Eine Literaturanalyse zum Thema:

Kompression von Bilddaten

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Ziel *(Ø Workflow!)*

Kompression von Bilddaten (DICOM-Daten)

- Kompressionsfaktor
- Modalität
- Organ

?

Bedingung: Ø diagnostische Einbuße

(forget about “lossy” or “lossless”)

Methodik

Konsensuskonferenz

a) Veranstalter:
- Zieldefinition
- Fragenvorschläge
- Konsensvorschlag

b) Expertengruppe:
- Überprüfen des Ziels
- Feinjustierung der Fragen
- Präkonsens

c) Auditorium
- Abstimmung zum Präkonsens
- Vorträge
- Abstimmung zum Endkonsens

Präkonsens

I. Studienlage:

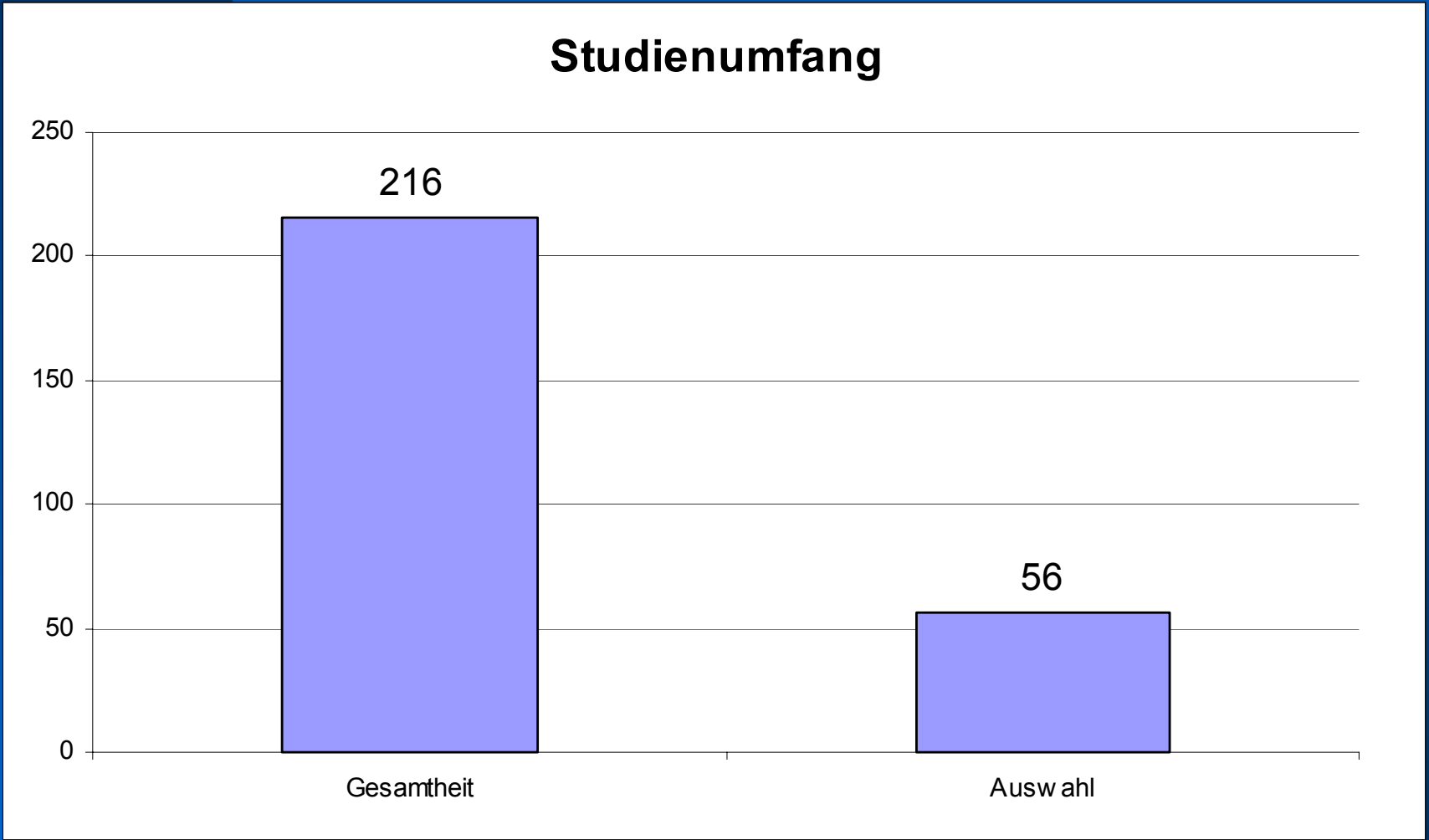
Studientyp:	Level III	*(hoch)*
	Level II	*(mittel)*
	Level I	*(niedrig)*

II. Einschluss in Auswertung:

Level III

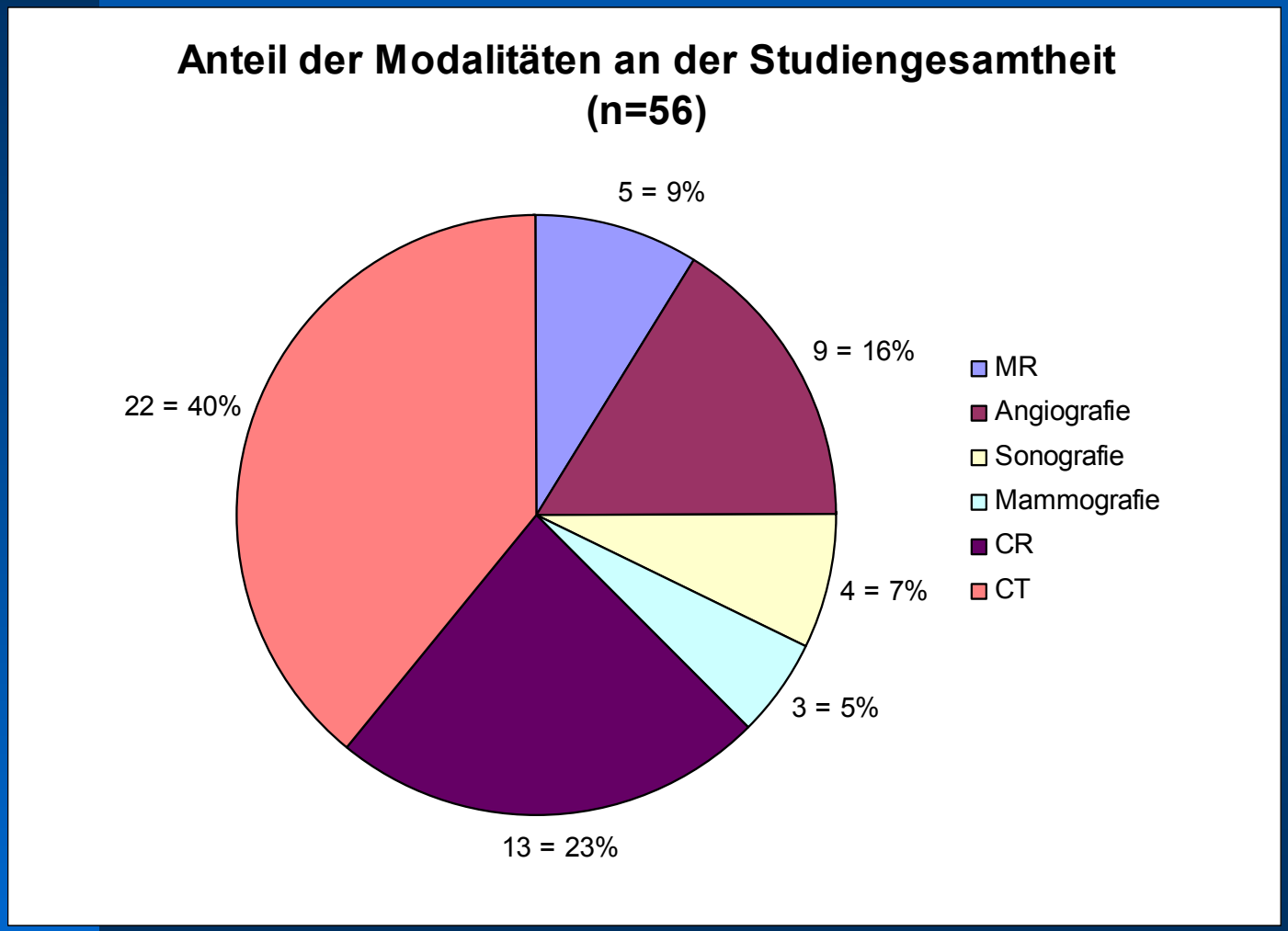
Häufigkeitsverteilungen

Reach out for the Future



Anteil der Modalitäten

Reach out for the Future



Anteil nach Zielorganen

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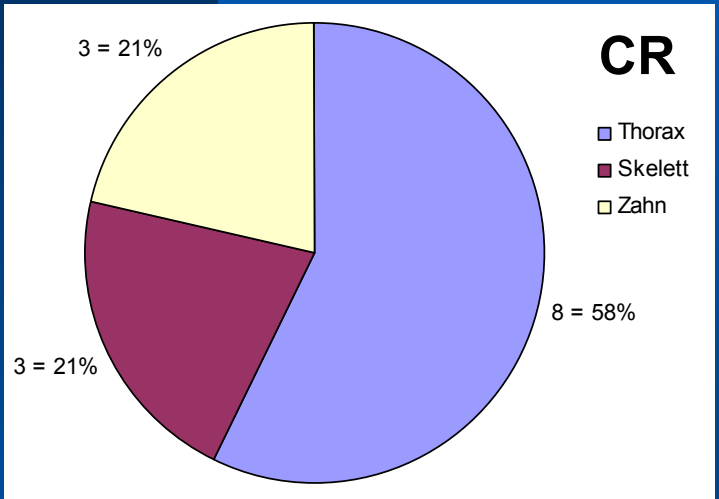
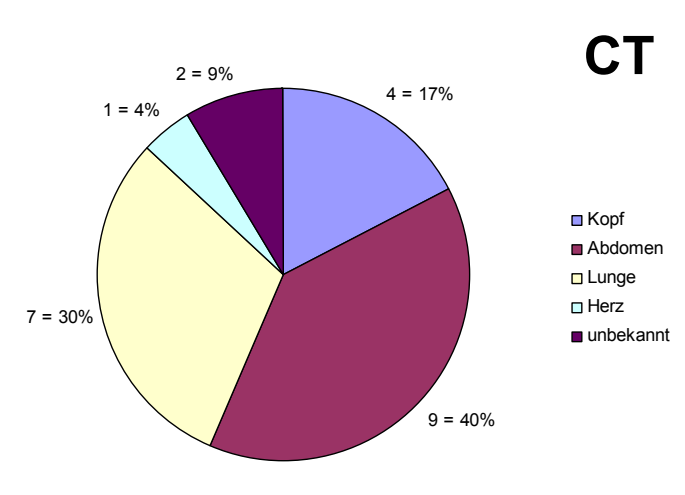
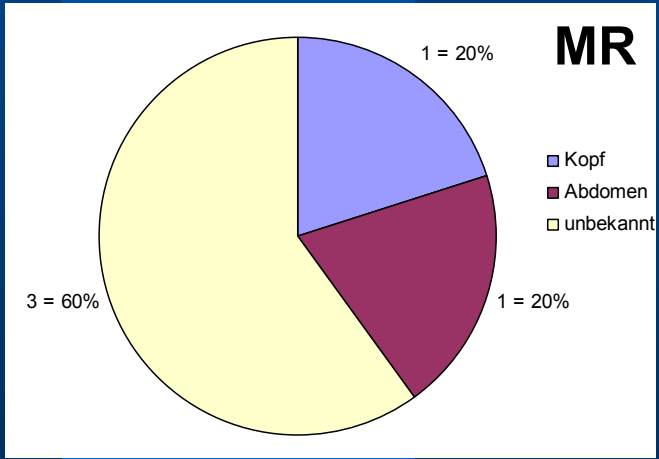
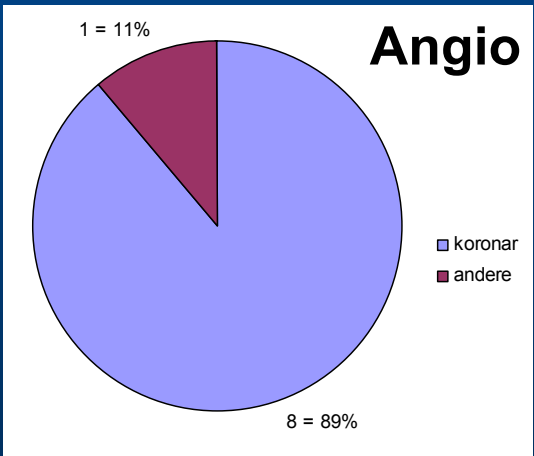
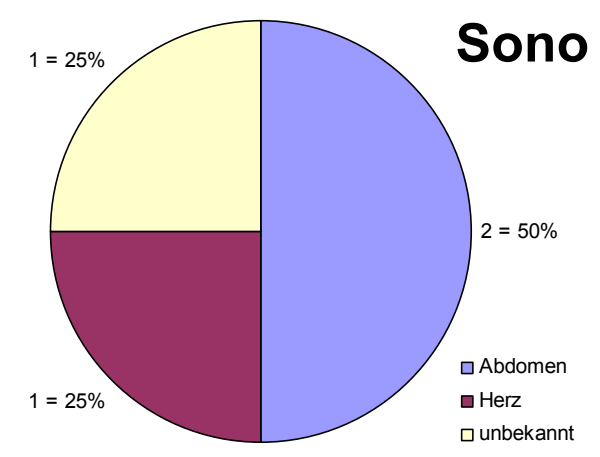


