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Spine Radiology Specialist Certificate

Lecture List

Spine Radiology Specialist Certificate

Specialist Certificate Editor: Prof Alberto Zerbi

Estimated Study Time: 5 weeks at 7-9 hours per week to complete all online lectures and assessments.

Learning Objectives:

- To become knowledgeable of relevant imaging modalities, including X-rays, MRI, CT, bone scans and EOS, used in the evaluation, diagnosis, and treatment of all spinal pathologies
- To be able to recognise and classify pathologies of the spine using imaging techniques and diagnostic algorithms
- To understand the role of interventional radiology in the spine
- To understand the interrelation between cost, information and safety of radiation exposure
- To be able to use relevant imaging algorithms to recognise & define post-op complications

This Specialist Certificate contains these Knowledge Packages:

Package	Title
KP-RBC	Imaging of the Spine – Basics and Complications
KP-RDG	Imaging in the Degenerative Spine
KP-RDF	Imaging in the Deformed Spine
KP-RTS	Imaging in the Traumatized Spine

This Specialist Certificate contains the following Lectures:

Lecture	Title
1.14	Imaging Studies
2.4	Imaging in Degenerative Cervical Conditions
2.6	Diagnostic Injection Studies (Interventional Radiology)
3.5	Imaging in Lumbar and Thoracic Disc Herniation and Lumbar Stenosis
3.13	Imaging in Degenerative Lumbar and Sacroiliac Conditions
4.2	Adult Scoliosis and Kyphosis: Radiological Assessment
4.19	Imaging in Spondylolisthesis
5.10	Paediatric Deformities: Imaging
6.3	Imaging in Sub-axial Cervical Spine Injuries
6.8	Imaging of the Occipito-Cervical Junction Post-Trauma
6.13	Imaging of Thoraco-Lumbar Injuries
9.22	Imaging of Early Complications
9.23	Imaging of Late Complications

Find out more about the Spine Radiology Specialist Certificate at:

courses.ecclearning.com/lp/spine-radiology-specialist-certificate

Knowledge Package: Imaging of the Spine – Basics and Complications

This is one of four Knowledge Packages that make up the Spine Radiology Specialist Certificate.

Estimated Study Time: 1 week at 7-9 hours per week to complete all online lectures & assessments.

Learning Objectives:

- To understand imaging techniques and technologies available for the evaluation of the spine
- To be able to recognise and define early post-operative complications by using appropriate imaging
- To be able to use appropriate imaging algorithms to recognise and define late post-operative complications
- To understand the available strategies to limit economic and radiation impact of the radiological investigation of post-operative complications

Lecture	Title
1.14	Imaging Studies
9.22	Imaging of Early Complications
9.23	Imaging of Late Complications

Find out more about this Knowledge Package at: courses.ecclearning.com/lp/imaging-of-the-spine-basics-and-complications/

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Knowledge Package: Imaging in the Degenerative Spine

This is one of four Knowledge Packages that make up the Spine Radiology Specialist Certificate.

Estimated Study Time: 1 week at 7-9 hours per week to complete all online lectures and assessments.

Learning Objectives:

- To become knowledgeable of all imaging modalities used in the evaluation and treatment of degenerative disorders of the spine
- To understand which specific imaging modalities are recommended for which patients
- To recognise pathologies in the degenerative spine using imaging techniques and diagnostic algorithms
- To understand how imaging information informs diagnosis
- To understand the role of interventional radiology in the spine

Lecture	Title
2.4	Imaging in Degenerative Cervical Conditions
2.6	Diagnostic Injection Studies (Interventional Radiology)
3.5	Imaging in Lumbar and Thoracic Disc Herniation and Lumbar Stenosis
3.13	Imaging in Degenerative Lumbar and Sacroiliac Conditions

Find out more about this Module at: courses.ecclearning.com/lp/imaging-degenerative-spine

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courses.ecclearning.com/lp/spine-radiology-specialist-certificate

Knowledge Package: Imaging in the Deformed Spine

This is one of four Knowledge Packages that make up the Spine Radiology Specialist Certificate.

Estimated Study Time: 1 week at 7-9 hours per week to complete all online lectures & assessments.

Learning Objectives:

- To understand the modalities and role of imaging in adult deformity, including X-rays, MRI, CT and EOS
- To understand the modalities and role of imaging in paediatric deformity, including X-rays, MRI, CT, bone scans and EOS
- To understand the various parameters, such as Cobb angle, which are derived from imaging
- To understand and be able to practice strategies to limit the radiation exposure while not compromising the information required

Lecture	Title
4.2	Adult Scoliosis and Kyphosis: Radiological Assessment
4.19	Imaging in Spondylolisthesis
5.10	Paediatric Deformities: Imaging

Find out more about this Module at: courses.ecclearning.com/lp/imaging-deformed-spine

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Knowledge Package: Imaging in the Traumatised Spine

This is one of four Knowledge Packages that make up the Spine Radiology Specialist Certificate.

Estimated Study Time: 1 week at 7-9 hours per week to complete all online lectures & assessments.

Learning Objectives:

- To be able to select the appropriate imaging modalities when spine trauma is suspected
- To select appropriate imaging strategies for major and minor trauma
- To be able to recognise typical patterns of injury
- To identify and classify spinal fractures
- To be able to differentiate between old and new pathological fractures

Lecture	Title
6.3	Imaging in Sub-axial Cervical Spine Injuries
6.8	Imaging of the Occipito-Cervical Junction Post-Trauma
6.13	Imaging of Thoracolumbar Injuries

Find out more about this Module at: courses.ecclearning.com/lp/imaging-in-the-traumatised-spine/

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