013



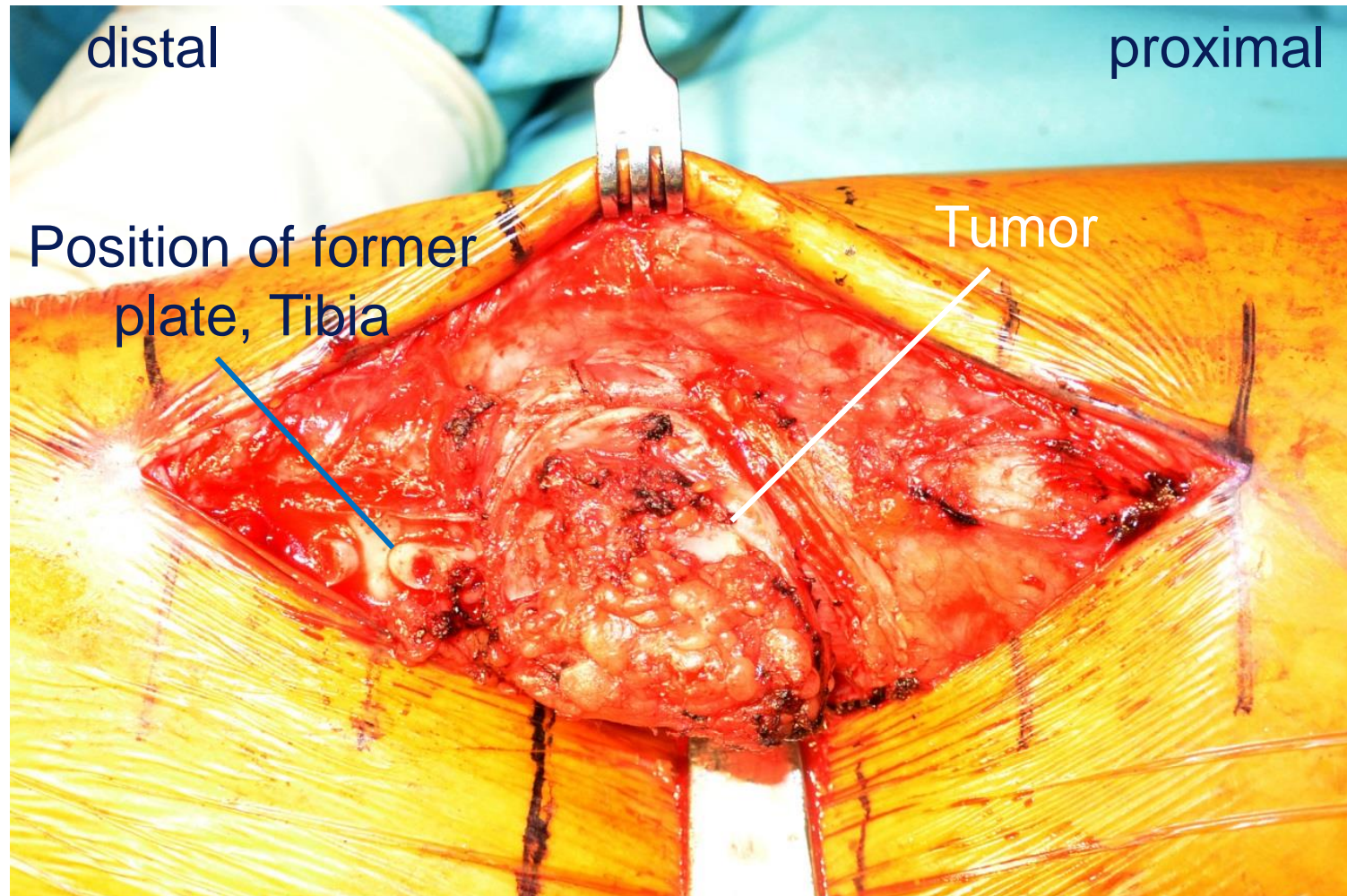
diaphyseal leg; complete; prosthesis preoperative X-Ray: November 18, 2013



diaphyseal leg; complete; prosthesis Surgery: November 19, 2013

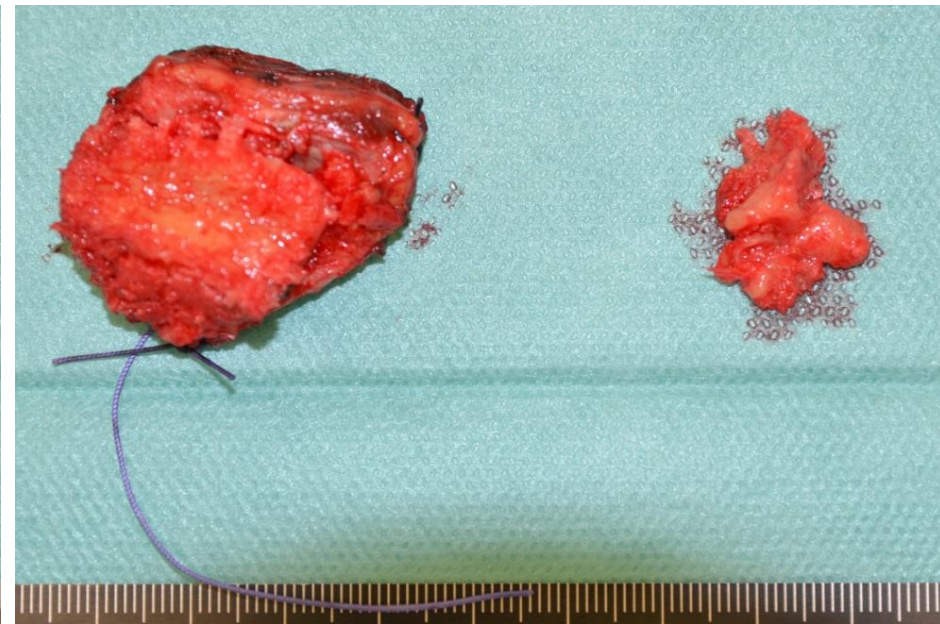
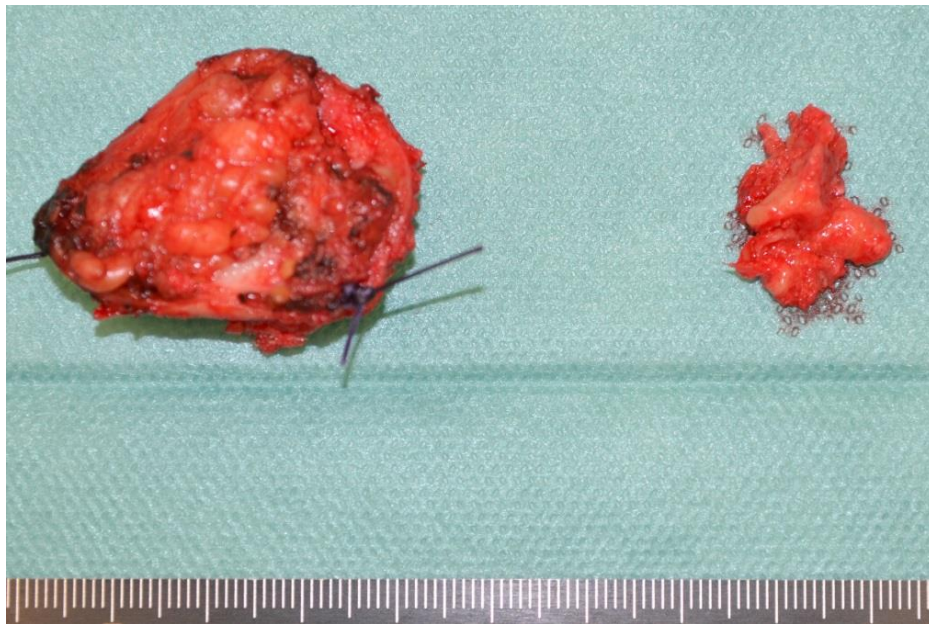


