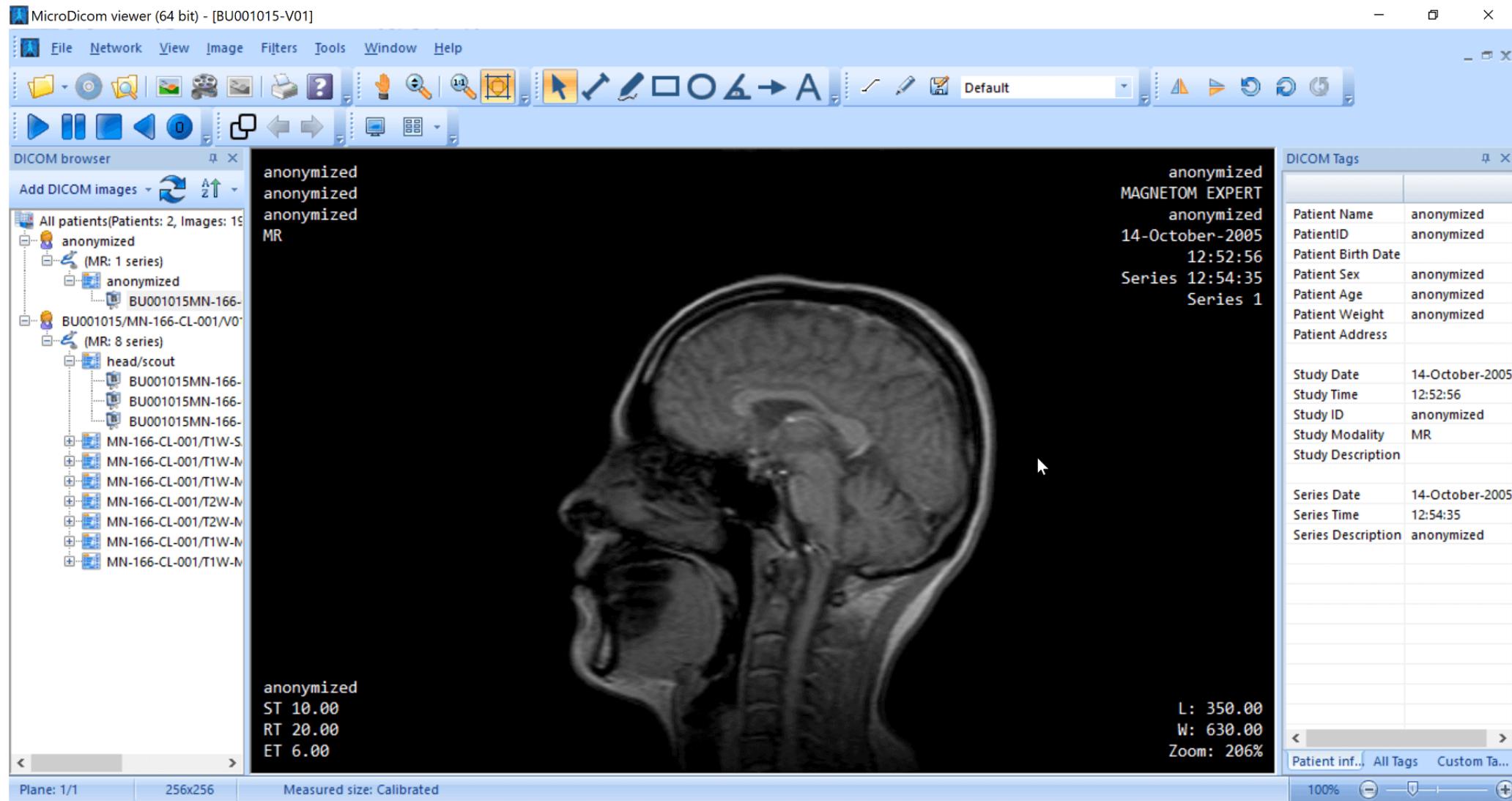


DICOM-Viewer

Demo 1

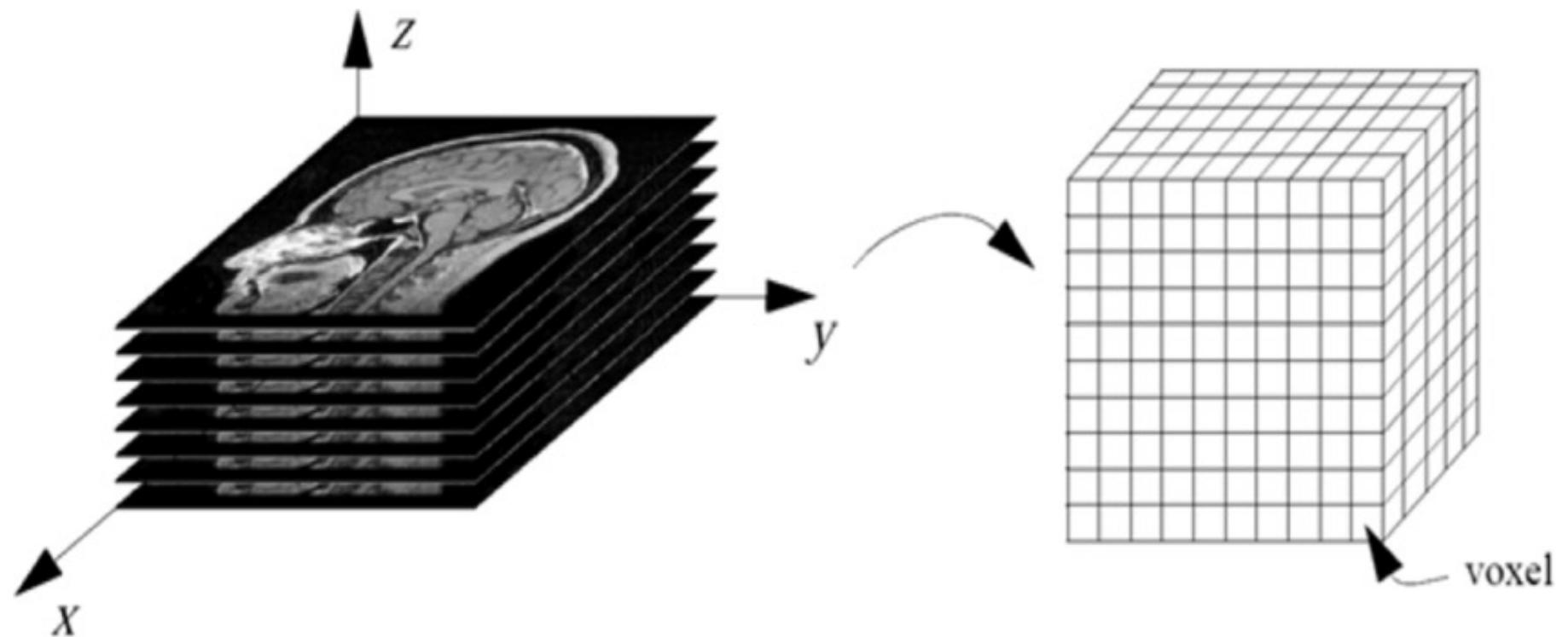
Präsentiert durch: Silas Kammler

Webbasierter DICOM Viewer



Was ist DICOM?

- Dateiformat für Medizinische Bilder
- z.B. CTGs oder MRIs



Unser Startpunkt

- Dashboard
- Datei Uploader
- Bild Vorschau
- Four Viewer

Dashboard

- Zeigt geladene DICOM-Dateien an

Medical-Blocks

5 4 SIGN OUT



Search series...

