

## MRI Lumbar Spine

## Sample Report

PATIENT: DOE, REGINA  
DATE OF BIRTH: 1/4/1967  
REFERRING PHYSICIAN: BANNER, ROSS, MD  
EXAM DATE: 1/1/2013

PATIENT ID: 146713

### EXAMINATION: MRI Lumbar Spine

**INDICATION:** Chronic low back pain, right lower extremity pain, radiculopathy.

**TECHNIQUE:** Magnetic resonance imaging of the lumbosacral spine is submitted with standard protocol, sagittal and axial T1, T2 and/or gradient echo sequences, without IV contrast. Exam performed on 1.5 Tesla MRI system.

**COMPARISON:** None

**FINDINGS:** There is normal lumbosacral vertebral body height and alignment on this supine, non-weight bearing exam. Vertebral body marrow signal is normal. The conus medullaris is normal and terminates at L1.

T12-L1: Sagittal series-mild secondary discogenic facet change without stenosis.

L1-L3: Sagittal series-normal disc spaces with patent canal and foramina.

L3-L4: Series 6 image 10-normal disc space show mild/moderate facet arthrosis with patent canal and foramina.

L4-L5: Image 21-mild to moderate decreased disc signal and disc height with mild endplate spondylitic change, bulge and a left paracentral disc herniation extruded superiorly, 7 mm AP by 16 mm mL by 14 mm CC, with the left L5 nerve root sleeve impingement in the lateral recess, with severe right more than left facet arthrosis. Narrowing of the thecal sac, 8 mm, with mild left lateral recess stenosis, patent right lateral recess and mild to moderate left and mild right foraminal stenosis.

L5-S1: Image 32-mild decreased disc signal with mild/moderate decreased disc height and endplate spondylitic change, bulge and left paracentral disc herniation, 3 mm AP by 8mm mL, with left S1 nerve root sleeve impingement in the lateral recess, with moderate facet arthrosis. Patent canal and right lateral recess and right foramen with minor left foraminal stenosis. No paraspinal masses or collections.

### IMPRESSION:

1. L4-L5 left paracentral disc herniation extruded superiorly with left L5 nerve root sleeve impingement, with canal, lateral recess and foraminal stenosis.
2. L5-S1 left paracentral disc herniation with left S1 nerve root sleeve impingement with left lateral recess and foraminal stenosis.

Electronically Signed/Dated By . . .

# Sample Lumbar Mri Report

**J Ma**



## Sample Lumbar Mri Report:

New Perspectives and Innovative Techniques in Contemporary Spine Surgery Luca Ambrosio, Fabrizio Russo, Vincenzo Denaro, Gianluca Vadalà, Daisuke Sakai, 2023-06-30      *Radio Waves in Medicine* Felicia Dunbar, AI, 2025-02-27 *Radio Waves in Medicine* reveals the pivotal role of radio waves in modern medical diagnostics allowing unparalleled views inside the human body. These waves, characterized by their frequency and wavelength, are the backbone of crucial technologies like Magnetic Resonance Imaging (MRI). MRI offers superior resolution and contrast compared to older methods like X-rays, especially for soft tissues. The book explores the physics of radio waves, the engineering of MRI machines, and their clinical applications across various diseases. It highlights how radio wave technology facilitates earlier and more accurate diagnoses, ultimately improving patient care. Progressing logically, the book begins with the basics of radio waves and delves into MRI principles, neuroimaging, cardiovascular imaging, and musculoskeletal imaging, culminating in discussions of emerging trends and ethical considerations. This resource is particularly valuable for medical students, physicians, and biomedical engineers seeking a current understanding of this rapidly advancing field. By integrating scientific literature, clinical studies, and technical specifications, *Radio Waves in Medicine* presents complex concepts in an accessible manner, emphasizing the revolution this technology has brought to healthcare.