diaphyseal leg; complete; prosthesis Surgery: November 19, 2013



diaphyseal leg; complete; prosthesis

Surgery: November 19, 2013



diaphyseal leg; complete; prosthesis postoperative X-Ray: November 19, 2013



diaphyseal leg; complete; prosthesis Result Surgery: November 19, 2013

Erntnahme: 19.11.2013		Proben-Nr.:	B 2013.59958-59959
Eingang:	19.11.2013	USZ-Patienten-Nr.	0000099953

Klinische Angaben

Myxofibrosarkom '08 Resektion und Plattenosteosynthese, neuj Rezidiv weiter proximal
Tibia rechts. Myxofibrosarkom?

Angaben zur Probe

B 2013.59958: Intramedullär

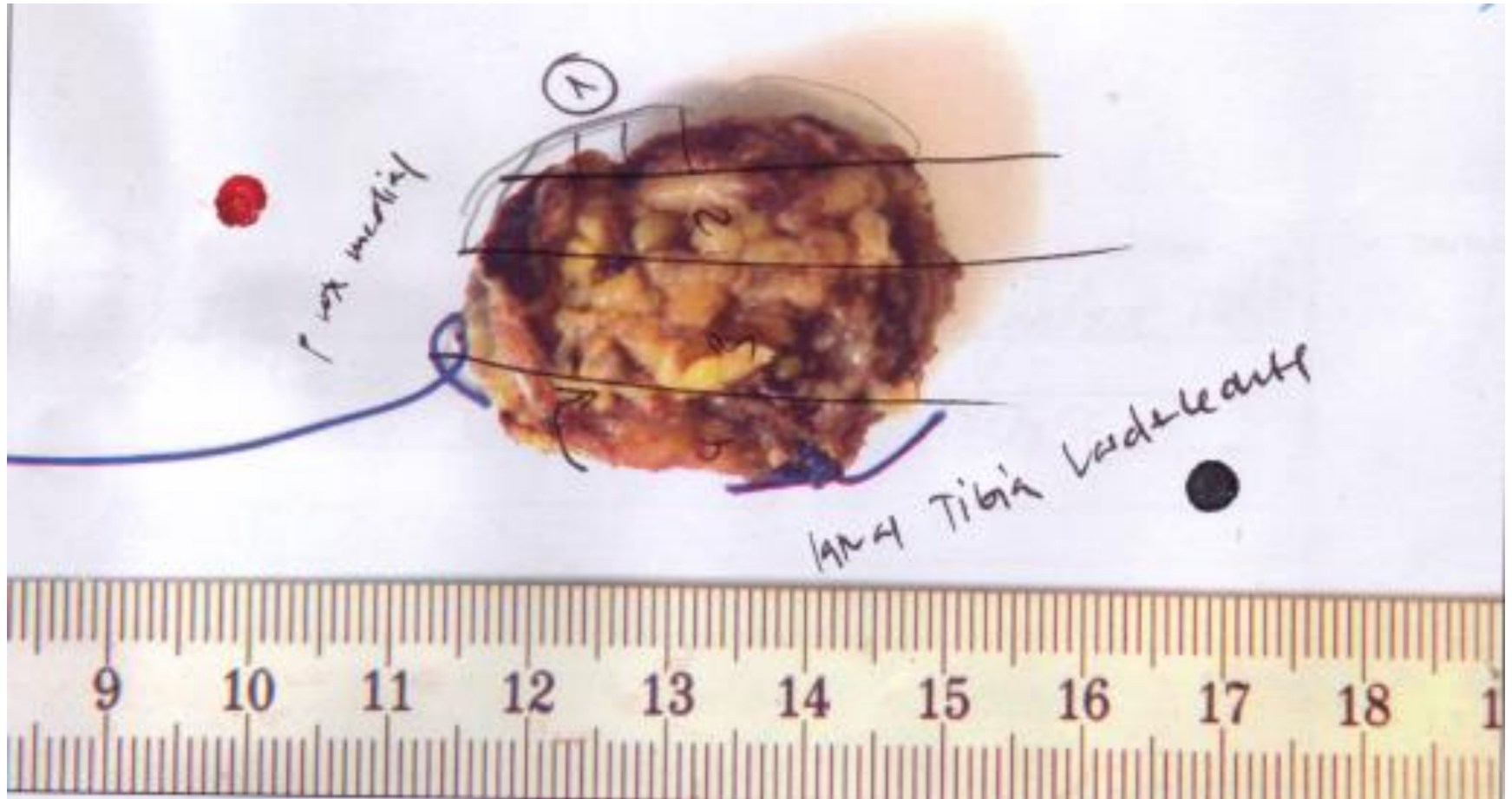
B 2013.59959: Tibia Diaphyse proximal der Osteosynthese rechts, Faden lang proximal
medial, Faden kurz lateral Tibia Vorderkante

