



Contrast media : safety issues and ESUR guidelines

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Monografía

In 1994 the European Society of Urogenital Radiology (ESUR) set up a committee to consider the safety of contrast media used for diagnostic imaging. Subsequently the committee questioned members, reviewed the literature, proposed guidelines and discussed these proposals with participants at the annual symposia of the society. The end result of this work was the successful first edition of this book, published in 2006. This second edition not only updates the previous edition, but also contains some completely new chapters, for example on gadolinium-based contrast agents, meta-analyses in contrast media research and various regulatory issues. Comprehensive consideration is given to the many different safety issues relating to iodinated, MR, ultrasound and barium contrast media. The text includes chapters on both acute and delayed non-renal adverse reactions and on renal adverse reactions. All those questions frequently raised in radiological practice are addressed, and the well-known ESUR guidelines on contrast media are included. This book, presented in a handy, easy to use format, provides an invaluable, unique and unparalleled source of information on the safety issues relating to contrast media

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Título: Contrast media safety issues and ESUR guidelines

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Contenido: General issues. Classification and terminology / Peter Aspelin, Marie-France Bellin, Jarl Å. Jakobsen, and Judith A.W. Webb ; Requests for imaging using contrast agents: what information must be provided / Sameh

K. Morcos and Marie-France Bellin ; Off-label use: legal aspects / J.M. Raine ; Pharmacovigilance: when to report adverse reactions / Doris I. Stenver ; What is required in order to get the authorities to approve a new contrast agent? / Doris I. Stenver ; A critical review of meta-analysis of adverse events after contrast agents / Giuseppe Biondi-Zoccai and Marzia Lotrionte -- Iodinated and gadolinium contrast media. General adverse reactions. Prevention of acute reactions / Judith A.W. Webb ; Management of acute adverse reactions to contrast media / Henrik S. Thomsen -- Renal adverse effects. Contrast medium-induced nephropathy / Henrik S. Thomsen ; Dialysis and contrast media / Sameh K. Morcos ; Non-insulin dependent diabetes and contrast media / Henrik S. Thomsen -- Other adverse effects. Pregnancy and lactation / Judith A.W. Webb ; Pheochromocytoma / Judith A.W. Webb ; Interactions with other drugs and clinical / Sameh K. Morcos ; Extravasation injury / Jarl Å. Jakobsen -- Iodinated contrast media. Late adverse reactions / Fulvio Stacul ; Effects on blood and endothelium / Peter Aspelin, Fulvio Stacul, and Sameh K. Morcos ; Effect on thyroid function / Aart J. van der Molen ; Pulmonary effects / Sameh K. Morcos -- MR contrast media. Non-tissue specific extracellular MR contrast media. Chelates and Stability / Sameh K. Morcos ; Diagnostic efficacy / Aart J. van der Molen ; Radiography with gadolinium contrast agents / Henrik S. Thomsen -- Gadolinium-based contrast agents. Acute adverse reactions / Gertraud Heinz-Peer ; Delayed reactions: nephrogenic systemic fibrosis / Henrik S. Thomsen -- Organ-specific MR contrast agents. Gadolinium-based contrast agents / Marie-France Bellin ; Non-gadolinium-based contrast agents / Marie-France Bellin -- Ultrasonographic contrast media. Safety of ultrasonographic agents / Raymond Oyen -- Barium preparations. Barium preparations: safety issues / Sameh K. Morcos -- Appendix. ESUR guidelines on contrast media ; Official publications from the European Society of Urogenital Radiology

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