**Case Reports in Neurocritical and Neurohospitalist Care, volume III - 2023** Sean Ruland, Michael J. Schneck, 2024-03-26. This Research Topic aims to collect all the Case Reports submitted to the Neurocritical and Neurohospitalist Care section. All the Case Reports submitted to this collection will be personally assessed by a senior Associate Editor before the beginning of the peer review process. Please make sure your article adheres to the following guidelines before submitting it: **essentials of skeletal radiology**, Caring is Sharing — Exploiting the Value in Data for Health and Innovation. Maria Hägglund, Madeleine Blusi, Stefano Bonacina, Lina Nilsson, Inge Cort Madsen, Sylvia Pelayo, Anne Moen, 2023-06-15. Modern information and communication technologies make it easier for individuals to be involved in their own health and social care. They also facilitate contact between individuals and service providers and deliver more efficient tools for healthcare staff. Artificial Intelligence (AI) promises to bring even more benefits in the future with more effectiveness and the provision of decision support. This book presents the proceedings of the 33rd Medical Informatics Europe Conference (MIE2023) held in Gothenburg, Sweden, from 22 to 25 May 2023. The theme of MIE2023 was *Caring is Sharing: Exploiting Value in Data for Health and Innovation*, stressing the increasing importance of sharing digital health data and the related challenges. The sharing of health data is developing rapidly both in Europe and beyond, so the focus of the conference was on the enabling of trustworthy sharing of data to improve health. Topics covered include healthcare, community care, self-care, public health, and the innovation and development of future-proof digital health solutions. The almost 300 papers, divided into 10 chapters, also cover important advances in the sub-domains of biomedical informatics, decision support systems, clinical information systems, clinical research informatics, knowledge management, and

representation consumer health informatics natural language processing public health informatics privacy ethical and societal aspects among them Describing innovative approaches to the collection organization analysis and data sharing related to health and wellbeing the book contributes to the expertise required to take medical informatics to the next level and will be of interest to all those working in the field

**MRI of the Lumbar Spine** Neil Steinmetz,1987 *Diagnostic Imaging: Spine - E-Book* Jeffrey S. Ross, Kevin R. Moore, 2025-05-16 Covering the entire spectrum of this fast changing field Diagnostic Imaging Spine fifth edition is an invaluable resource for general radiologists neuroradiologists and trainees anyone who requires an easily accessible highly visual reference on today's spinal imaging Drs Jeffrey Ross Kevin Moore and their team of highly regarded experts provide updated information on disease identification and imaging techniques to help you make informed decisions at the point of care The text is image rich with succinct bullets that quickly convey details and includes the latest literature references making it a useful learning tool as well as a handy reference for daily practice Serves as a one stop resource for key concepts and information on radiologic imaging and interpretation of the spine neck and central nervous system Contains six robust sections each beginning with normal imaging anatomy and covering all aspects of this challenging field Congenital and Genetic Disorders Trauma Degenerative Diseases and Arthritides Infection and Inflammatory Disorders Peripheral Nerve and Plexus and Spine Postprocedural Posttreatment Imaging Features 3 200 high quality print images with an additional 2 100 images in the complimentary eBook including radiologic images full color medical illustrations clinical photographs histologic images and gross pathologic photographs Provides new and expanded content on CSF leak disorder and root sleeve leak CSF venous fistulas demyelinating disease based upon better knowledge of MS neuromyelitis optica spectrum disorder anti MOG disorders malignant nerve sheath tumor and paragangliomas and spinal ependymomas including myxopapillary and classical cellular spinal ependymoma Contains new chapters on both imaging technique and diseases disorders and existing chapters have been rearranged to better represent current information on inflammatory and autoimmune disorders and systemic manifestations of diseases Provides updates from cover to cover including overviews and new recommendations for evaluation of transitional spinal anatomy spine enumeration which have important and practical applications in routine imaging with downstream effects on spine intervention Uses bulleted succinct text and highly templated chapters for quick comprehension of essential information at the point of care Any additional digital ancillary content may publish up to 6 weeks following the publication date

**Imaging of the Spine** Thomas P. Naidich, MD, Mauricio Castillo, MD, Soonmee Cha, MD, Charles Raybaud, MD, James G. Smirniotopoulos, MD, Spyros Kollias, 2010-08-27 Imaging of the Spine an exhaustive full color reference combines the ease of use of an atlas with the comprehensive coverage of a definitive reference work in print and online Renowned experts Drs Thomas P Naidich Mauricio Castillo Charles Raybaud James G Smirniotopoulos Soonmee Cha and Spyros Kollias cover every aspect of spine imaging including the latest diagnostic modalities interventional techniques and image guided procedures through over 1300