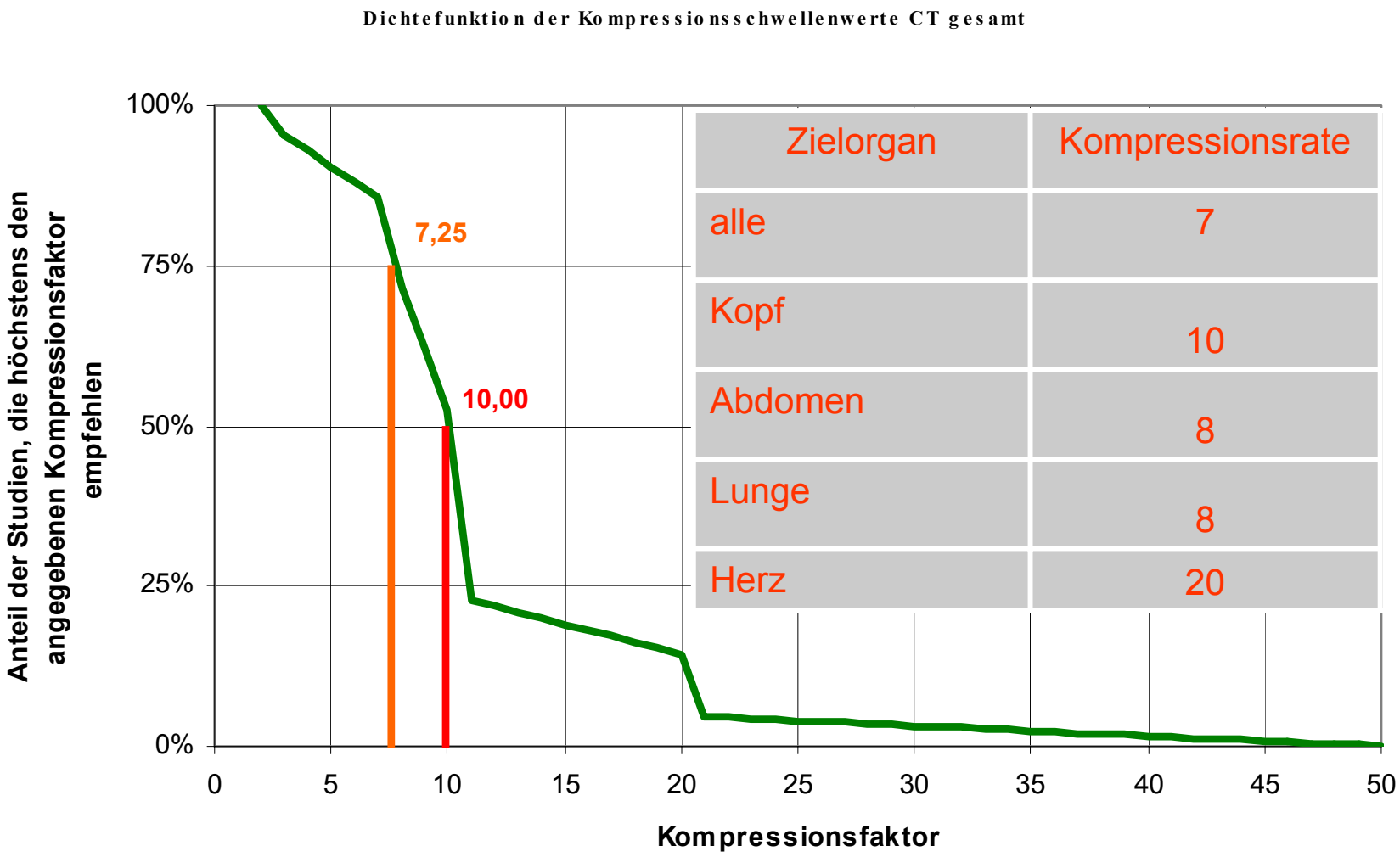








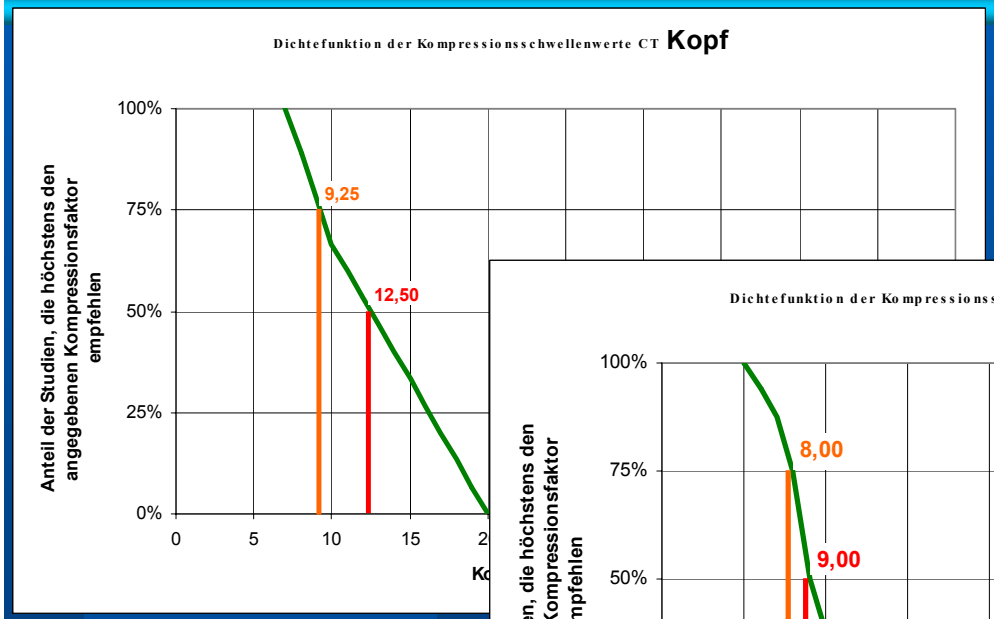
CT gesamt

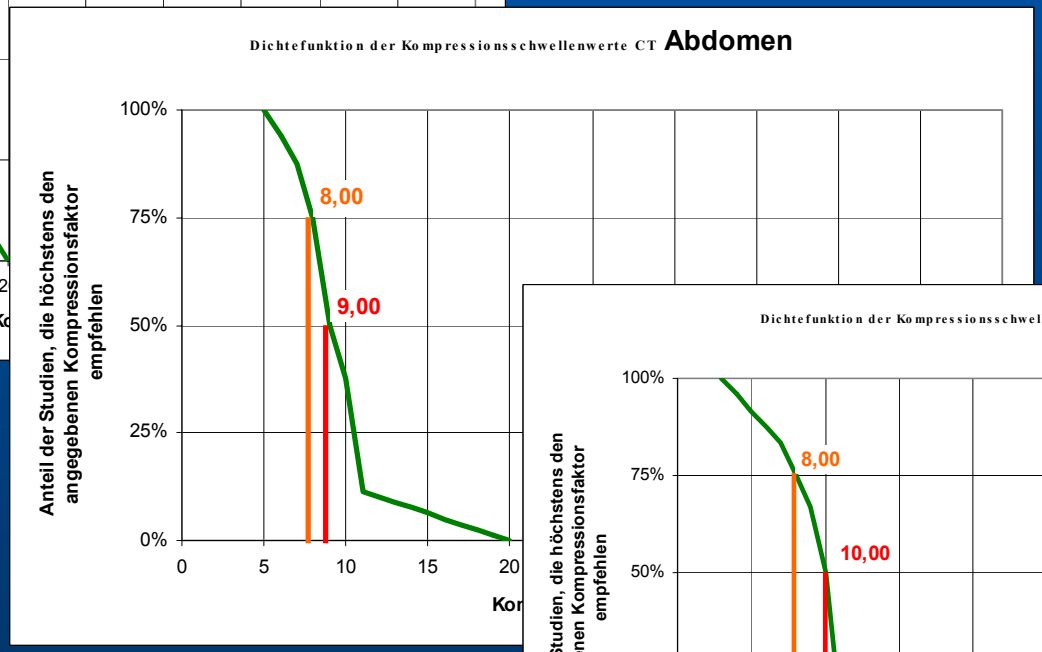


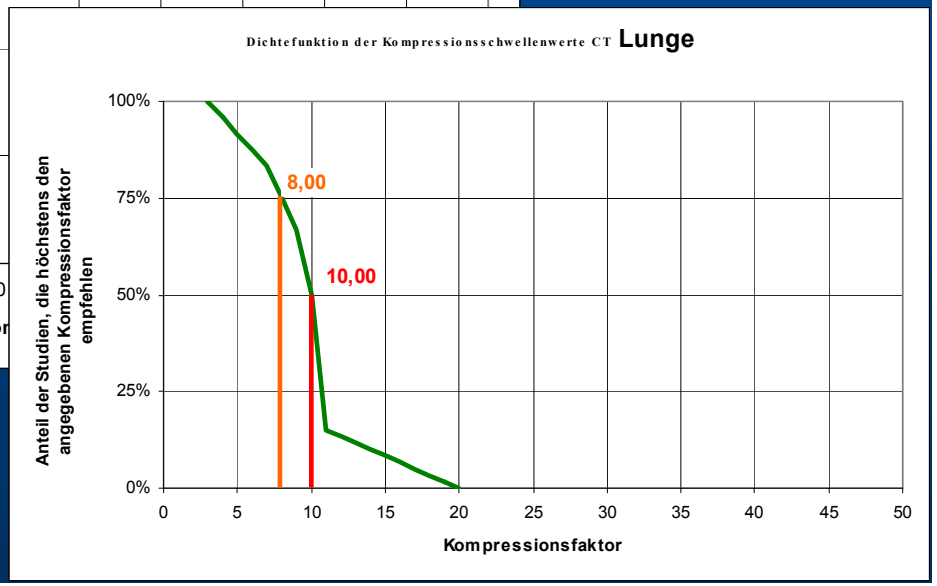
Zielorgan	Kompressionsrate
alle	7
Kopf	10
Abdomen	8
Lunge	8
Herz	20