Makroskopischer Befund

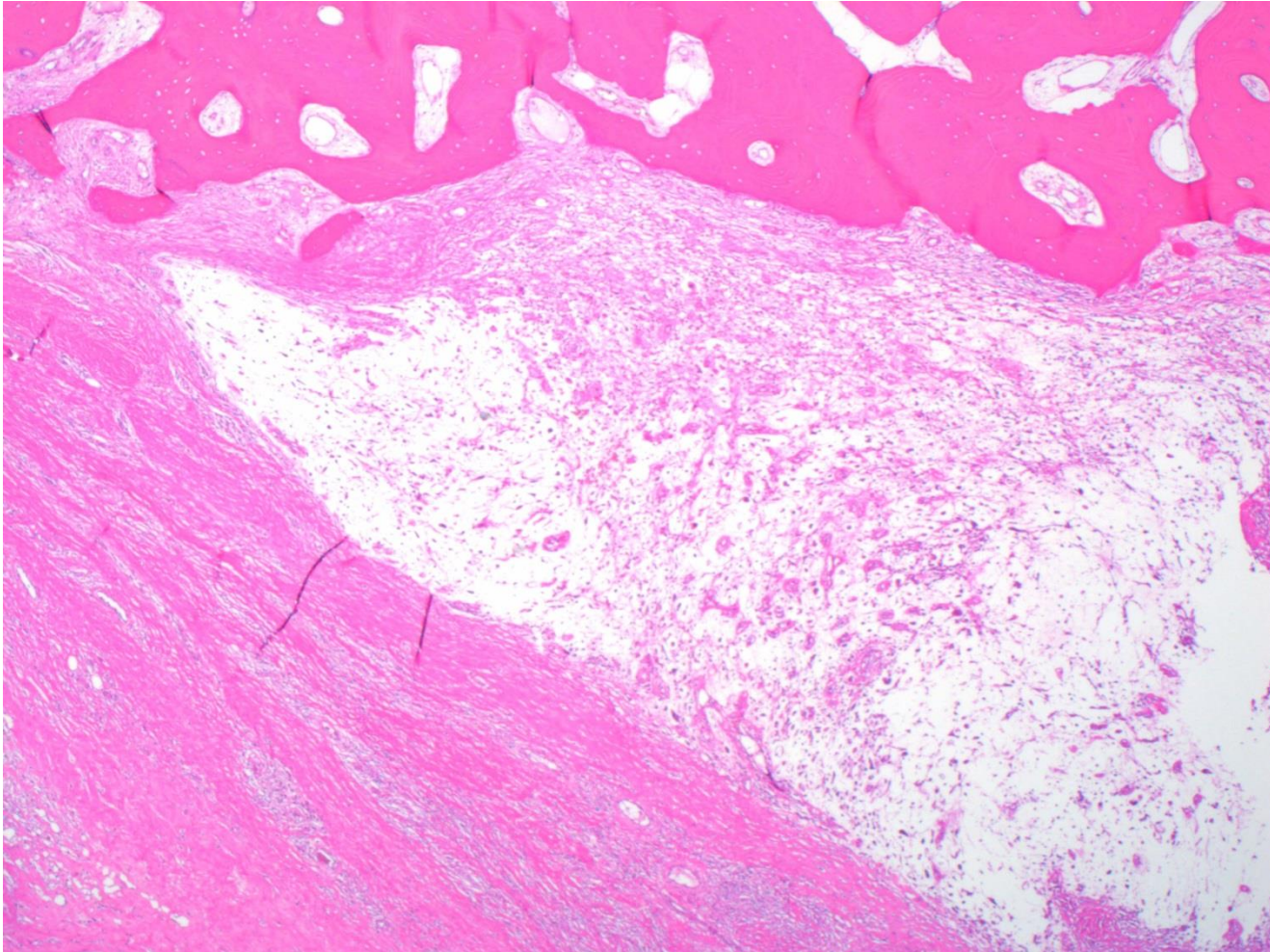
B 2013.59958: Ein Gewebefragment, beige, 1,9 x 1,2 x 0,7 cm gross, teils mit
Knochensplittern. Vollständig.

B 2013.59959: Ein Weichgewebsexzizat, 4 x 2,7 x 2 cm gross, 2-fach fadenmarkiert, Faden
lang=proximal medial, Faden kurz=lateral, Tibia Vorderkante. Anhaftend am Exzizat ein
Knochenstück mit einer Grösse von 3 x 2,7 x 0,7 cm, Kortikalis 0,2 cm breit. Fixiert
gewogen 8,9 g schwer. Das Präparat wie folgt farbmarkiert, proximal medial rot, lateral Tibia-

