ziosoft

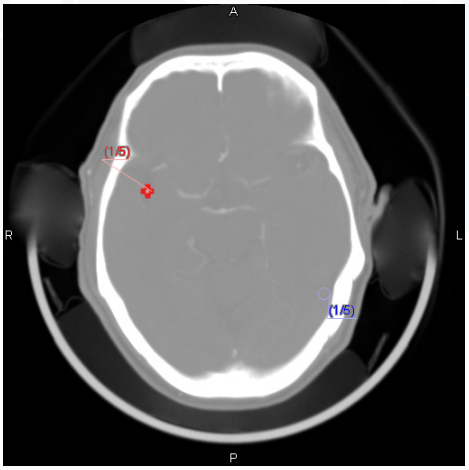
CT Perfusion Analysis

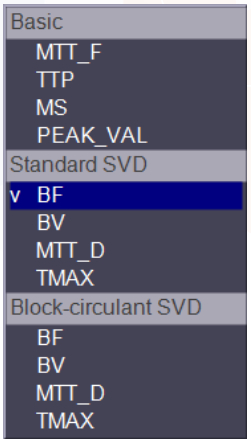
From Head to Torso, Perfusion Capabilities for Lower Slice Scanners

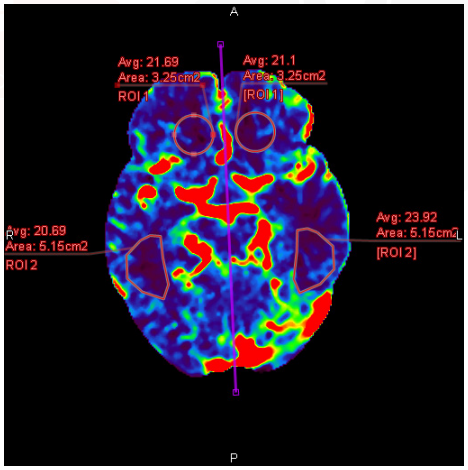
Analyze up to forty multi-slice slabs for standard perfusion indices, using several algorithms to view three maps at a time. Single Compartment method (with Fv, Tau and R2 maps) is available for use in the torso, and standard and block-circulant deconvolution methods (with BF, BV, MTT and Tmax maps) are available for brain studies.

Key features:

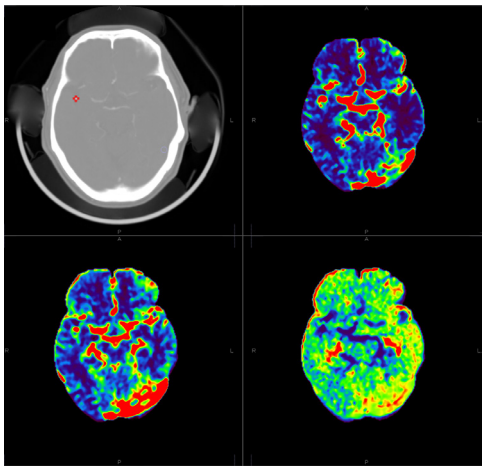
- Automated or manual AIF / VOF identification and selection
- Motion correction
- Calculations complete within seconds
- Automated mirroring of ROIs about the centerline of a structure
- ROI templates around brain parenchyma available
- Multiple algorithms available for use







ROI (Area)	Image	Average	SD	Max	Min
ROI 1 (325.16)	Original	33.41	5.36	49.00	15.00
	BF_sSVD	21.69	9.04	63.32	6.77
	BV_sSVD	1.84	0.58	3.71	0.62
	MTT_sSVD	5.41	1.45	9.99	2.55
[ROI 1] (325.16)	Original	35.27	6.21	62.00	19.00
	BF_sSVD	21.10	10.54	51.87	7.60
	BV_sSVD	1.85	0.83	5.39	0.75
	MTT_sSVD	5.49	1.09	9.05	2.81
ROI 2 (515.19)	Original	34.66	5.13	52.00	18.00
	BF_sSVD	20.69	8.74	55.49	8.55
	BV_sSVD	1.87	0.83	6.07	0.77
	MTT_sSVD	5.69	1.86	13.83	2.50
[ROI 2] (515.19)	Original	37.83	6.36	61.00	19.00
	BF_sSVD	23.92	10.36	69.20	9.44
	BV_sSVD	2.37	1.10	6.13	0.84
	MTT_sSVD	6.12	1.86	14.50	3.09



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