

# MR Perfusion

- Syngio Via
- View relative CBV
- FUSE
  - Drag MPRAGE to window
  - Right click and drag CCBV to same window: select Fuse
- Better for WM lesion
- Avoid Cortex
- Measure ROI MAX and compare to contralateral WM
- ROI = 1 cm
- If ratio > 2, susp for tumor

# Relative CBV (image to read)

000000001195615  
\*10/2/1956, M, 66Y

CURRENT

2/14/2023

REL CBV\_LOCAL\_ep2d\_perf\_p2\_MoCo  
latest

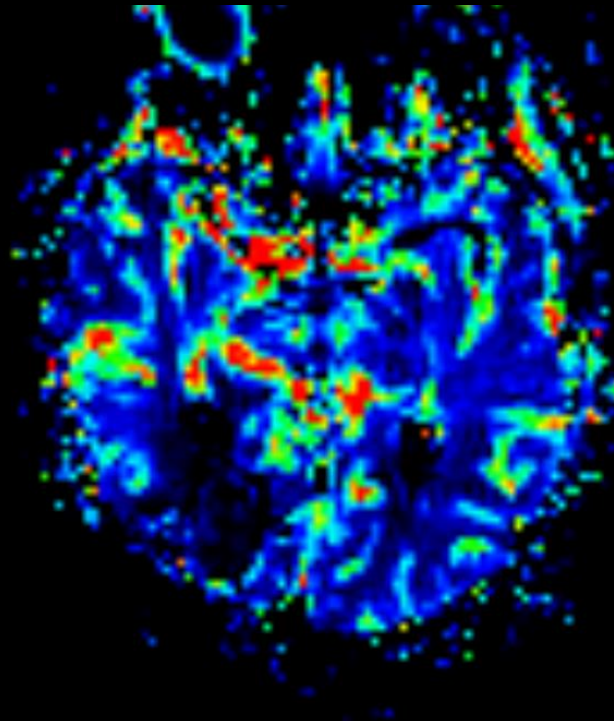
# MRI230214-1414  
STUDY ID 12xyg1hwjw  
9:48:53 AM  
1011 IMA 1 FRM 14/29

R

2D  
SL 4.0  
SPC 5.2

TR 2040.0  
TE 30.0  
TA 02:20  
BW 1445.0  
p2 PERF/RCBV/RESAMPLED

A1/FS  
HE1-4  
\*epfid2d1\_128 / 90



Ref.: BOLDT, GREGORY, B.