diaphyseal leg; complete; prosthesis Result Surgery: November 19, 2013

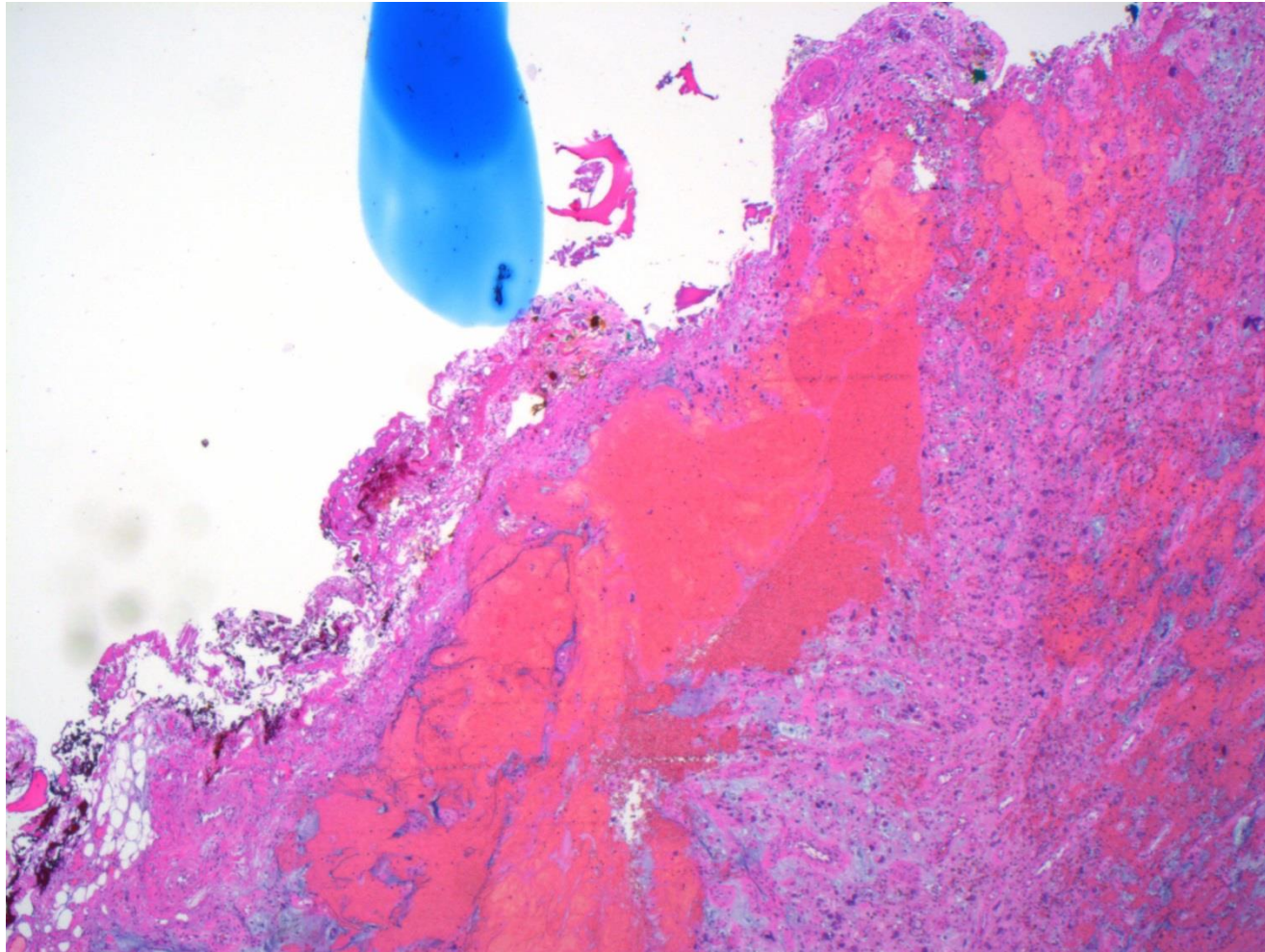


diaphyseal leg; complete; prosthesis Result Surgery: November 19, 2013

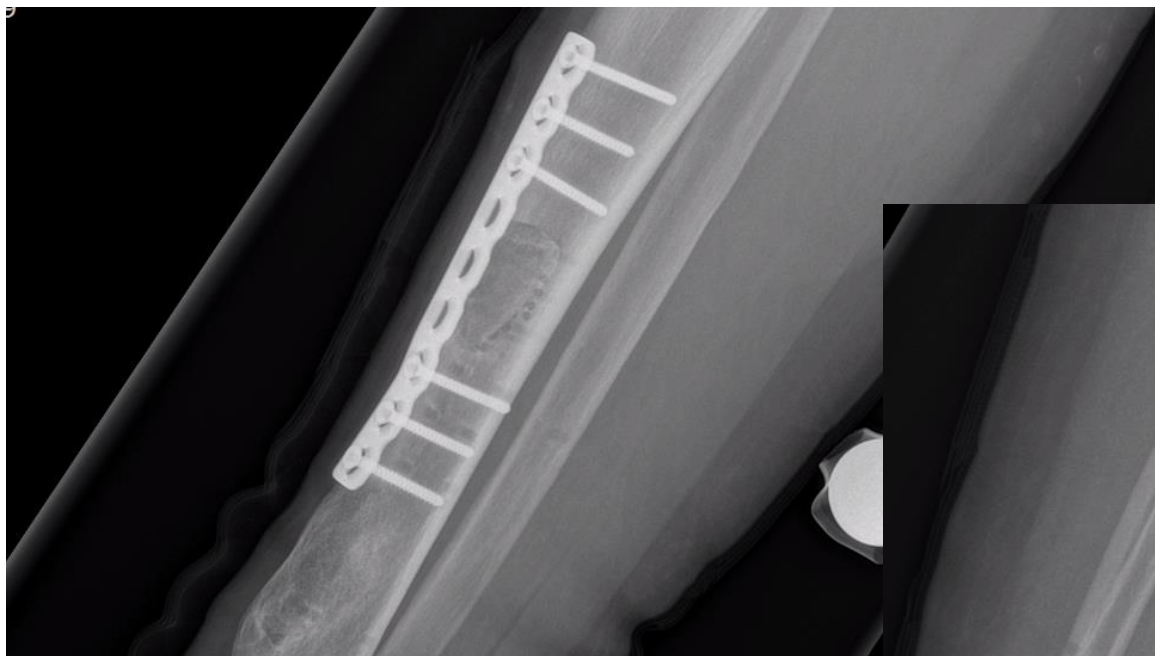


diaphyseal leg; complete; prosthesis Result Surgery: November 19, 2013

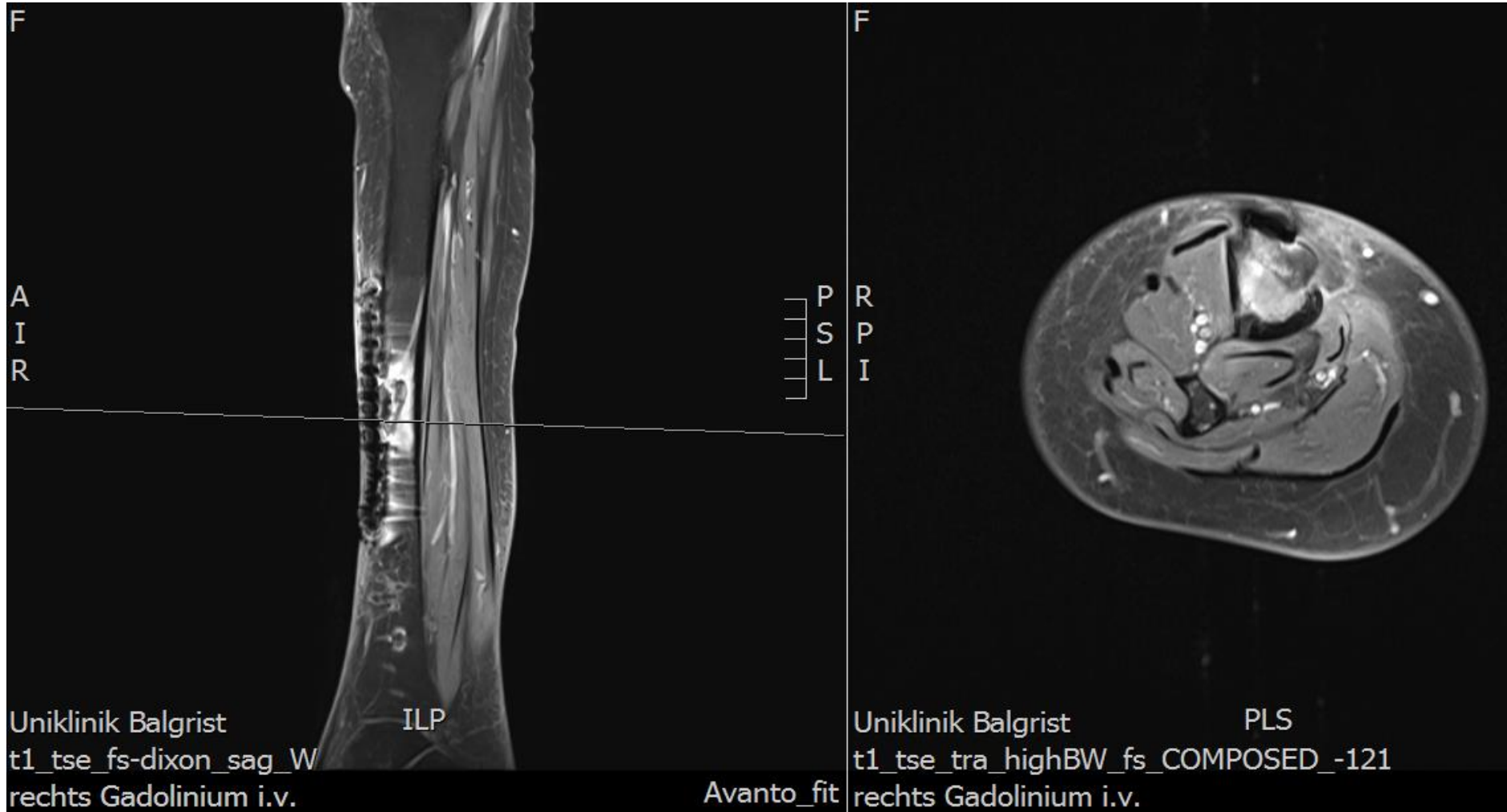
Erntnahme: 19.11.2013		Proben-Nr.:	B 2013.59958-59959
Eingang:	19.11.2013	USZ-Patienten-Nr.	0000099953