CT: Kopf, Abdomen, Lunge

Reach out for the Future

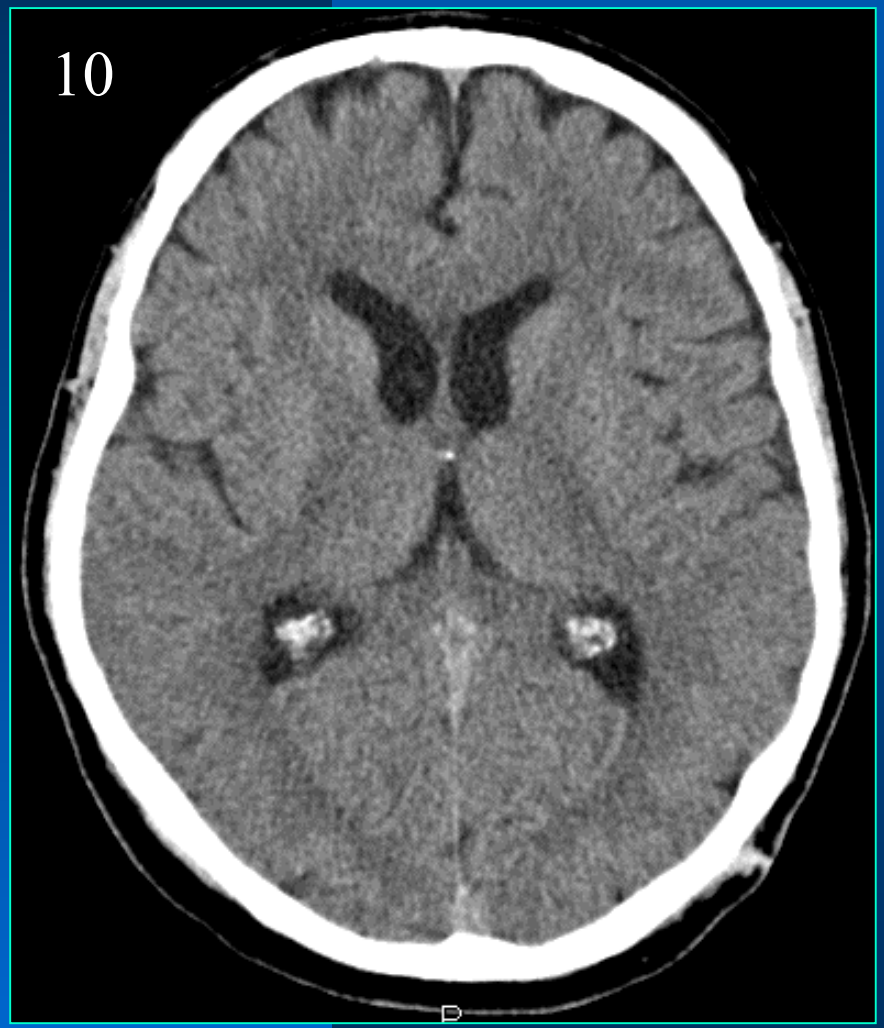


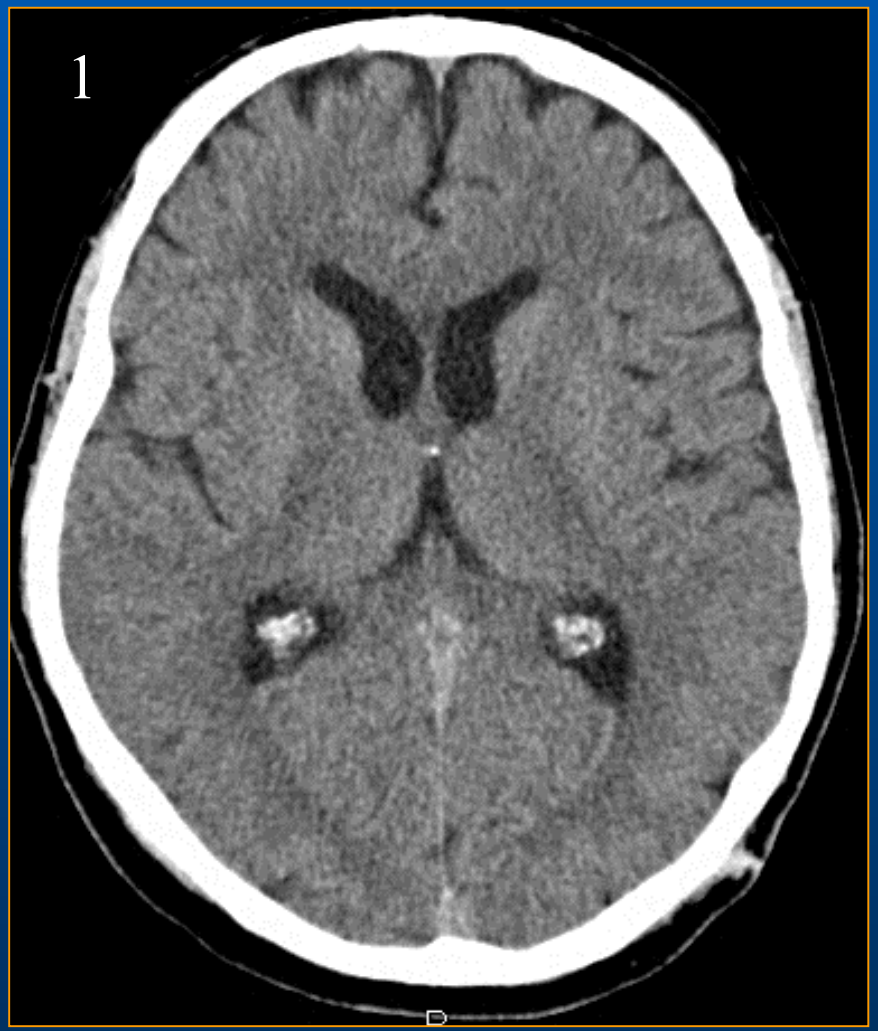




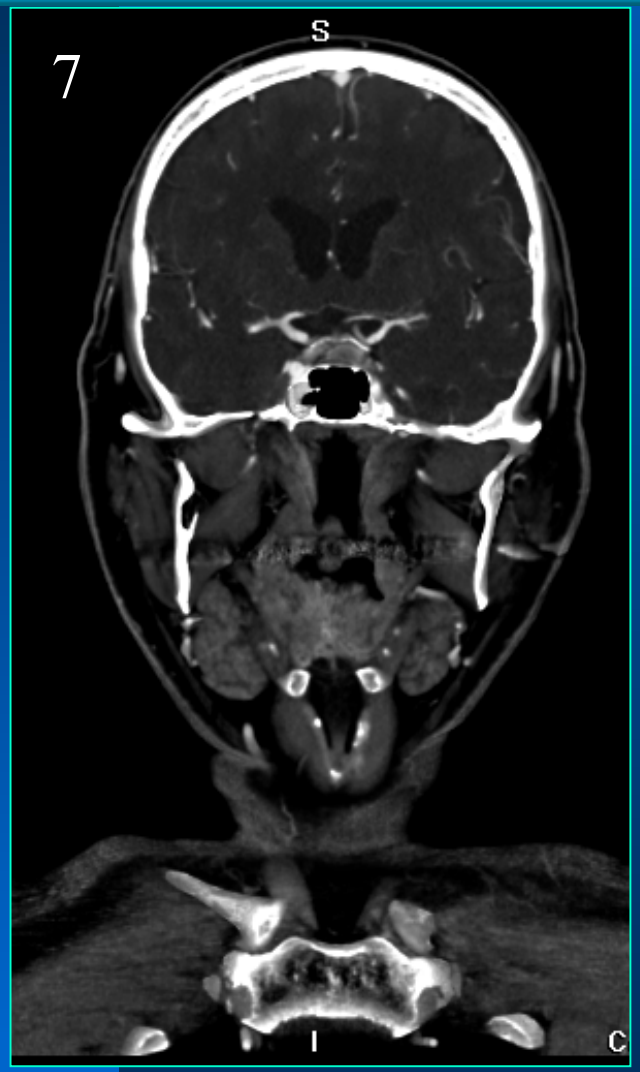
CT Schädel nativ

Reach out for the Future

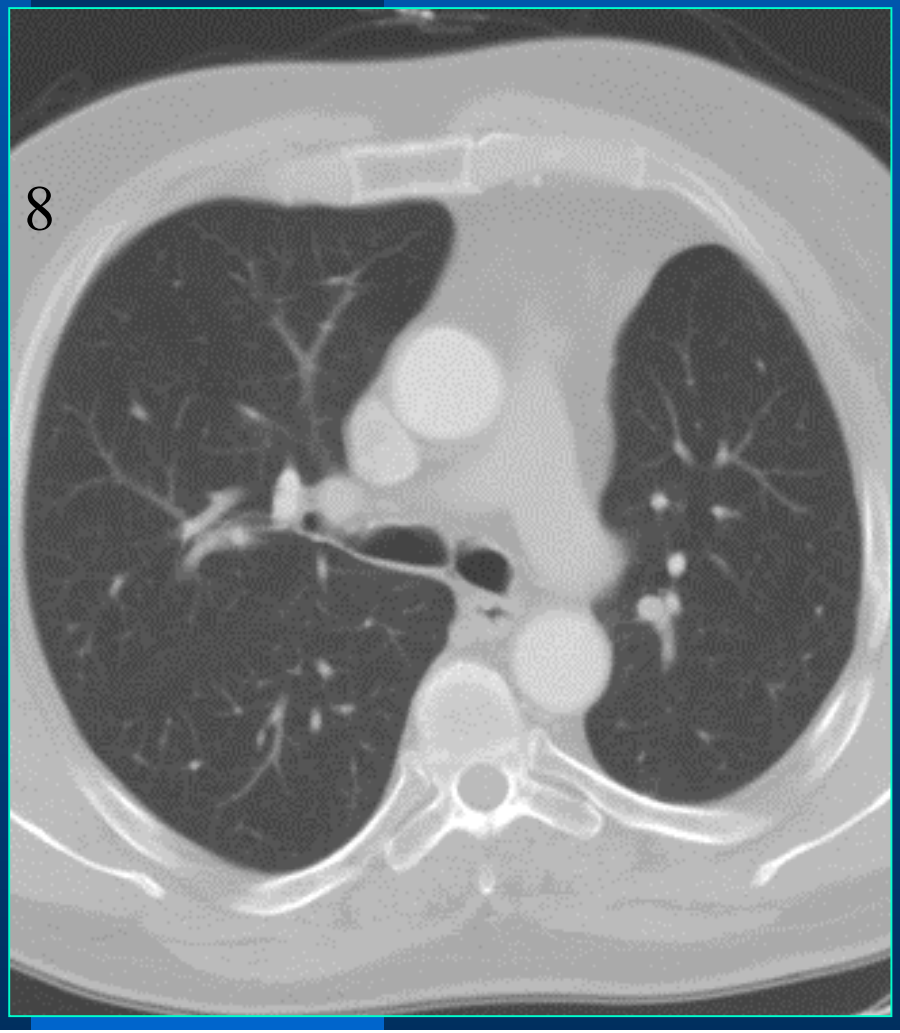


