

Imaging of the Cervical Spine in Children

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With 149 Figures

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*To Janie,
My Wife and Very Best Friend*

Preface

This monograph represents the material I have accumulated, researched, and evaluated during my now closing career in radiology. It is a conglomeration of what has helped me to analyze imaging studies of the cervical spine, and, I would like to pass the information on to you. I hope it will be of help.

The book is divided into six chapters. The first deals with developmental anatomy, while the second presents the numerous and varied normal variations encountered in childhood. Not only are structural normal variations addressed, but so are the many variations resulting from physiologic hypermobility of the spine.

Chapter 3 discusses anomalies of the cervical spine, and Chapter 4 provides in depth coverage of anomalies and normal variations of the dens, with special and extensive reference to the os terminale-os odontoideum complex.

Trauma is addressed in Chapter 5. First, basic mechanisms of injury and types of fractures that result from these mechanisms are discussed. Thereafter, injuries are divided into trauma to the lower cervical spine and trauma to the upper cervical spine. The various fractures encountered are illustrated in detail and a spectrum of abnormality is presented for each type of injury.

Miscellaneous cervical spine problems are covered in Chapter 6. These include infections, tumors, cervical occipital instability in Trisomy 21, and so on.

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