diaphyseal leg; complete; prosthesis RX January 9th 2014

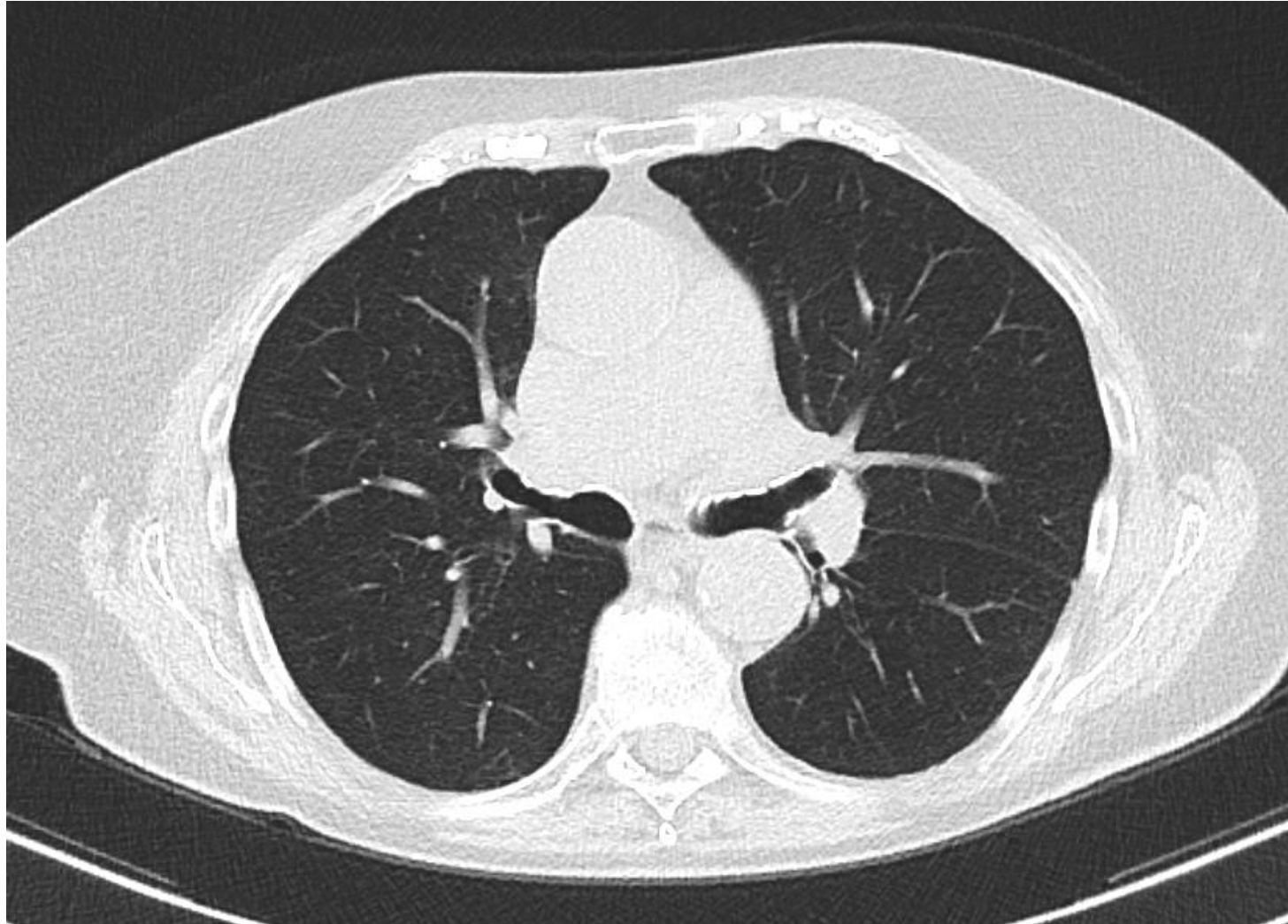


diaphyseal leg; complete; prosthesis MRI February 19th 2014



no local recurrence

diaphyseal leg; complete; prosthesis
CT CHEST February 19th 2014

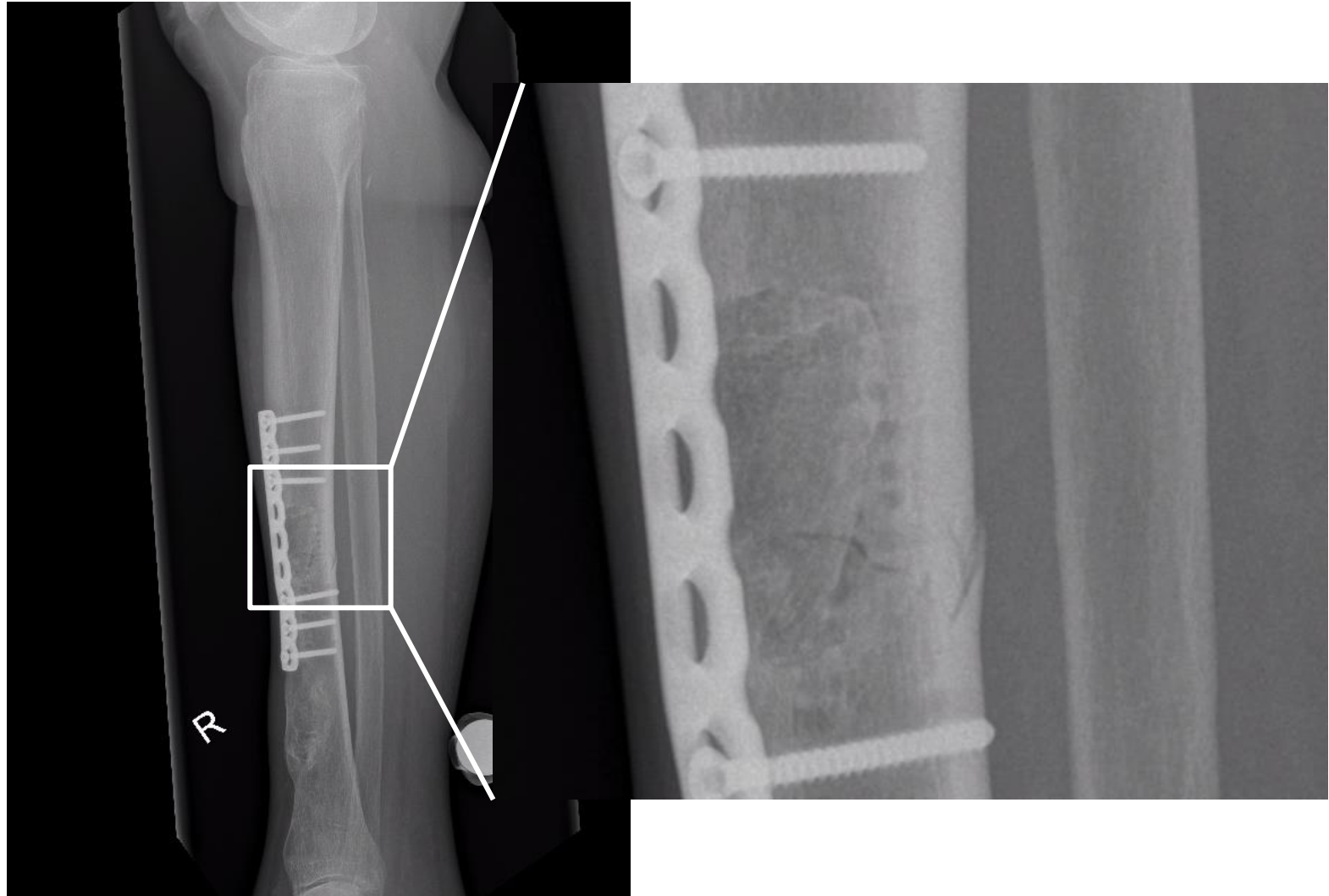


no metastasis

diaphyseal leg; complete; prosthesis clinical visit March 31st 2014

**Patient presented with swelling, warmth and pain over
the tibia**

diaphyseal leg; complete; prosthesis RX March 31st 2014



**diaphyseal leg; complete; prosthesis
clinical visit: April 10th 2014**



diaphyseal leg; complete; prosthesis

- CRP was elevated and the erysipiel was treated for 2 weeks with antibiotica
- Pain over the graft persisted