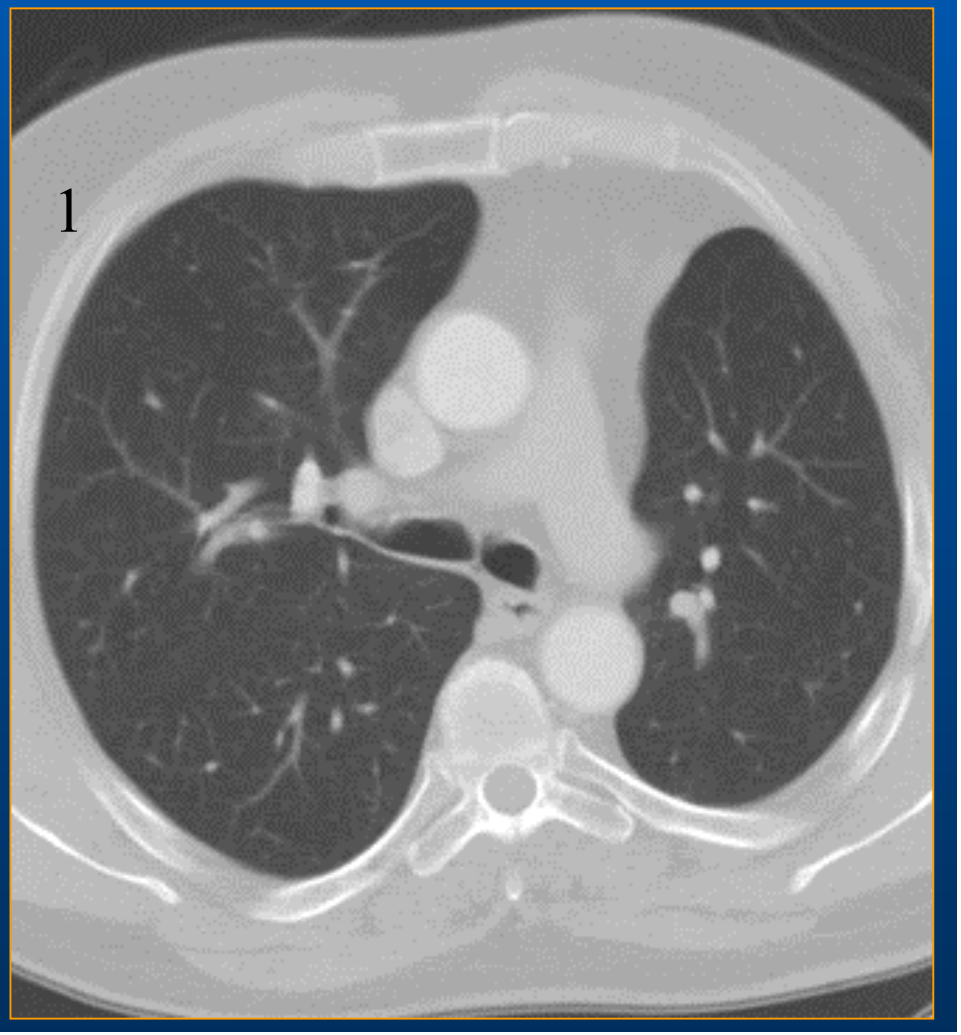


CT - angio Kopf



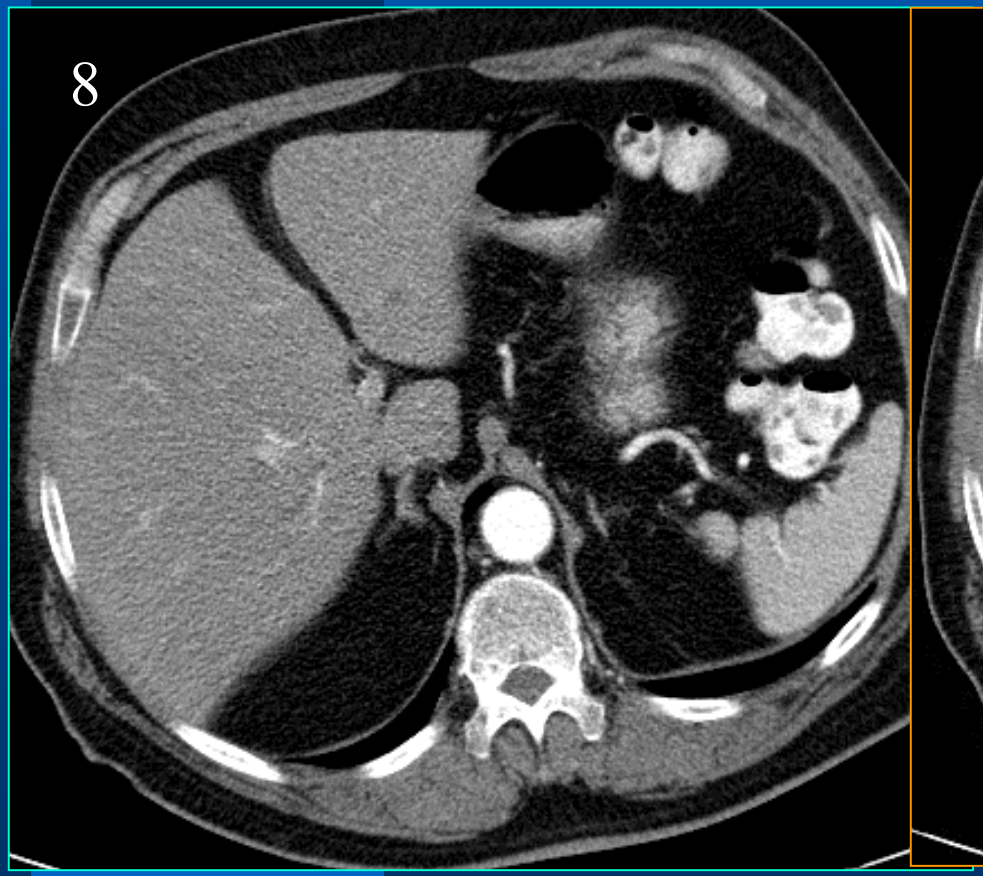
CT Thorax

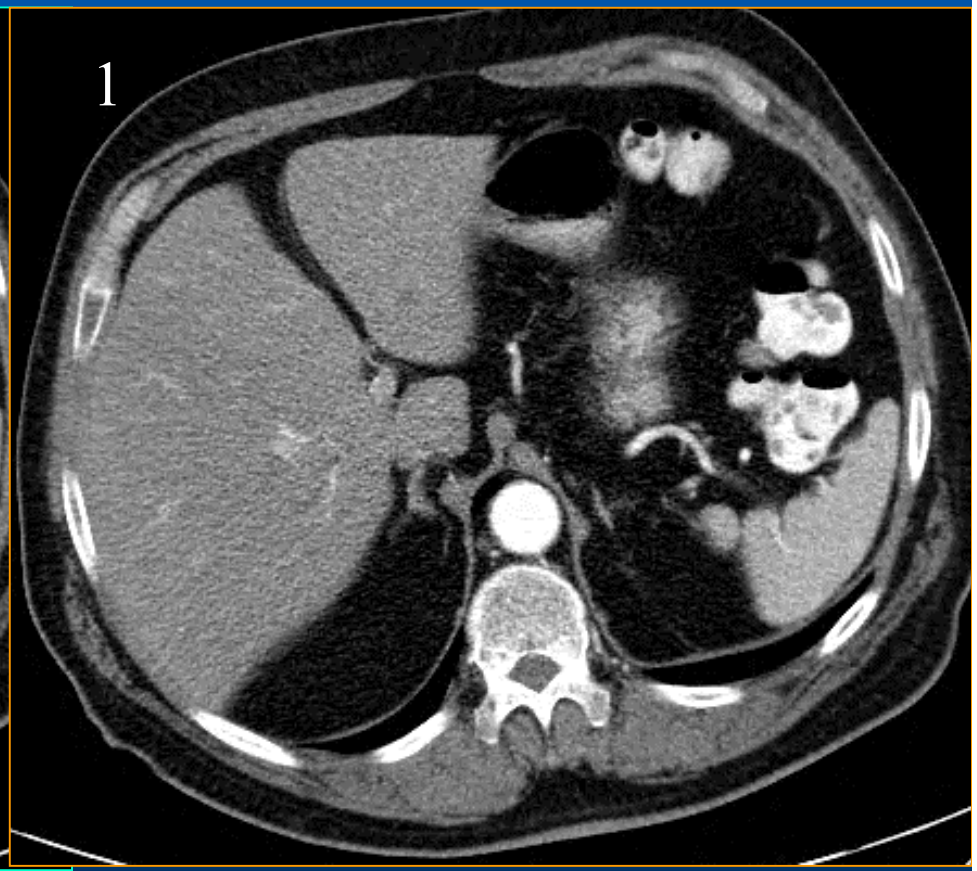




CT Abdomen

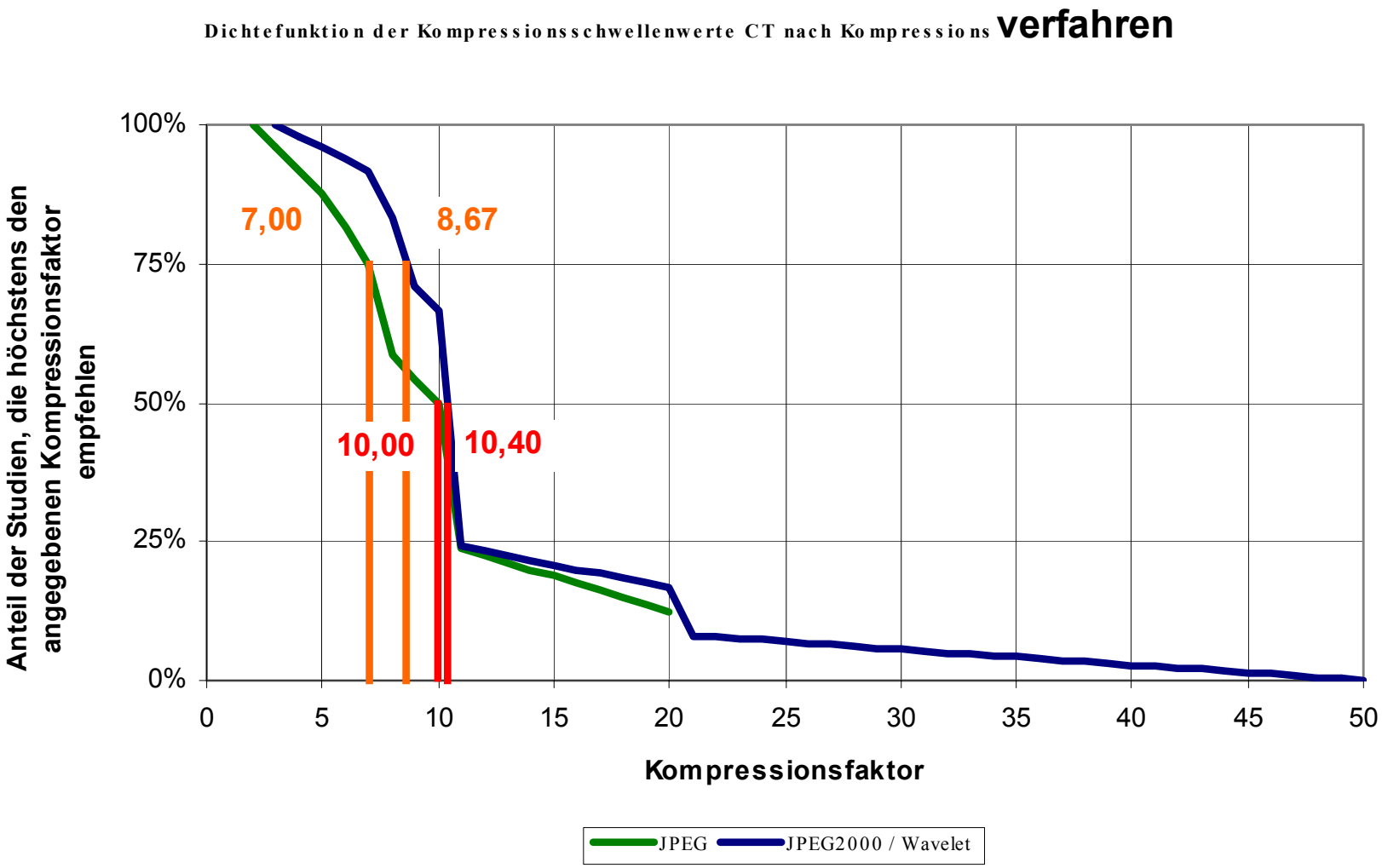
Reach out for the Future



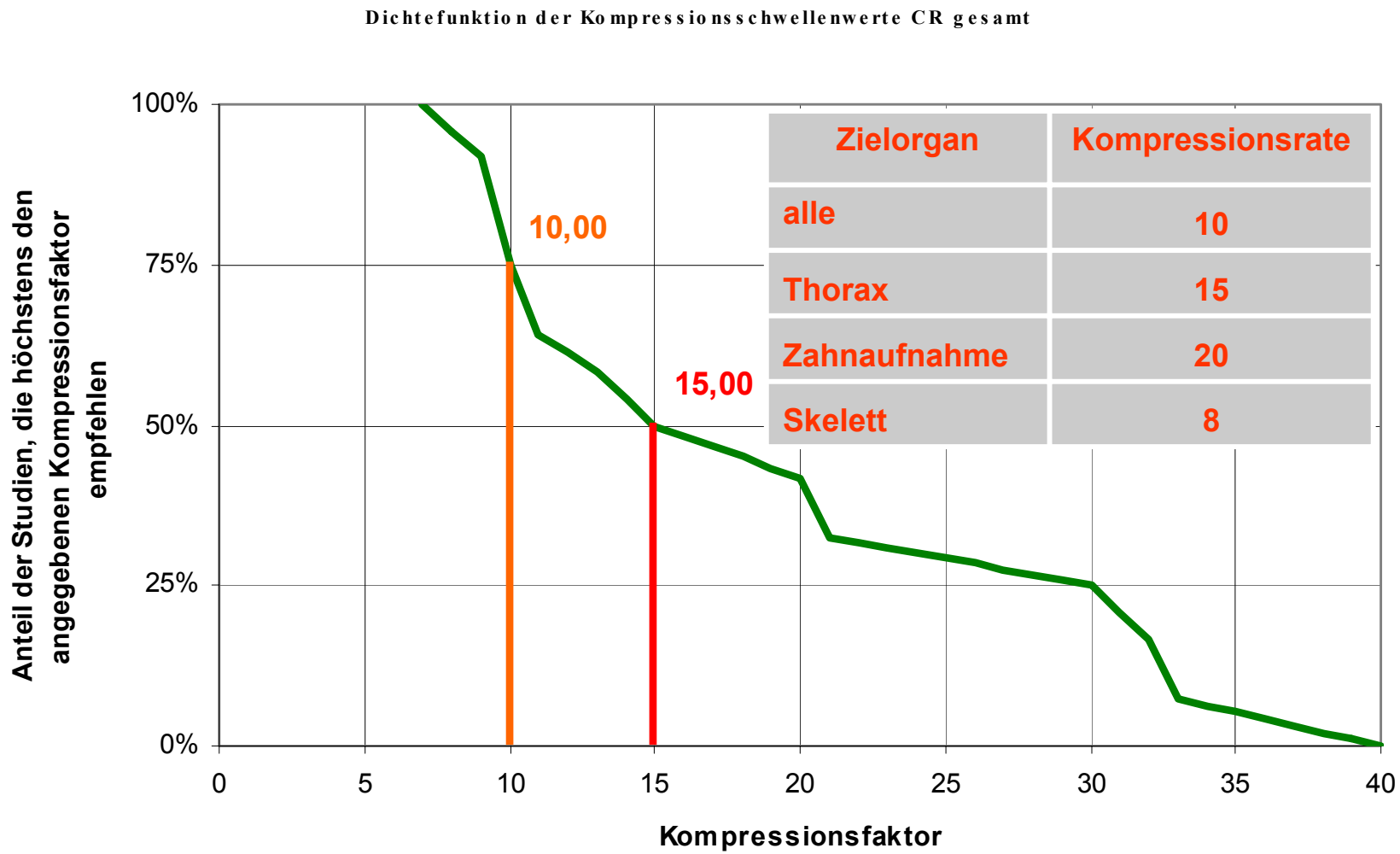


