

Advanced Neuroimaging 2: Across the Lifespan

Pediatric Inflammatory Disorders

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Highlights:

- 1) Understand classifications/definition of pediatric CNS inflammatory demyelination
- 2) Monophasic CNS inflammatory demyelination: ADEM, CIS, NMO
- 3) Relapsing CNS inflammatory demyelination: Recurrent ADEM, Multiphasic ADEM, Relapsing NMO, Pediatric MS
- 4) Review clinical profiles and risk factors of pediatric CNS inflammatory demyelination
- 5) Understand reported features associated with increase/decreased risk of relapse
- 6) Differential Diagnosis: based timing of onset of symptoms (hyperacute, acute/subacute/insidiously progressive)
- 7) Review MRI criteria for pediatric multiple sclerosis and differentiation from non-multiple sclerosis
- 8) Review other types of non-demyelinating inflammatory disorders
- 9) Pediatric MR scoring tools for demyelinating disorders
- 10) Advanced pediatric MRI techniques to investigate tissue integrity or biochemistry: magnetic transfer imaging, diffusion tensor imaging, MR spectroscopy

References:

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