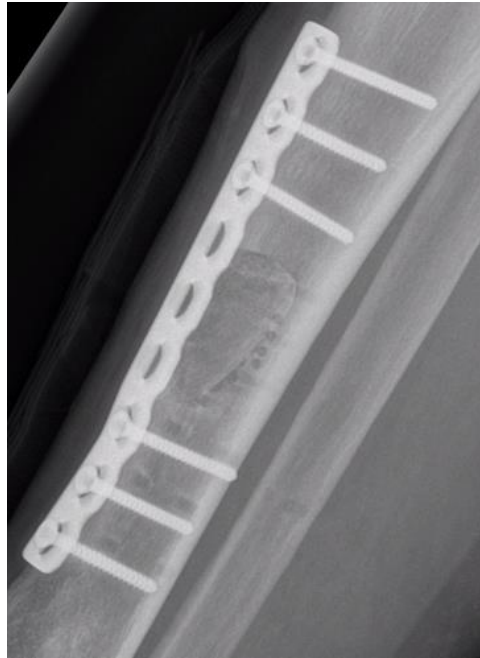
Clinical finding:

- Crepitation over the graft

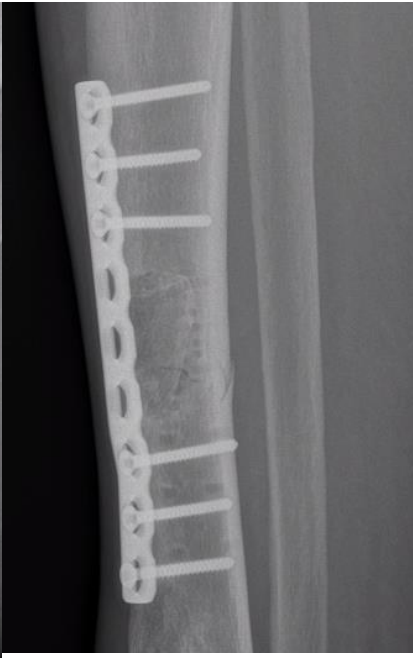
diaphyseal leg; complete; prosthesis RX April 4th 2014



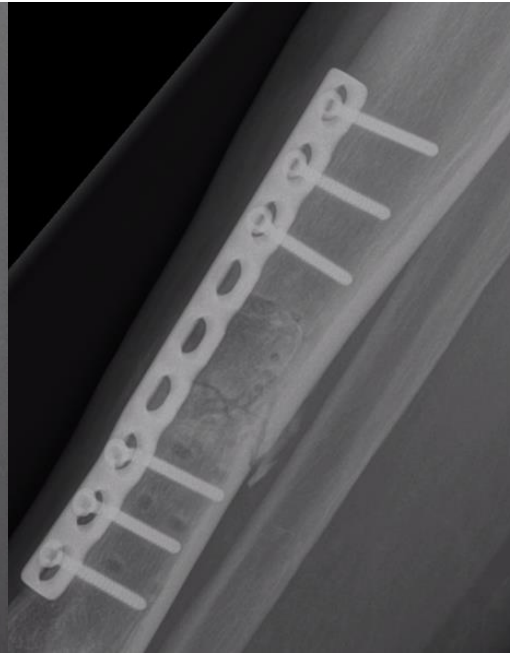
diaphyseal leg; complete; prosthesis RX FU