CT: Kompressionsverfahren

Reach out for the Future



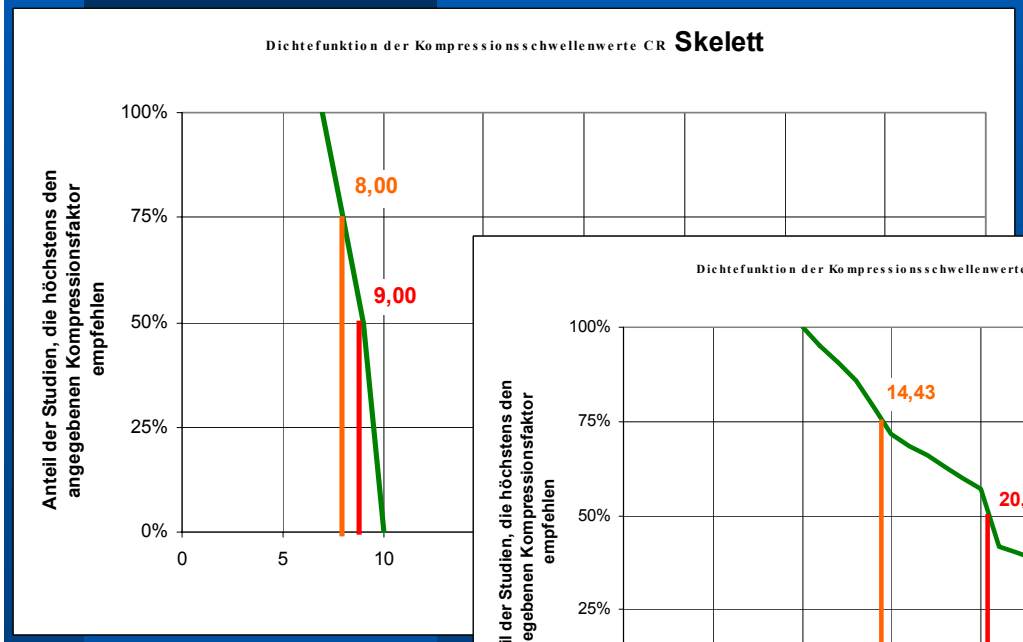
CR gesamt

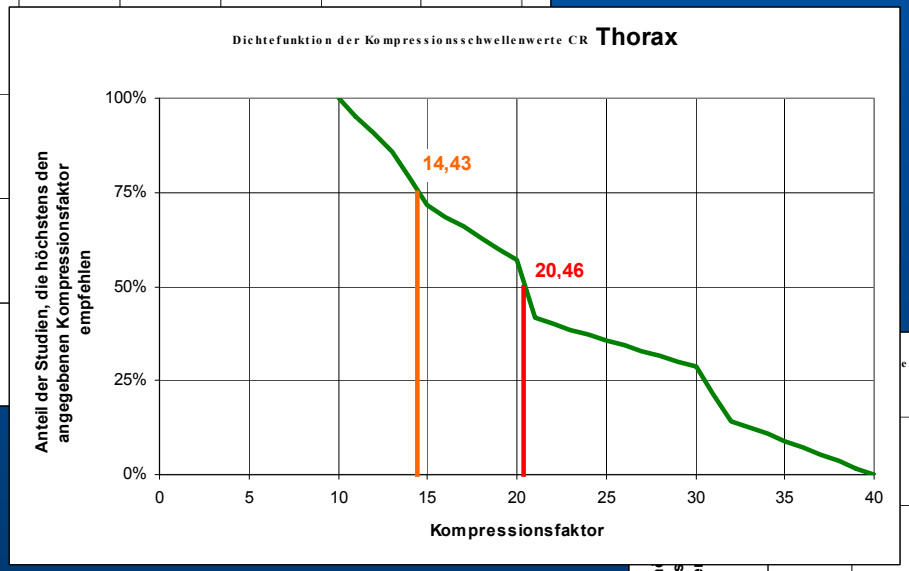


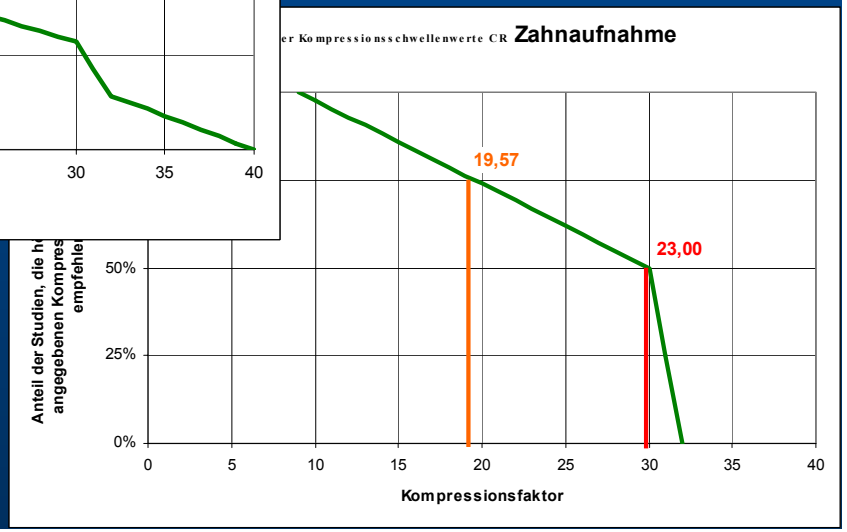
Zielorgan	Kompressionsrate
alle	10
Thorax	15
Zahnaufnahme	20
Skelett	8

CR: Skelett, Thorax, Zahn...