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**Medicolegal Reporting in Orthopaedic Trauma** Michael A. Foy, Phillip S. Fagg, 2011-12-05 This book now a classic was developed to facilitate the preparation of medicolegal reports following musculoskeletal injuries It collates data from the world literature in one source together with review articles on related topics such as Repetitive Strain Injury As a result it saves readers from the time consuming task of researching multiple references A comprehensive guide to the preparation of medicolegal reports in the field of personal injury litigation following musculoskeletal trauma It provides prognostic information following musculoskeletal injuries and assists the clinician acting as an expert medical witness prepare the report Each of the chapters is devoted to different areas of injury and takes the reader through the full range of treatments results and complications and how these impact on prognosis Collates data on treatment results complications from the relevant medical literature and review articles and saves the orthopaedic surgeon acting as an expert witness a lot of hours of unnecessary research

*Case Reports in Multiple Sclerosis and Neuroimaging, volume III - 2023* Hans-Peter Hartung, Robert Weissert, 2024-08-05 This Research Topic aims to collect all the Case Reports submitted to the Multiple Sclerosis and Neuroimmunology All the Case Reports submitted to this collection will be personally assessed by a senior Associate Editor before the beginning of the peer review process Please make sure your article adheres to the following guidelines before submitting it Case Reports highlight unique cases of patients that present with an unexpected diagnosis treatment outcome or clinical course Only Case Reports that are original and significantly advance the field will be considered 1 RARE case with TYPICAL features 2 FREQUENT case with ATYPICAL features 3 Cases with a convincing response to new treatments i.e. single case of off label use

**Migraines For Dummies** Diane Stafford, Jennifer Shoquist, 2025-10-06 Listen up and lock down today's best migraine pain solutions Haven't you spent enough time juggling schedules and cancelling events when headache pain sidelined you You can put those days behind you with up to date information on the when why how of migraines and a whole of body approach to micromanaging them Migraines For Dummies supplies the answers you've been looking for in the form of straightforward explanations and reliable advice to help you tackle symptoms avoid triggers and find the best medical support You'll explore new drug therapies including prescription meds over the counter drugs nerve stimulators and alternative remedies Plus learn how to reduce migraine frequency by tweaking diet sleep and exercise Updated with the latest research this Dummies guide shows you how to balance medical care and lifestyle adjustments to fix that aching head of yours and upgrade your quality of life once and for

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**Introduction to Neurogenic Communication Disorders** Robert H. Brookshire,Malcolm R. McNeil,2014-09-16 Get the tools you need to evaluate diagnose and treat patients with neurogenic communication disorders *Introduction to Neurogenic Communication Disorders 8th Edition* provides a solid foundation in the neurology of communication as well as the causes symptoms diagnosis assessment and management of commonly encountered neurogenic communication disorders in adults A concise evidence based approach shows how to measure and treat abnormalities such as aphasia dysarthria right hemisphere syndrome and traumatic brain injury syndrome This edition is updated with new coverage of laboratory tests blast related injuries to the head and medications for dementia Created by neurogenic communication disorders educator Robert H Brookshire and continued by Malcolm R McNeil this bestselling text will enhance your skills in the rehabilitation of clients with neurogenic communication disorders A clear concise approach makes complex material easy to follow and understand Clinical vignettes show how to apply principles to practice and illustrate how patients are evaluated and treated Thought questions at the end of each chapter are based on realistic scenarios and challenge you to assess your understanding think critically and apply information to clinical situations Suggested answers are included in the appendix Clinically relevant sidebars include related facts information and tips for recall or therapy More than 200 photographs and images include anatomic illustrations scans using various brain imaging techniques and examples of assessment tests Evidence based practice is reinforced by the use of scientific evidence based rationales to support the effectiveness of treatment approaches Student friendly features enhance learning with chapter outlines critical thinking exercises medical protocols sample