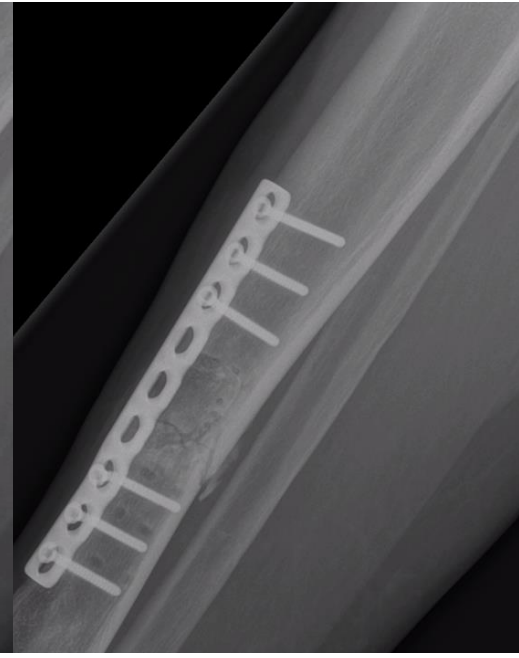
January 9th 2014



March 31st 2014



April 17th 2014

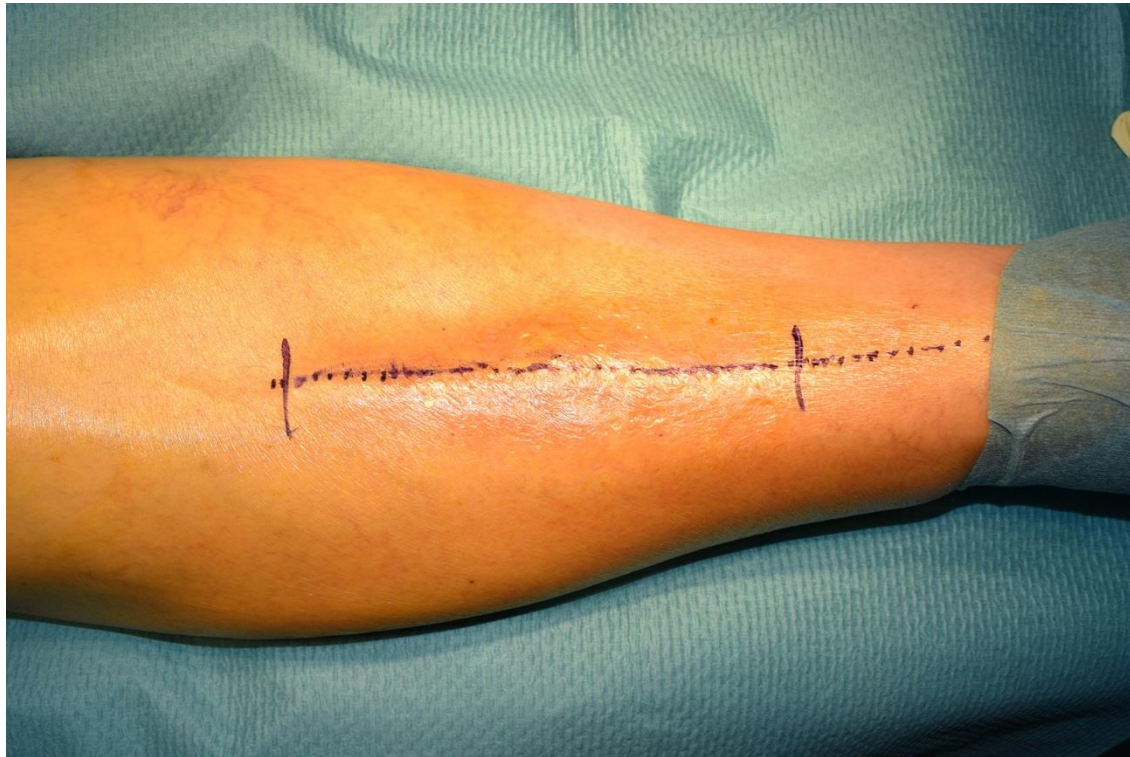


May 28th 2014

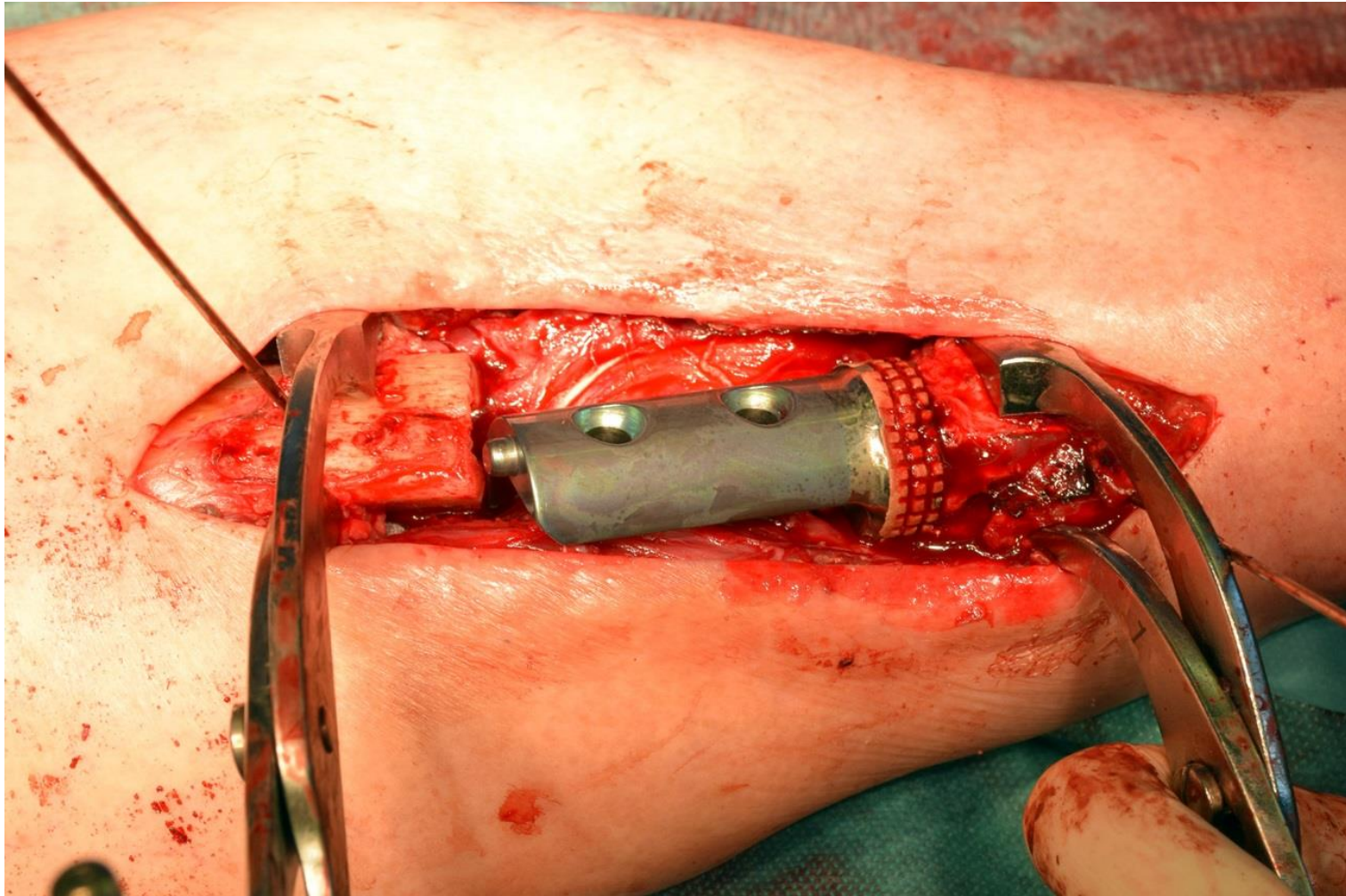
diaphyseal leg; complete; prosthesis clinical visit: May 28th, 2014



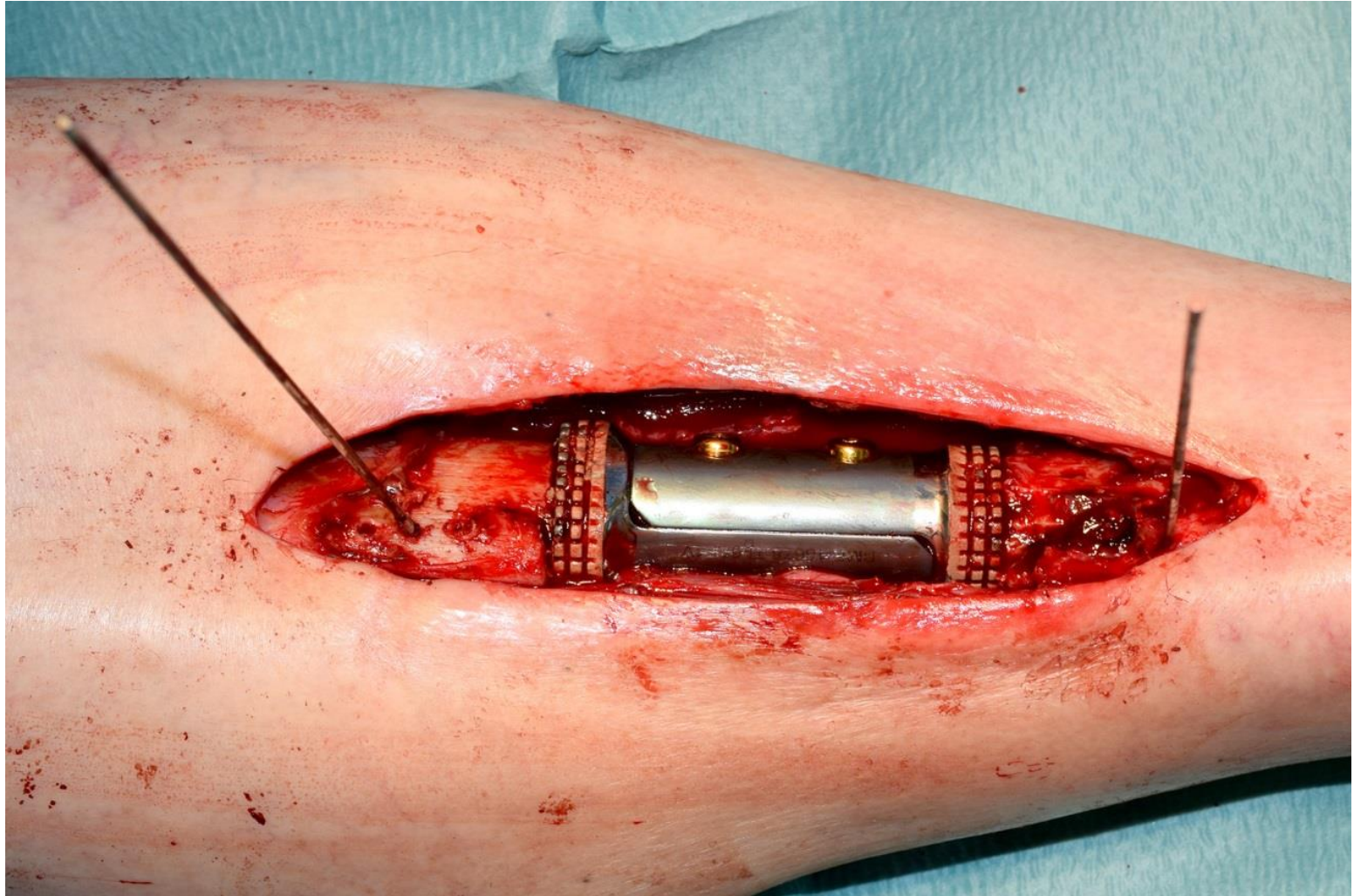
diaphyseal leg; complete; prosthesis Surgery: June 03th, 2014