Reach out for the Future





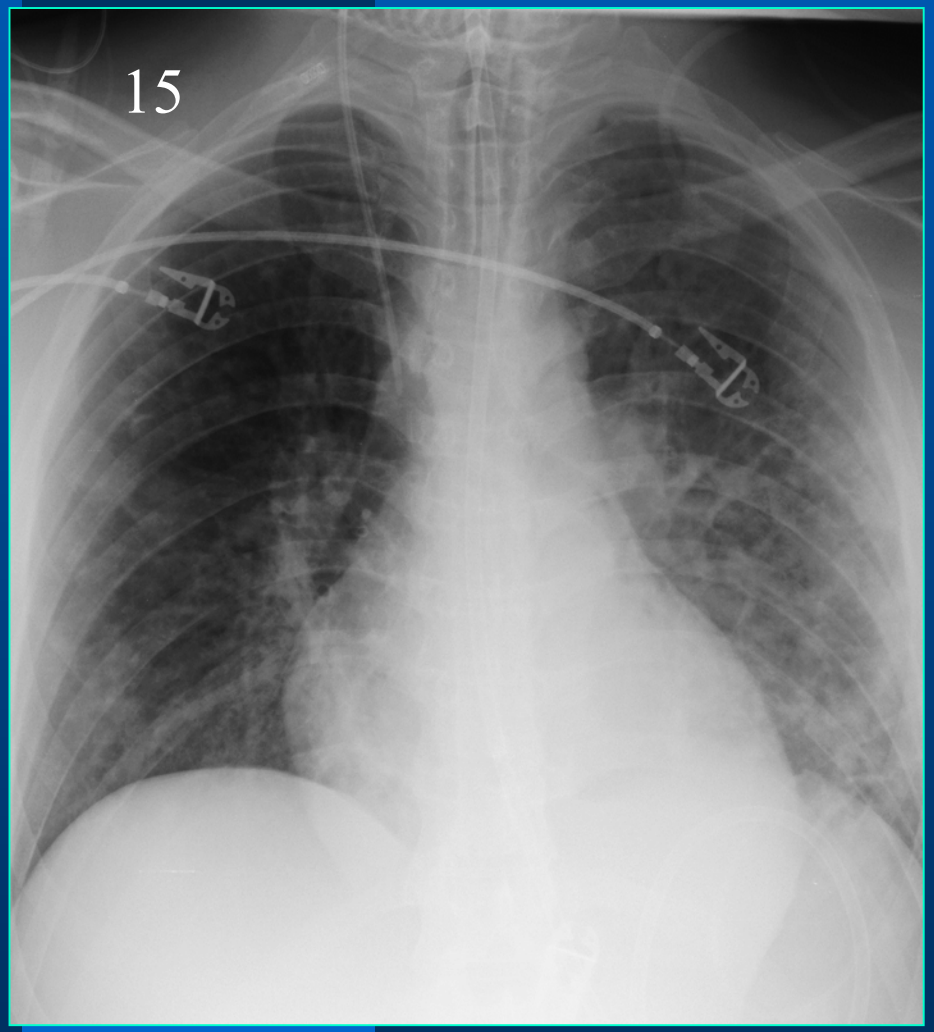


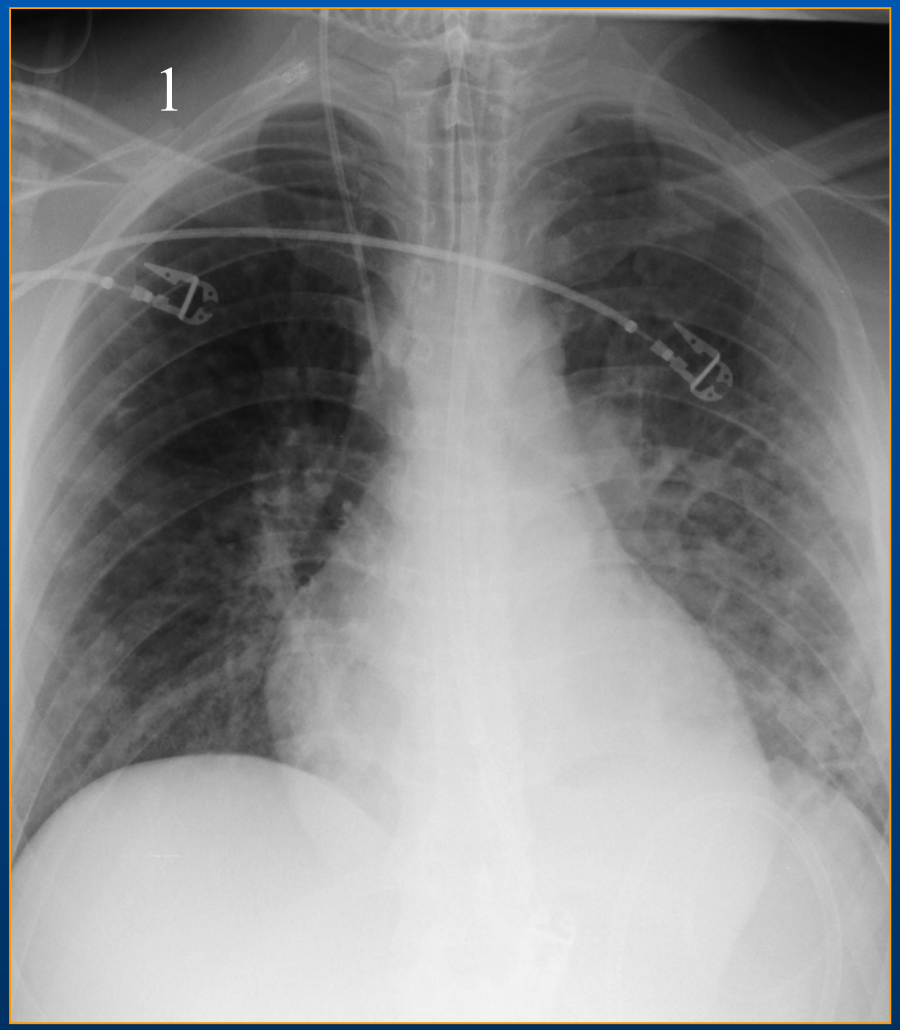
CR Skelett

Reach out for the Future

CR Thorax

Reach out for the Future





Mammographie

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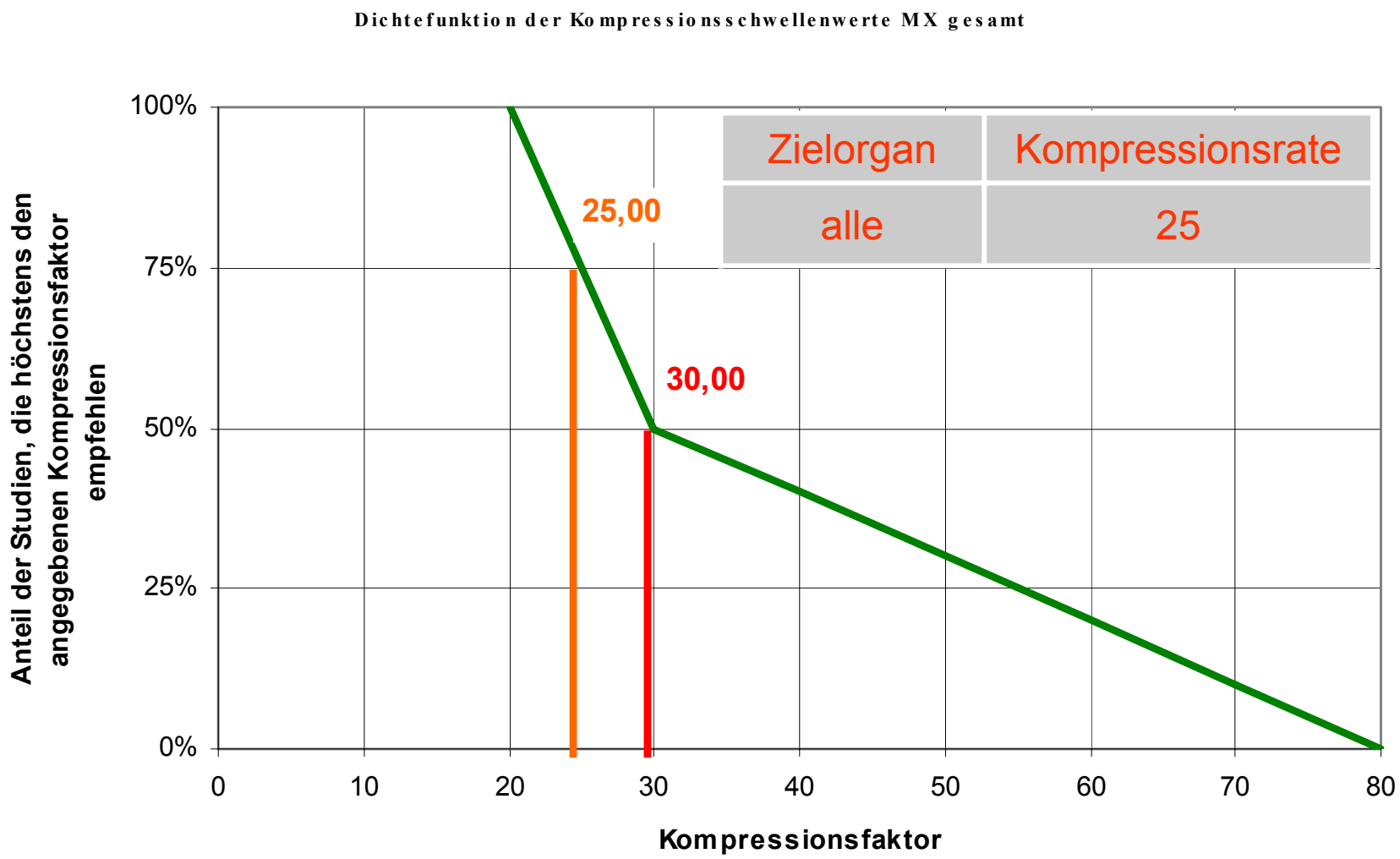
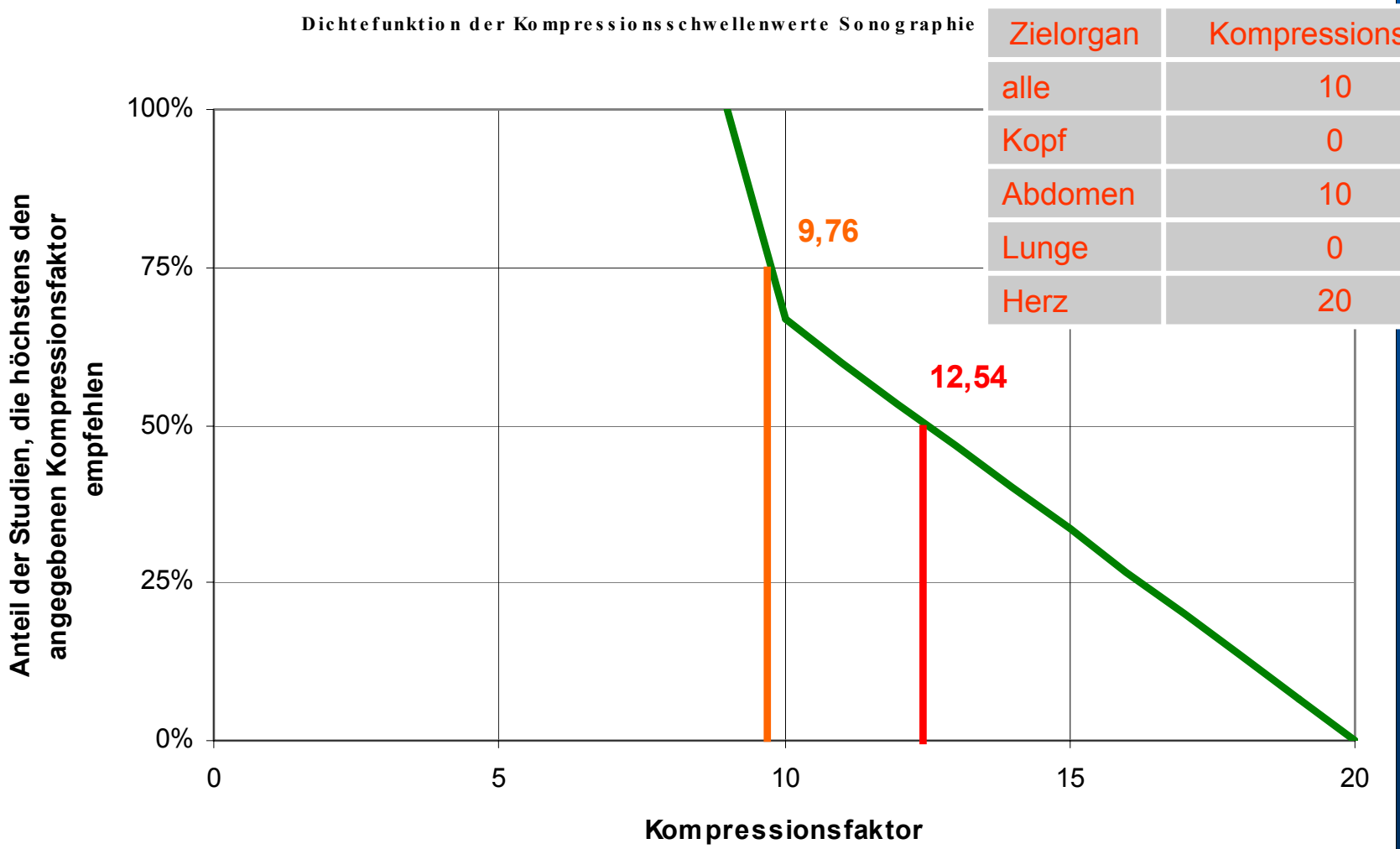