paperwork patient transcripts commonly used medical abbreviations and a glossary with definitions of key vocabulary General Concepts summary points highlight the most important material in each chapter NEW content on closed head injuries as a consequence of blast injury is included in the Traumatic Brain Injury chapter addressing a pathophysiology often found in Iraq and Afghanistan war veterans UPDATED content includes new information on medications for treatment of persons with dementia the latest laboratory tests for neurologic assessment and the most current cognitive rehabilitation approaches NEW More Thought questions in each chapter help you apply concepts to clinical situations Additional content on evidence based practice includes systematic reviews and meta analyses relating to the efficacy and effectiveness of specific treatment approaches Additional graphics clinical photographs and tables depict key information and concepts Japanese Encephalitis Shailendra K. Saxena, 2025-03-11 This book provides a comprehensive overview of Japanese Encephalitis JE its pathobiology and associated challenges for treatment and prevention It focuses on various aspects of Japanese Encephalitis including global epidemiology genome organization and genotypes virus host interactions immunopathogenesis transmission dynamics antibody dependent enhancement clinical characteristics laboratory diagnosis treatment prevention and control strategies It provides a brief account of the Japanese encephalitis vaccine their immunogenicity protective ability and impact of JE s vaccine in reducing the burden of the disease It also helps in understanding the molecular and cellular factors involved in the JE virus neuro invasion and inflammatory processes The book uniquely presents cutting edge information and provides an edited information source for clinicians virologists pathologists and immunologists *Cumulated Index Medicus*, 1989 **Advanced Pediatric Assessment** Ellen M. Chiocca, 2024-10-29 Third Edition AJN Book of the Year Award Winner Child Health This acclaimed text delivers the specialized knowledge and skills required for in depth physical and psychosocial assessment and treatment of children from birth through adolescence Comprehensive and detailed it emphasizes the unique anatomic and physiologic differences between infants children and adults and underscores the need for a distinct approach to the pediatric population The fourth edition is updated with a unique chapter on diagnostic reasoning along with new content on this topic throughout Also included is a new section on the pediatric telehealth visit and discussion of the clinical impact of the pandemic on the physical and psychological assessment of pediatric patients New case studies and critical thinking exercises for each chapter illuminate content along with abundant four color photograph and images The text is written with a level of depth that makes it ideal both as a text for advanced practice nursing students and as a reference for practicing pediatric healthcare providers It encompasses the physical psychosocial developmental and cultural aspects of child assessment Detailed tables list normal growth and developmental milestones as well as developmental red flags and developmental screening tools New to the Fourth Edition A fully revised chapter on mental health assessment of children A new section on providing Trauma Informed Care to children A revised chapter on diagnostic reasoning and clinical decision making along with new diagnostic reasoning content throughout Content on the pediatric

telehealth visit Focus on the clinical impact of the pandemic on the physical and psychosocial assessment of pediatric patients Key Features Organized by body system to aid in speedy information retrieval Examines the unique anatomic and physiologic differences among infants children and adults Addresses family developmental nutritional and child mistreatment assessment Describes in detail helpful communication techniques when working with children of different developmental levels Incorporates current screening and health promotion guidelines Offers a specific chapter on the diagnostic process and formulating pediatric differential diagnoses      MRI in Veterinary Neurology Adriano Wang-Leandro,2024-11-18

Magnetic resonance imaging is without a doubt a key diagnostic tool in clinical veterinary neurology Its implementation in animals dates to the early 80s as dogs were used as experimental model for brain edema and abscesses however it was not until one decade later that this modality was implemented for clinical purposes in veterinary neurology As the availability of low and high field magnets in veterinary centers increase and technology advances the understanding of central nervous system pathologies in the pre mortem phase including temporal evolvement of disease and monitoring effects of therapeutic approaches to the nervous tissue morphology has been likewise enhanced Moreover MRI findings of multiple diseases affecting the nervous system of animals including epilepsy meningoencephalitis neurodegenerative disorders metabolic encephalopathies spinal cord injury among others mirror their counterpart in human medicine therefore highlighting the pivot role of this modality for translational medicine      *Oxford Textbook of Sjögren's Syndrome* Elizabeth J. Price,Anwar R. Tappuni,2021 Oxford Textbook of Sj gren s Syndrome is an authoritative resource for everyday practice and reference Suitable for rheumatologists ophthalmologists oral physicians specialist nurses neurologists oncologists general medics and dentists      **Journal of the National Cancer Institute** ,1992



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