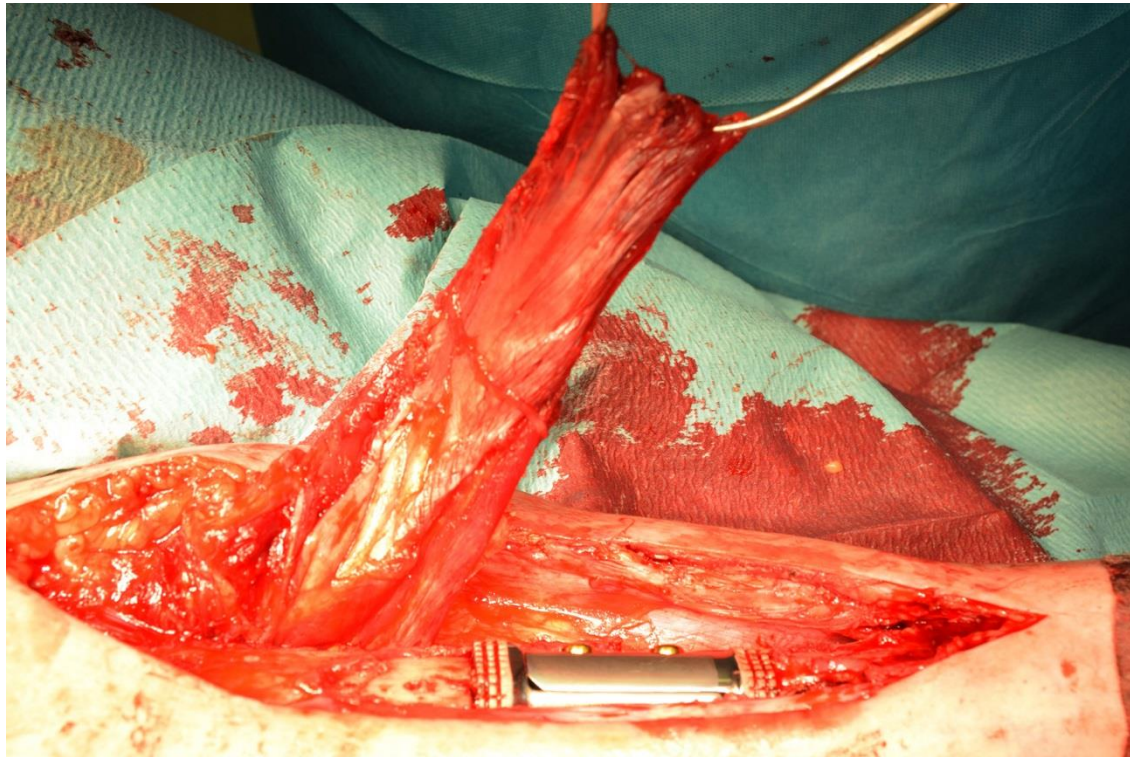
diaphyseal leg; complete; prosthesis Surgery: June 03th, 2014



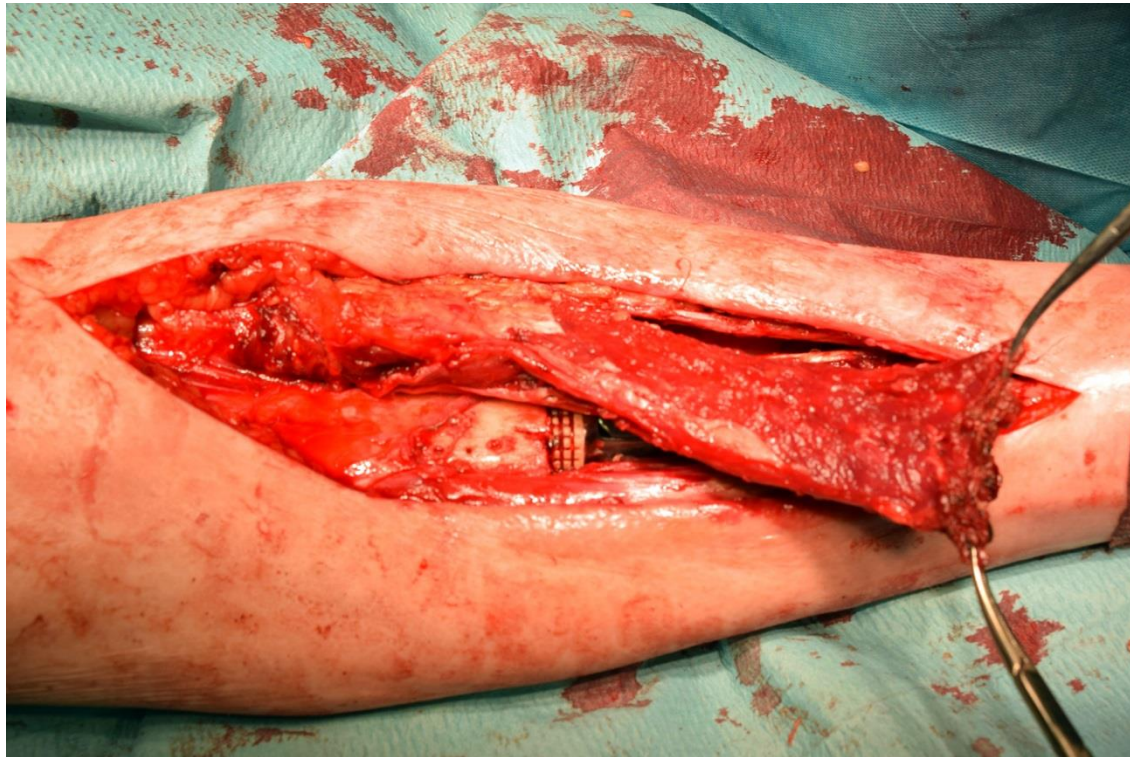
diaphyseal leg; complete; prosthesis Surgery: June 03th, 2014



diaphyseal leg; complete; prosthesis Surgery: June 03th, 2014



diaphyseal leg; complete; prosthesis Surgery: June 03th, 2014



diaphyseal leg; complete; prosthesis RX June 3rd 2014



diaphyseal leg; complete; prosthesis

6 days postop



diaphyseal leg; complete; prosthesis Surgery: June, 2014



Local superficial debridement, mesh graft

diaphyseal leg; complete; prosthesis

May 16, 2017

No signs of recurrence

Prosthesis well fixed