Search



idSeries	SeriesDescription	SeriesDate	SeriesTime	Modality	#Files	Size	Spacing	SliceThickness	SpacingBetween
1	flair_tse_tra_4mm	March 9th 2019	20:56:22	MR	29	448x552	0.43x0.43	4.8	4.8

Rows per page: 50 ▾ 1–1 of 1 < >

Datei Uploader

- Hochladen von DICOM-Dateien

Medical-Blocks

localhost:3000/upload

SIGN OUT

File Scanner

Drag 'n' drop some files here, or click to select files

Uploaded Files

PatientName	StudyDescription	StudyDate	#Series	Modalities	#File	FirstPath
-------------	------------------	-----------	---------	------------	-------	-----------

Rows per page: 50 ▾ 0–0 of 0 < 8 >

The screenshot shows a web browser window for the 'Medical-Blocks' application at 'localhost:3000/upload'. The header includes a logo, the title 'Medical-Blocks', and a sign-out button. A sidebar on the left contains icons for grid view, upload, 3D model, and search. The main content area features a large 'File Scanner' section with a dashed box for file uploads and a message 'Drag 'n' drop some files here, or click to select files'. Below it is an 'Uploaded Files' section with a table header and no data. At the bottom, there are pagination controls for rows per page (50) and a page number (0–0 of 0).

Bild Vorschau

- Einfache vorschau der einzelnen 2D Bilder einer DICOM-Datei
- Anschauen der einzelnen Ebenen

 Medical-Blocks

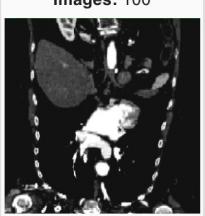
4



S_0007_ALT_ACQ
1900/04/31



S_0009_ZOOM_MONO...
2020/12/01



```
Image size: 0x0  
View size: 913x526  
x: 0 px, y: 0 px, value:0  
x: 0 mm, y: 0 mm, z:0 mm
```

Name: Unknown
StudyDescription: Unknown
ProtocolName: Unknown

Image: 0/100
Zoom: 1 %
Thickness: 2

StudyDate: Unknown
FS: Unknown
TE: Unknown TR: Unknown

9

Four Viewer

- Ansicht aus drei Perspektiven
- Mit Maus Teile des Bildes anfärben



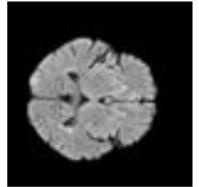
SIGN OUT



Medical-Blocks



B

flair_tse_tra_4mm
29 ImagesImage size: 512x29
View size: 449x221
x: 0 px, y: 0 px, value:0
x: 0 mm, y: 0 mm, z:0 mm
Name: Unknown
StudyDescription: Unknown
ProtocolName: UnknownImage: 225/448
Zoom: 1 %
Thickness: 2
StudyDate: Unknown
FS: Unknown
TE: Unknown TR: Unknown