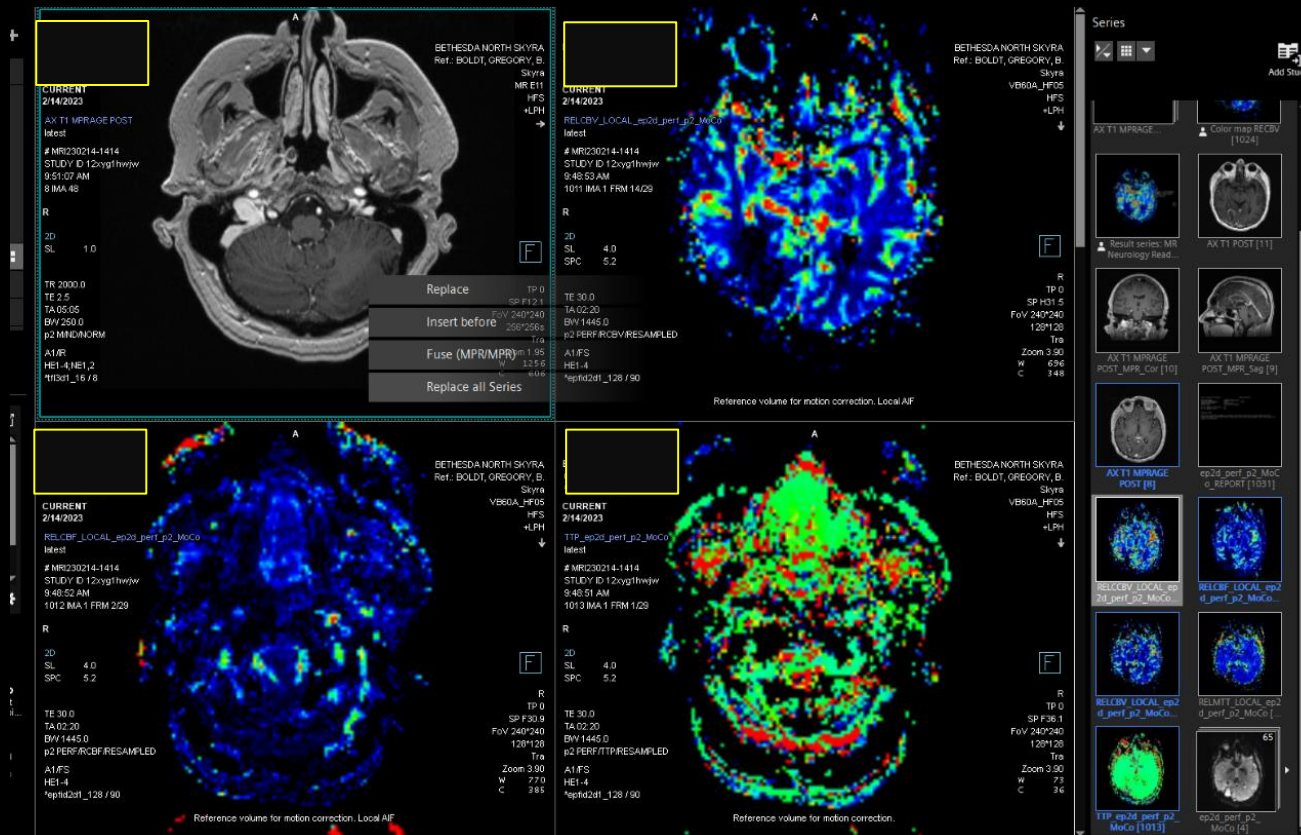
Skyra  
VB60A\_HF05  
HFS  
+LPH  
↓

1cm

F

R  
TP 0  
SP H31.5  
FoV 240\*240  
128\*128  
Tra  
Zoom 7.80  
W 696  
C 348

# Fuse MPRAGE & CBV



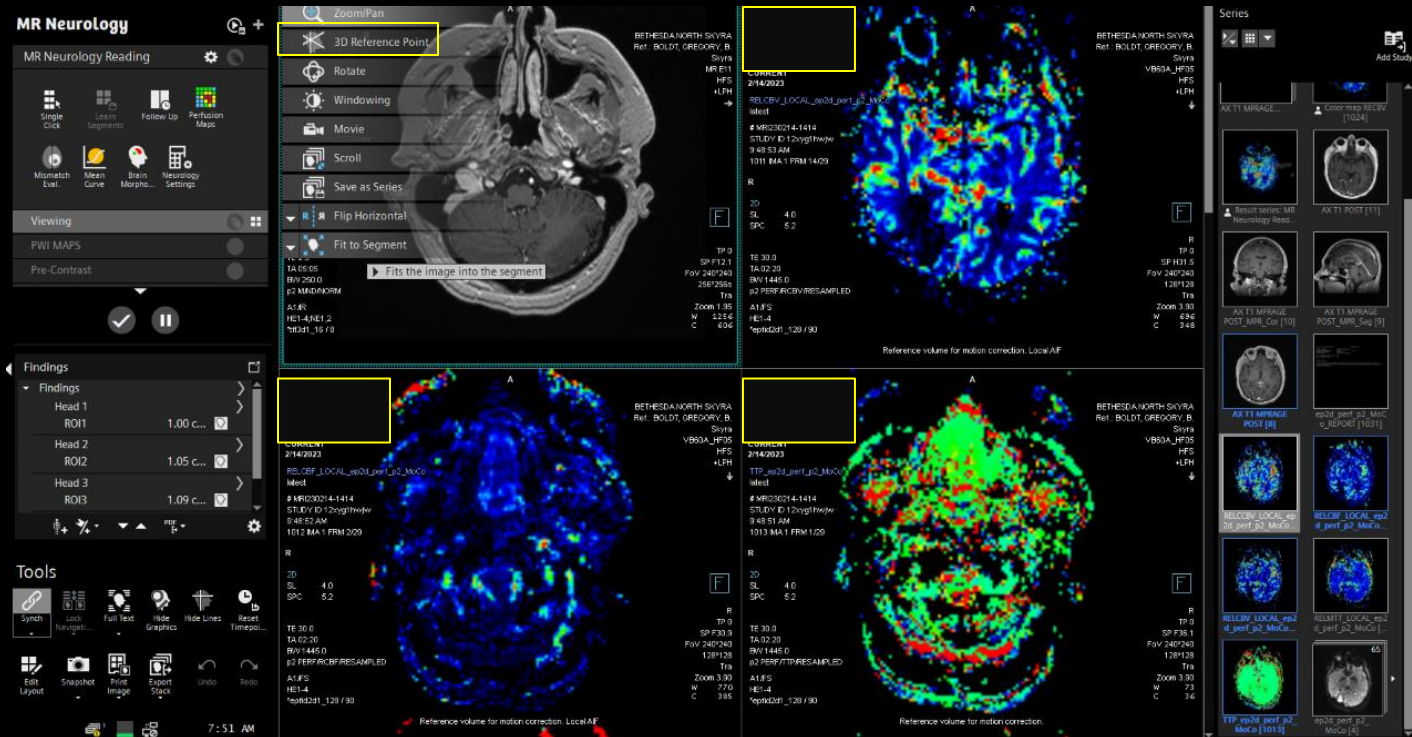
- Drag MPRAGE to Right upper
- Right click and drag CBV to same window
- Select Fuse