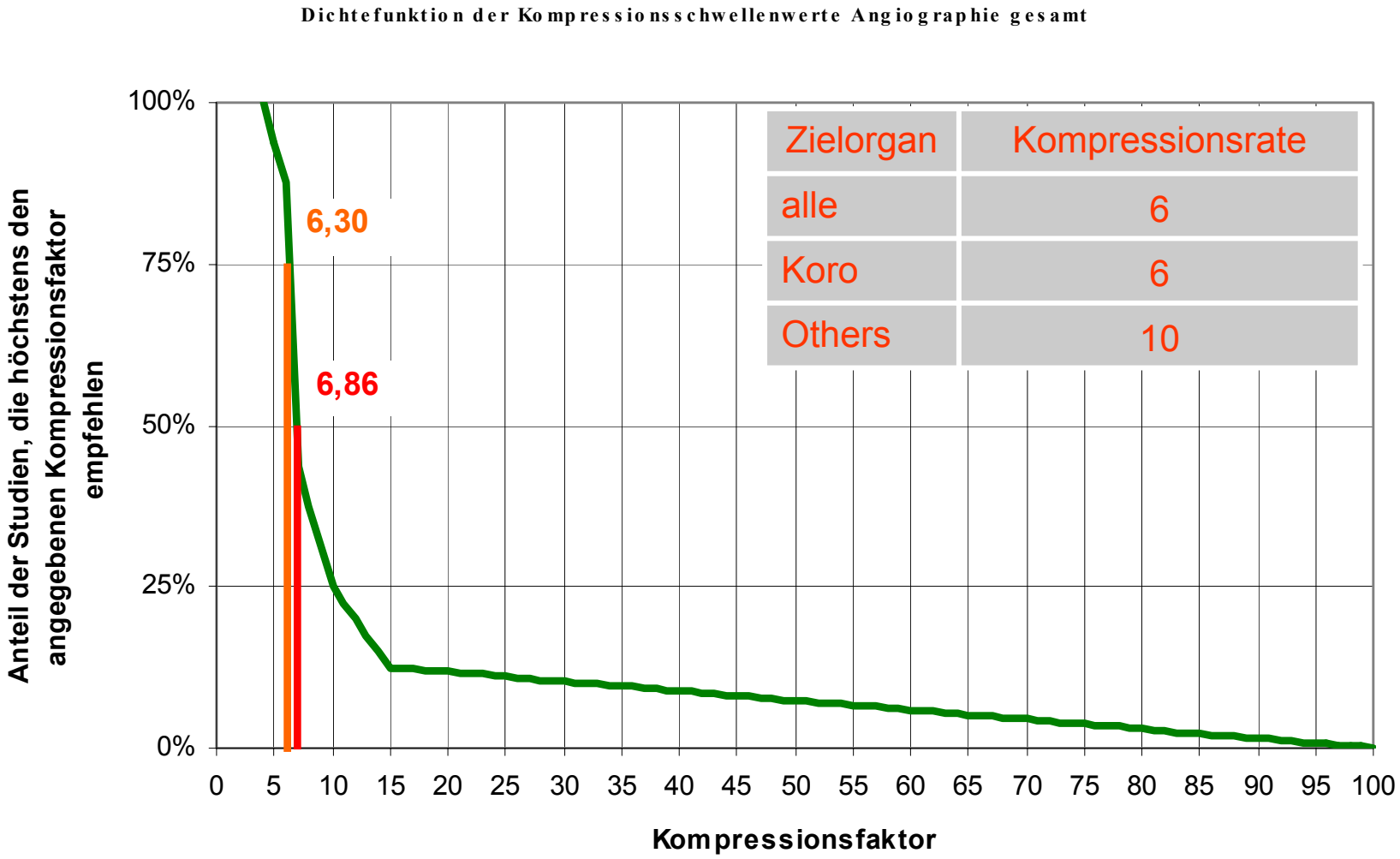
Sonografie



Zielorgan	Kompressionsrate
alle	10
Kopf	0
Abdomen	10
Lunge	0
Herz	20

Angiografie

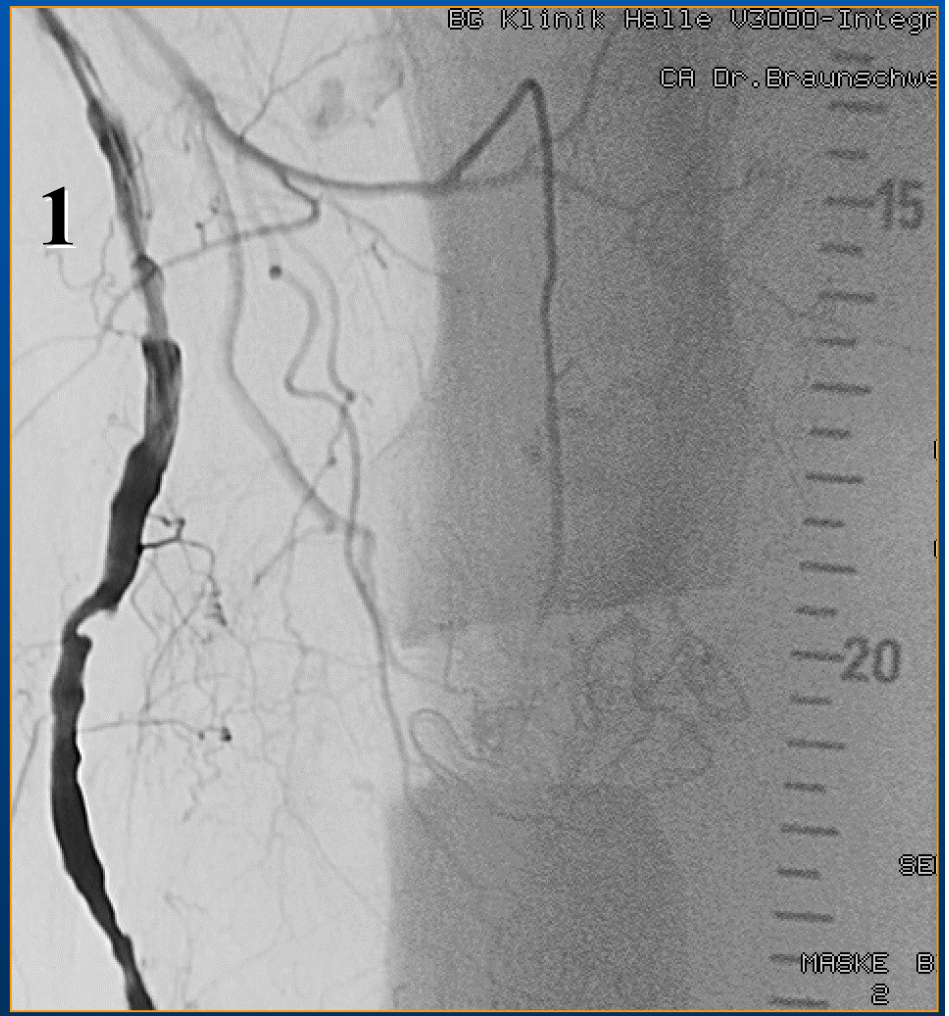
Reach out for the Future



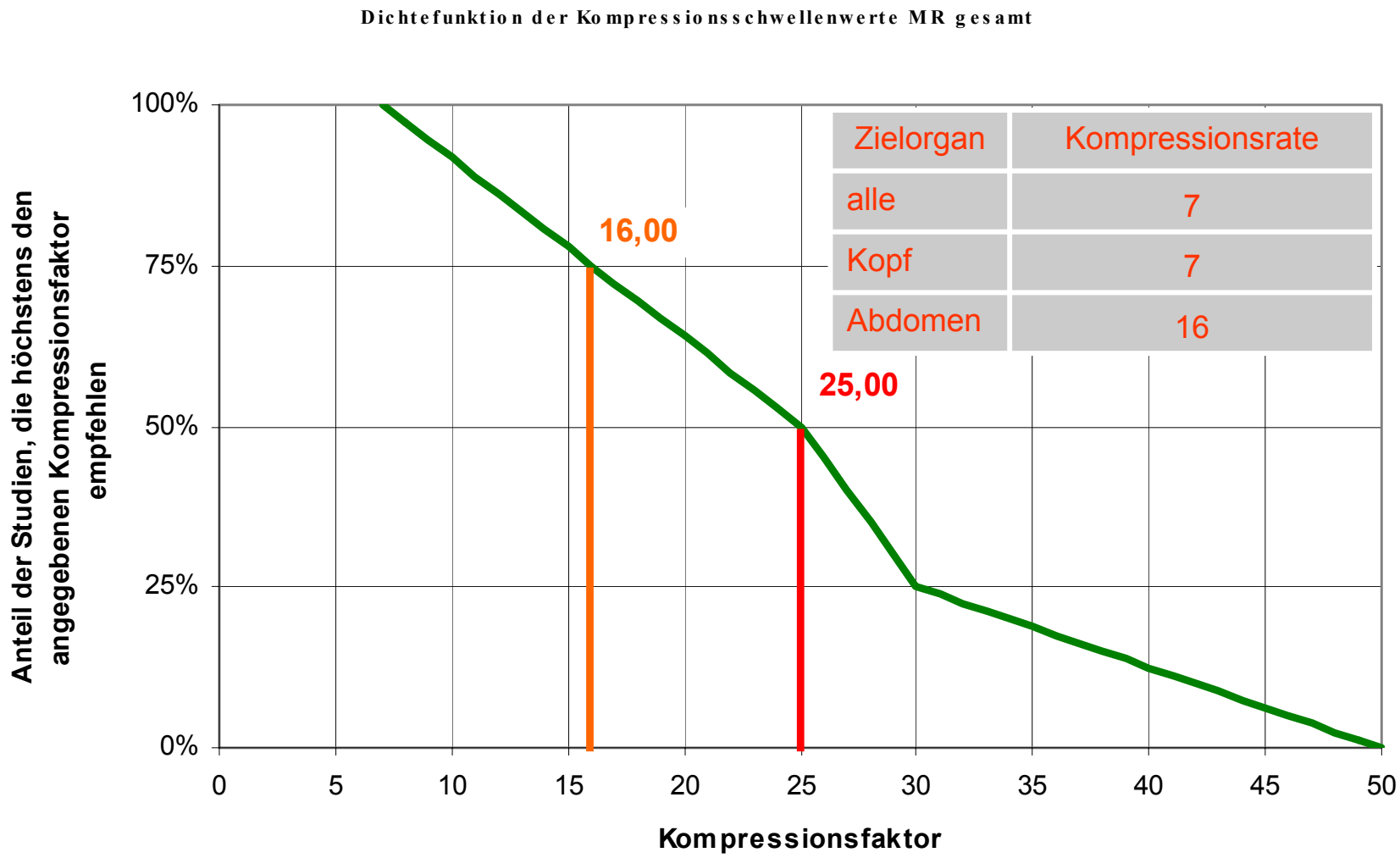
Zielorgan	Kompressionsrate
alle	6
Koro	6
Others	10