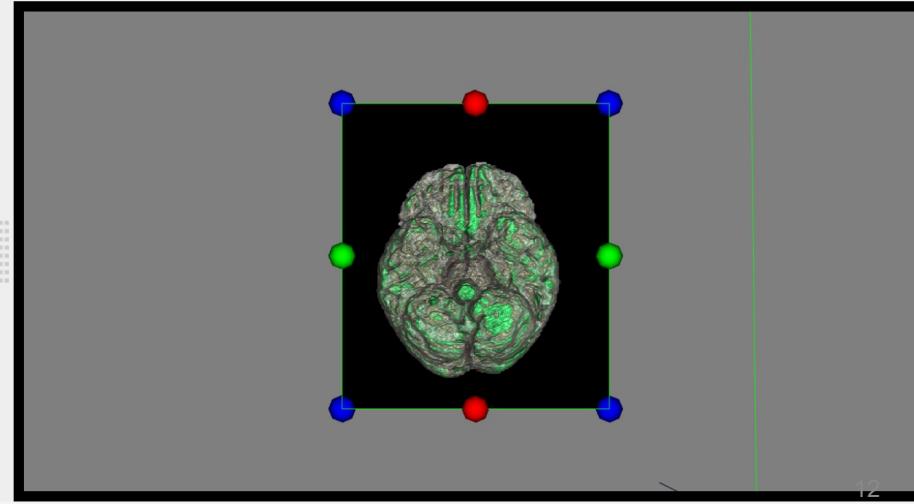
225

Image size: 448x29
View size: 449x221
x: 0 px, y: 0 px, value:0
x: 0 mm, y: 0 mm, z:0 mm
Name: Unknown
StudyDescription: Unknown
ProtocolName: UnknownImage: 257/512
Zoom: 1 %
Thickness: 2
StudyDate: Unknown
FS: Unknown
TE: Unknown TR: Unknown

257

Image size: 448x512
View size: 449x221
x: 0 px, y: 0 px, value:0
x: 0 mm, y: 0 mm, z:0 mm
Name: Unknown
StudyDescription: Unknown
ProtocolName: UnknownImage: 15/29
Zoom: 1 %
Thickness: 2
StudyDate: Unknown
FS: Unknown
TE: Unknown TR: Unknown

15



12

Neue Funktionalitäten

- Öffnen von DICOM-Dateien mit "Drag and Drop"
- Grössere Auswahl von Farben

Öffnen von DICOM-Dateien

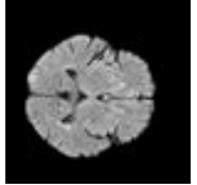
- Bestehend: Öffnen durch Mausclick
- Neuereung: Öffnen durch “Drag and Drop”



Medical-Blocks



SIGN OUT

flair_tse_tra_4mm
29 ImagesImage size: 0x0
View size: 444x221
x: 0 px, y: 0 px, value:0
x: 0 mm, y: 0 mm, z:0 mmName: Unknown
StudyDescription: Unknown
ProtocolName: UnknownImage: 0/100
Zoom: 1 %
Thickness: 2StudyDate: Unknown
FS: Unknown
TE: Unknown TR: UnknownName: Unknown
StudyDescription: Unknown
ProtocolName: UnknownImage size: 0x0
View size: 444x221
x: 0 px, y: 0 px, value:0
x: 0 mm, y: 0 mm, z:0 mmImage: 0/100
Zoom: 1 %
Thickness: 2StudyDate: Unknown
FS: Unknown
TE: Unknown TR: UnknownImage size: 0x0
View size: 444x221
x: 0 px, y: 0 px, value:0
x: 0 mm, y: 0 mm, z:0 mmName: Unknown
StudyDescription: Unknown
ProtocolName: UnknownImage: 0/100
Zoom: 1 %
Thickness: 2StudyDate: Unknown
FS: Unknown
TE: Unknown TR: Unknown



Medical-Blocks



SIGN OUT



flair_tse_tra_4mm
29 Images

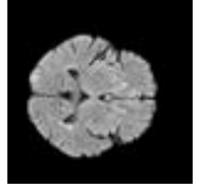


Image size: 0x0
View size: 444x221
x: 0 px, y: 0 px, value:0
x: 0 mm, y: 0 mm, z:0 mm

Name: Unknown
StudyDescription: Unknown
ProtocolName: Unknown

Image: 0/100
Zoom: 1 %
Thickness: 2

StudyDate: Unknown
FS: Unknown
TE: Unknown TR: Unknown

Image size: 0x0
View size: 444x221
x: 0 px, y: 0 px, value:0
x: 0 mm, y: 0 mm, z:0 mm

Name: Unknown
StudyDescription: Unknown
ProtocolName: Unknown

Image: 0/100
Zoom: 1 %
Thickness: 2

StudyDate: Unknown
FS: Unknown
TE: Unknown TR: Unknown

Image size: 0x0
View size: 444x221
x: 0 px, y: 0 px, value:0
x: 0 mm, y: 0 mm, z:0 mm

