



Advances in the Diagnosis and Treatment of Brain Damage

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Message from the Guest Editor

There are multiple pathophysiological conditions, including neurovascular diseases, neuro-trauma, infectious diseases, neurodegenerative diseases, tumors, and neuroinflammation, which lead to brain damage and are associated with various clinical symptoms. Although huge advances with regards to molecular diagnostics and MRI have been made during clinical work-up, differential diagnoses might still be challenging, it is often difficult to predict future disease courses, and the clinical presentation is not always reflected by corresponding brain lesions on MRI. Despite growing treatment options that address direct pathophysiological mechanisms, the brain is a highly complex organ that is still challenging to treat and multiple diseases can only be treated symptomatically.

With this Special Issue, we hope to encourage submissions that discuss the current state-of-the-art of both clinical and radiological features of brain damage, molecular aspects (such as serum or CSF markers in different diseases), newly evolving diagnostic tools, and therapies (such as neuro-regenerative treatments), as well as address challenges and ongoing controversies.





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