



# Understanding X-Rays: A Synopsis of Radiology

By Fred van Gelderen

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Understanding X-Rays is a book planned to fill the gap between basic and advanced knowledge of Radiology. It meets the moment when a radiologist is not available, and a diagnosis is required. Each section is introduced by a chapter on how to understand X-rays, encouraging a complete and systematic approach to radiographs focusing on every part of the image. A three-point approach is presented, consisting of the quick look, a systematic detailed scrutiny of the images, and finally a brief look at review areas. Most difficulties in interpreting radiographs do not arise from identifying the clearly normal or abnormal, but the huge grey expanse between. Therefore, normal variants that may masquerade as disease are discussed in detail. Likewise, common appearances, often incidental and unimportant, are covered thoroughly, as these appearances can readily be misinterpreted as being due to significant disease. The chapters on disease entities follow a logical sequence of congenital, traumatic, infective, neoplastic and miscellaneous conditions. Post-traumatic sequelae are discussed in much greater detail in each section. To limit the handbook to a pocket-sized format, certain aspects of Radiology receive scant attention and some are excluded altogether. (The following are not included: physics, instrumentation, machine construction, teriography, and ultrasound imaging of obstetrics, the eye and vascular structures. Aspects such as congenital heart disease, bone dysplasias, bone tumours and barium meal examinations are not discussed at any length)."

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## Understanding X-Rays: A Synopsis of Radiology By Fred van Gelderen Bibliography

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