Name: Unknown
StudyDescription: Unknown
ProtocolName: Unknown

Image: 0/100
Zoom: 1 %
Thickness: 2

StudyDate: Unknown
FS: Unknown
TE: Unknown TR: Unknown



Zeichnen

- Bestehend: Farbmenu, mit 20 Farben zur Auswahl
- Neuerung: Auswahl aus Spektrum von Farben



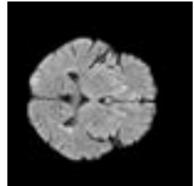
SIGN OUT



Medical-Blocks



B

flair_tse_tra_4mm
29 ImagesImage size: 512x29
View size: 444x221
x: 0 px, y: 0 px, value:0
x: 193.41 mm, y: -499.91 mm,
z:-36.21 mm

P

S

Name: Unknown
StudyDescription: Unknown
ProtocolName: UnknownStudyDate: Unknown
FS: Unknown
TE: Unknown TR: UnknownImage: 225/448
Zoom: 1 %
Thickness: 2

I

Image size: 448x29
View size: 444x221
x: 139 px, y: 20 px, value:266
x: 238.95 mm, y: -204.39 mm,
z:0.99 mm

L

Name: Unknown
StudyDescription: Unknown
ProtocolName: UnknownStudyDate: Unknown
FS: Unknown
TE: Unknown TR: UnknownStudyDate: Unknown
FS: Unknown
TE: Unknown TR: UnknownImage: 257/512
Zoom: 1 %
Thickness: 2

I

R

225

257

Image size: 448x512
View size: 444x221
x: 0 px, y: 0 px, value:0
x: 0 mm, y: 0 mm, z:0 mm

P

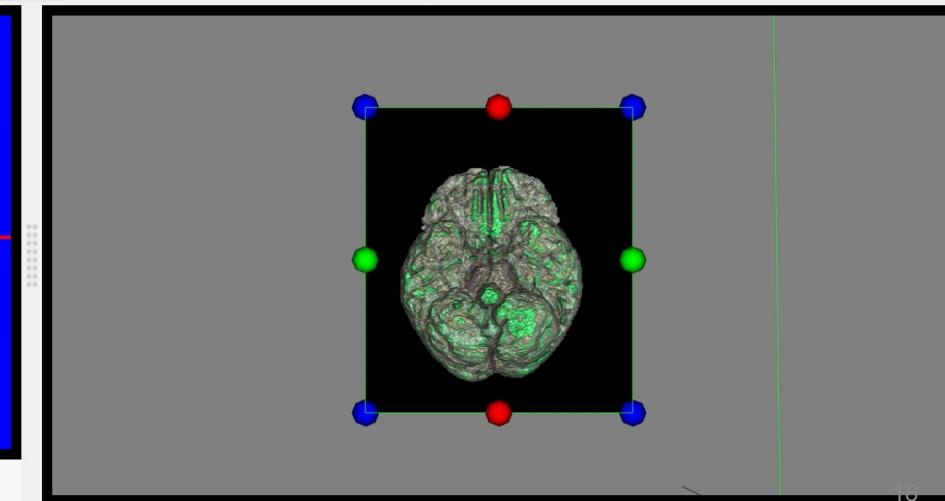
R

Name: Unknown
StudyDescription: Unknown
ProtocolName: UnknownImage: 15/29
Zoom: 1 %
Thickness: 2

L

StudyDate: Unknown
FS: Unknown
TE: Unknown TR: Unknown

15



10

Ausblick

- Brush Funktionalität erweitern
- Verschiedene Dateien zusammen anzeigen

Image size: 512x29

View size: 908x481

x: 314 px, y: 0 px, value:0

x: 189.08 mm, y: -222.02 mm, z:-92.74 mm

Name: Unknown

StudyDescription: Unknown

ProtocolName: Unknown

P

S

A

I

Image: 225/448

Zoom: 1 %

Thickness: 2

StudyDate: Unknown

FS: Unknown

TE: Unknown TR: Unknown

Vielen Dank fürs Zuhören!