



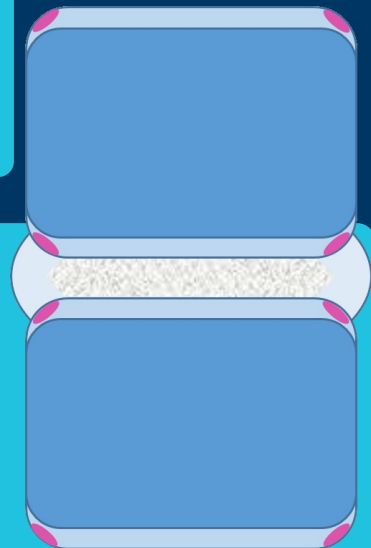
# Ring Apophyses

## Role in scoliosis?

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## Development of **Ring apophysis**

Ring apophyses are the secondary ossification centres of the vertebrae, found on the rims of both the top and bottom vertebral surfaces. Born cartilaginous, they gradually turn into bone and eventually fuse with the vertebral bodies. Not much is known about their 3D morphology and whether they contribute to the development of scoliosis.



The MRI dataset of the thoracic vertebrae from adolescent idiopathic scoliosis patients and non-scoliotic adolescent volunteers are assessed to evaluate the ring apophyses.

My research will gain new understanding on the anatomy of the ring apophysis, in both the scoliotic and non-scoliotic adolescent spine, and quantify how it changes as the spine grows and develops.

