Diffusion Weighted Imaging (DWI) – ADC

BRAIN

DESCRIPTION

Quibim's app enables to automatically calculate the apparent diffusion coefficient (ADC) to quantify the diffusion of water molecules in tissues.

The app provides information on the cellular and microstructural organization of tissues and highlights the relationship between pathological changes and the diffusion of water molecules.

This app is useful for the characterization of tumoral processes to improve early detection, diagnosis, treatment response evaluation and follow-up of patients with gliomas, meningiomas and lymphomas as well as ischemic injuries.

DISEASES

Brain cancer including:

- Gliomas
- Meningiomas
- Lymphomas
- Ischemic injuries

REFERENCES

Martí-Bonmatí L, Ramírez-Fuentes C, Alberich-Bayarri Á, Ruiz-Llorca C. State-of-the-art of bone marrow imaging in multiple myeloma. Curr Opin Oncol. 2015 Nov; 27(6): 540-50.

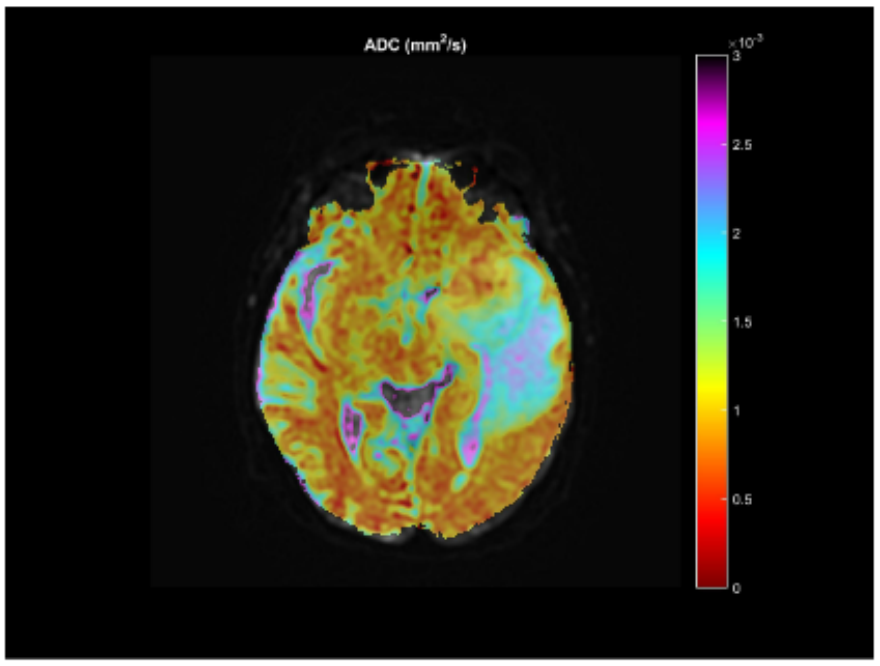
Quibim

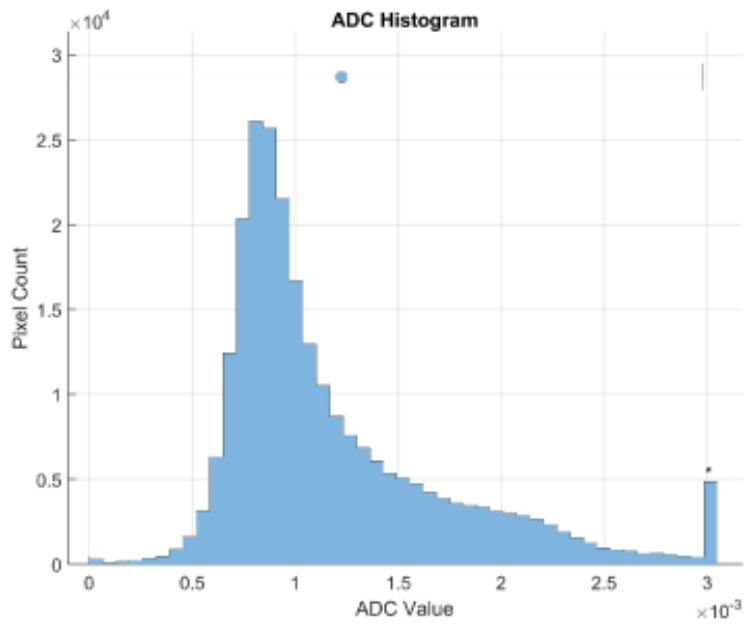
Brain

Diffusion Weighted Imaging (DWI) - ADC

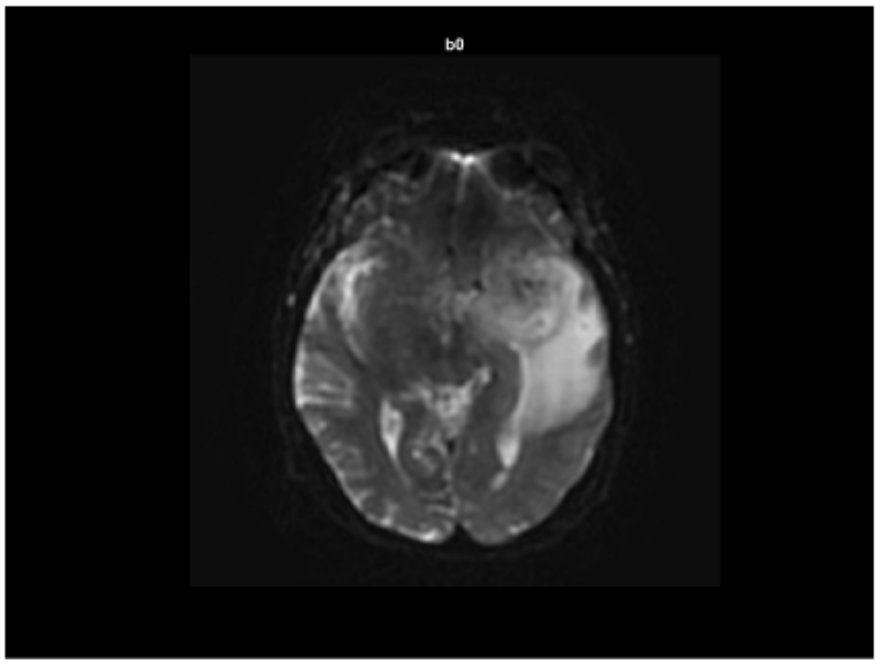
Imaging Center	PAT5	Patient Name	Glioblastoma
Modality	MR	Patient ID	

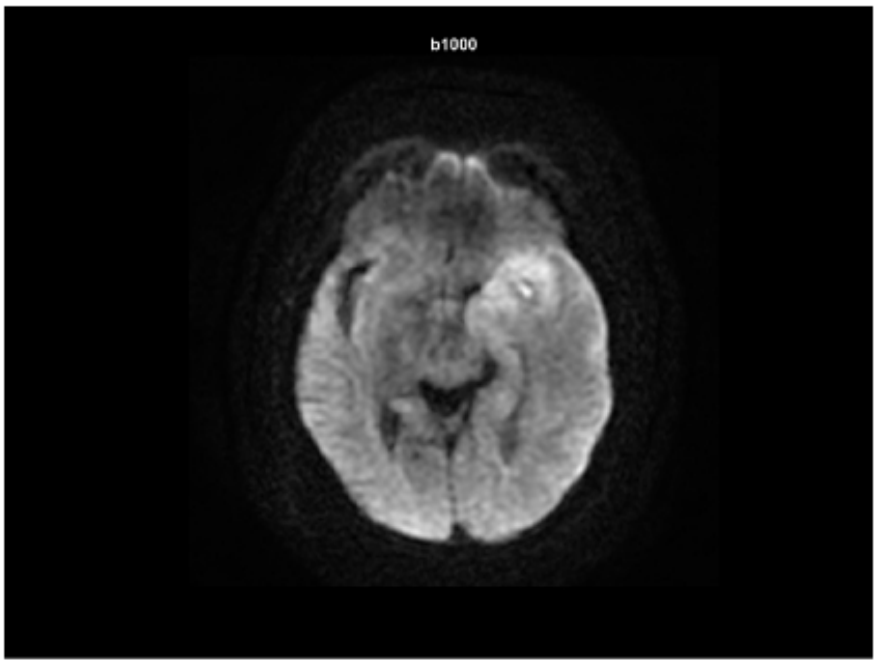
Study Description	RM111 - RM CEREBRAL	Patient Sex	F
Study Date	11/04/2016	Birthdate	





Min-Max b-values





	ADC [mm²/s]
Mean ± Std	1.22e-03 ± 1.75e-03
Median	9.95e-04
P25	8.19e-04
P75	1.42e-03

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