Angio

6
BG Klinik Halle V3000-Integ
CA Dr.Braunschw
15
20
MASKE
2


1
BG Klinik Halle V3000-Integr
CA Dr.Braunschwe
15
20
MASKE
2

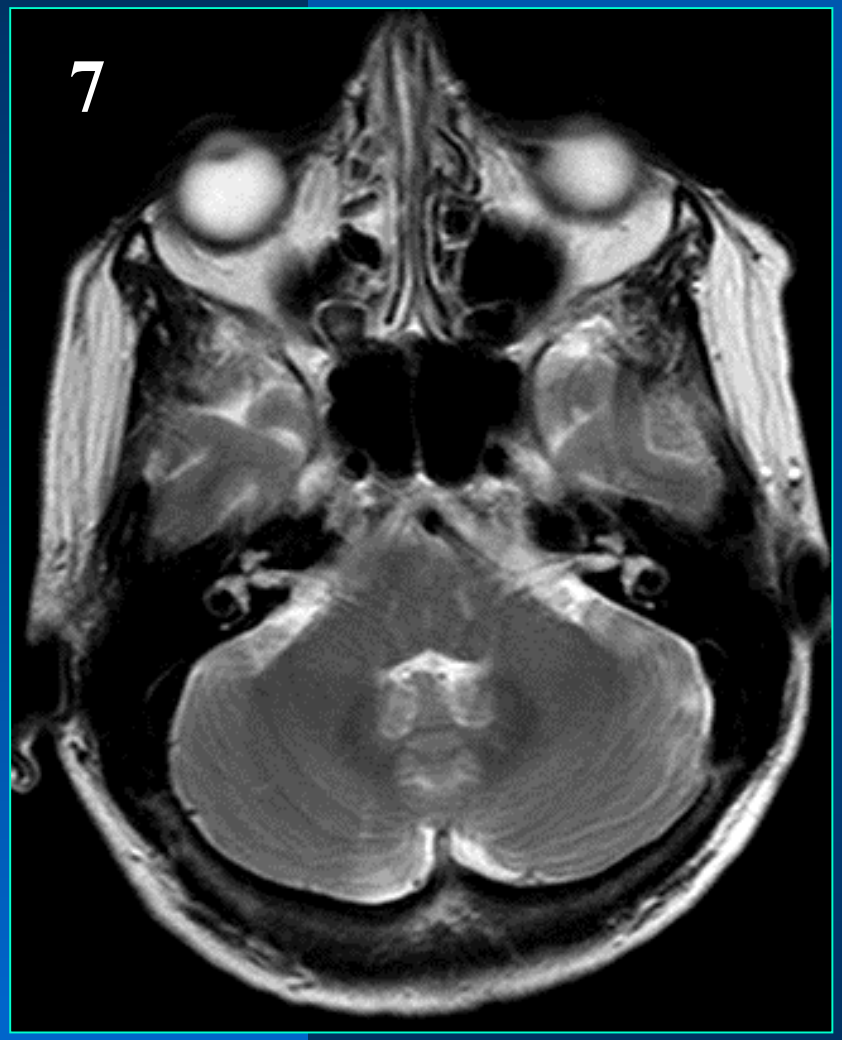
MR gesamt

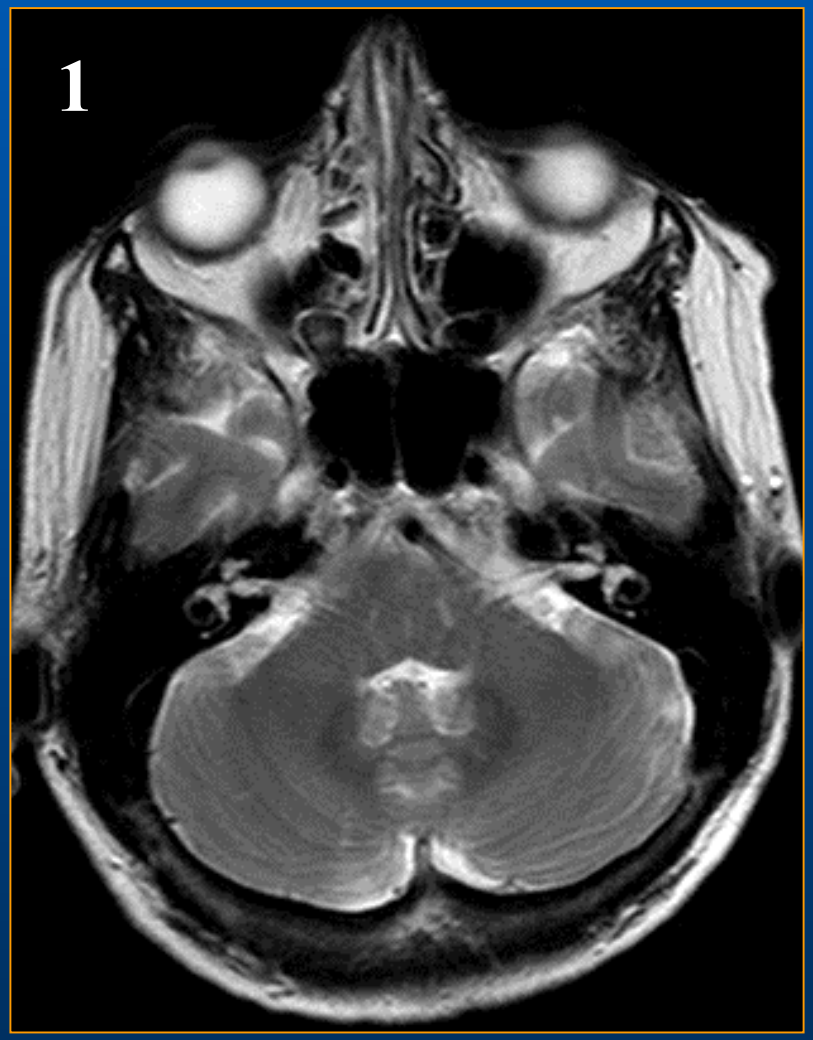


Zielorgan	Kompressionsrate
alle	7
Kopf	7
Abdomen	16

MR Kopf

Reach out for the Future





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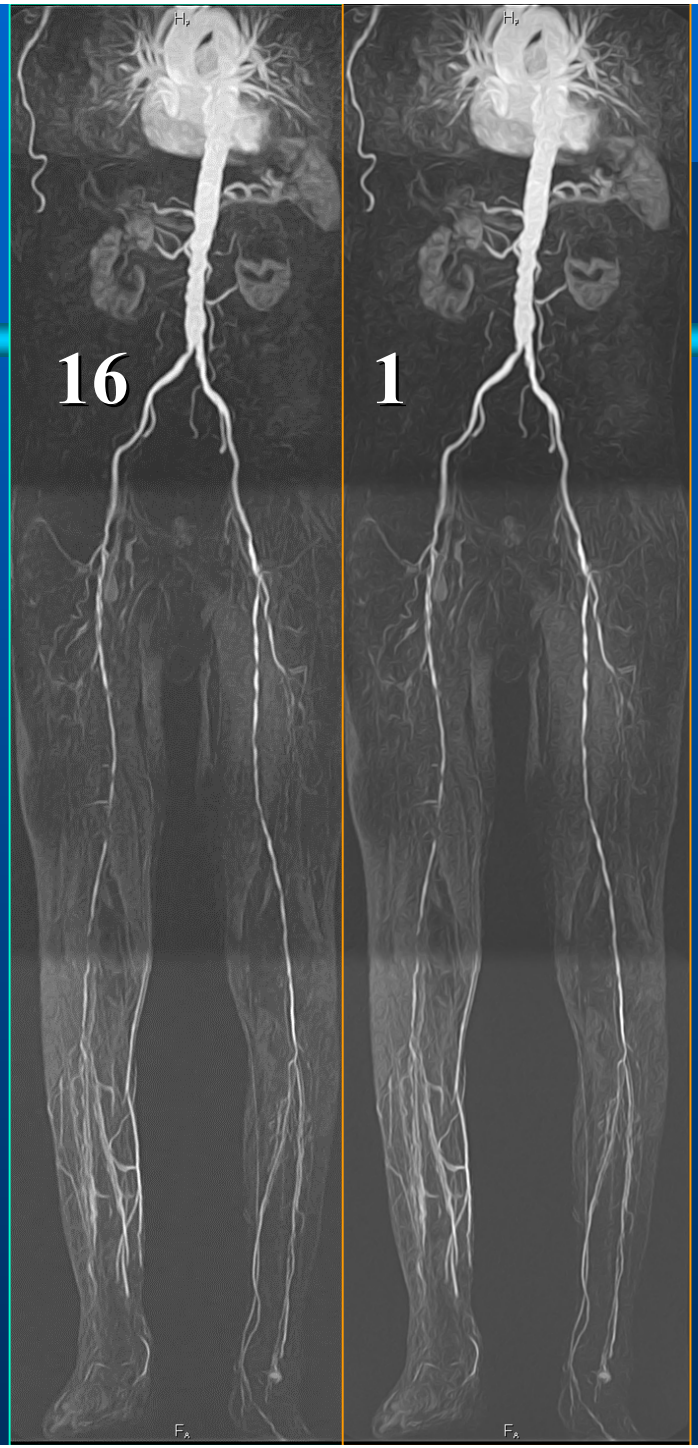

Digitales Krankenhaus

Bergmannstrost

Reach out for the Future

Danke für Ihre Aufmerksamkeit

Auditorium

- Radiologen:
- andere Fachdisziplinen:
- Technik / Physik:
- Firmen:
- Standesvertreter:

Auswertung

- Studienanzahl: 216
- Typ III-Studien: 56
- „ /Modalität

  MR 5, CT 22, CR 13
  XA 9, MMX 3, US 4
- „ /Organ
- „ /JPG + JPG 2000