# Select Color Fuse Map

The screenshot displays a medical imaging software interface, likely for MRI analysis. The central viewing area shows a brain scan with a color fusion map overlaid, indicating areas of interest. The interface is divided into several panels:

- Left Sidebar:** Contains a 'MR Neurology Reading' section with icons for 'Single Click', 'Learn Segments', 'Follow up', 'Perfusion Maps', 'Mismatch Eval', 'Mean Curve', 'Brain Morpho', and 'Neurology Settings'. Below this is a 'Viewing' section with 'PWI MAPS' and 'Pre-Contrast' options. The 'Findings' section lists 'Head 1', 'Head 2', and 'Head 3' with associated 'ROI' and 'C...' values. The 'Tools' section includes icons for 'Synchron', 'Lock Navigat...', 'Full View', 'Hide Graphics', 'Hide Lines', 'Reset Timep...', 'Edit Layout', 'Screenshot', 'Print Image', 'Export Stack', 'Undo', and 'Redo'.
- Central Viewing Area:** Displays a brain scan with a color fusion map. The map shows a spectrum of colors (red, yellow, green, blue) representing different perfusion values. A yellow box highlights the 'Spectrum 10 Step' color map in the 'Tools' section of the left sidebar.
- Right Sidebar:** Contains a 'Series' list with various brain scan series, including 'MR1000', 'MR1001', 'MR1002', 'MR1003', 'MR1004', 'MR1005', 'MR1006', 'MR1007', 'MR1008', 'MR1009', 'MR1010', 'MR1011', 'MR1012', 'MR1013', 'MR1014', 'MR1015', 'MR1016', 'MR1017', 'MR1018', 'MR1019', 'MR1020', 'MR1021', 'MR1022', 'MR1023', 'MR1024', 'MR1025', 'MR1026', 'MR1027', 'MR1028', 'MR1029', 'MR1030', 'MR1031', 'MR1032', 'MR1033', 'MR1034', 'MR1035', 'MR1036', 'MR1037', 'MR1038', 'MR1039', 'MR1040', 'MR1041', 'MR1042', 'MR1043', 'MR1044', 'MR1045', 'MR1046', 'MR1047', 'MR1048', 'MR1049', 'MR1050', 'MR1051', 'MR1052', 'MR1053', 'MR1054', 'MR1055', 'MR1056', 'MR1057', 'MR1058', 'MR1059', 'MR1060', 'MR1061', 'MR1062', 'MR1063', 'MR1064', 'MR1065', 'MR1066', 'MR1067', 'MR1068', 'MR1069', 'MR1070', 'MR1071', 'MR1072', 'MR1073', 'MR1074', 'MR1075', 'MR1076', 'MR1077', 'MR1078', 'MR1079', 'MR1080', 'MR1081', 'MR1082', 'MR1083', 'MR1084', 'MR1085', 'MR1086', 'MR1087', 'MR1088', 'MR1089', 'MR1090', 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# 3D locator Fuse -> CBV







# Export Series (right click)

**MR Neurology**

MR Neurology Reading

Single Click, Learn Segments, Follow Up, Perfusion Maps

Monarch Eval, Mean Curve, Brain Morpho..., Neurology Settings

Viewing

PWI MAPS

Pre-Contrast

**Findings**

- Head 1
- ROI1 1.00 c...
- Head 2
- ROI2 1.05 c...
- Head 3
- ROI3 1.09 c...

**Tools**

Synch, Lock, Navipath, Full Text, Hide Graphics, Hide Lines, Reset Timepoint, Edit Layout, Snapshot, Print Image, Export Stack, Undo, Redo

7:56 AM

**Series**

AX T1 MPRAGE POST [1024]

Color map RECV [1024]

Result series: MR Neurology Read...

AX T1 POST [11]

AX T1 MPRAGE POST\_MPR\_Cor [10]

AX T1 MPRAGE POST\_MPR\_Sag [9]

ep2d\_perf\_p2\_MoCo u\_REPORT [103.1]

RECBF\_LOCAL\_ep2d\_perf\_p2\_MoCo [101.3]

RECBF\_LOCAL\_ep2d\_perf\_p2\_MoCo [4]

TEP ep2d\_perf\_p2\_MoCo [101.3]

ep2d\_perf\_p2\_MoCo [4]

**Export Series**

**Print Series**