

## CASE REPORT

### DECIPHERING RING ENHANCING LESIONS

\***Bhavana Madhav**  
 \*\***Gurudutta Avathi Venkatesha**  
 \*\*\***Sudhindra Aroor**  
 \*\*\*\***Narendra Ramachandra Rao**

**Abstract:** Ring enhancing lesion in the brain is a radiological feature caused by large gamut of diseases and is not pathognomonic of a specific condition. Albeit, commonest cause of ring enhancing lesion is neurocysticercosis, central nervous system tuberculosis predominates in developing countries like India. It is vital for a clinician to be mindful of subtle differences in size of the lesion, type of spread, and magnetic resonance imaging findings for timely diagnosis. Here, we report one such case of a young adolescent girl who presented with suspected central nervous system infection and magnetic resonance imaging showing ring enhancing lesions which later turned out to be central nervous system tubercular lesions.

**Keywords:** *Neurocysticercosis, Tuberculosis, Ring enhancing lesions.*

### Points to Remember

- *Lesions in CNS miliary tuberculosis are tiny and appear hypointense on T2 weighted sequences, as opposed to tuberculomas which are larger in size with diffusion restriction on diffusion weighted imaging.*
- *In NCC, MRI reveals single or multiple lesions in different stages of evolution.*
- *Stopping steroids earlier in CNS miliary tuberculosis may lead to worsening of neurological symptoms and it should never be attempted.*
- *It's imperative to reconsider the diagnosis if not responding to appropriate treatment.*
- *Acute onset of symptoms suggestive of CNS infections / inflammations are to be thoroughly worked up before embarking on starting empirical therapy.*

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\* Junior resident, FIPCCM (RGUHS),  
 Affiliated to Rajiv Gandhi Medical University,  
 Karnataka.

\*\* Head of PICU and Pediatric Intensivist,  
 Department of Pediatric Intensive Care,

\*\*\* Senior Consultant, Pediatric Neurologist

\*\*\*\* Junior Resident, FIPN (RGUHS),  
 Department of Pediatric Neurology  
 Rangadore Memorial Hospital, Bengaluru.

email: bhavanapraje@gmail.com

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