

1. Record Nr.	UNINA9910494600603321
Autore	Freyschmidt J (Jurgen)
Titolo	Challenging cases in musculoskeletal imaging // Juergen Freyschmidt ; translator, Terry C. Telger
Pubbl/distr/stampa	Stuttgart, Germany : , : Thieme, , [2015] ©2015
ISBN	3-13-176401-5 3-13-176411-2
Descrizione fisica	1 online resource (384 p.)
Disciplina	616.70754
Soggetti	Musculoskeletal system - Imaging Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Challenging Cases in Musculoskeletal Imaging; Title Page; Copyright; Dedication; Contents; Preface; Acknowledgment; Abbreviations; 1 From Symptom to Diagnosis; 1.1 Selecting the Correct Imaging Modality; 1.2 Image Interpretation; 2 Skull; 2.1 Sclerotic Changes; 2.2 Osteolytic Lesions and Lesions with Mixed Features; 3 Spine; 3.1 Mono- and Bisegmental Changes; 3.2 Oligo- and Multisegmental Changes; 3.3 Diseases of Spinal Entheses and Joints; 3.4 Sacrum; 4 Pelvis; 4.1 Sclerotic Changes; 4.2 Osteolytic Changes and Changes Associated with Decreased Bone Density; 4.3 Unusual Fractures 4.4 Bone Lesions with a Predominantly Extraosseous Component4.5 Soft-Tissue Mineralization; 4.6 Hip Region; 5 Shoulder Girdle and Thoracic Cage; 5.1 Clavicle; 5.2 Scapula; 5.3 Ribs; 5.4 Sternum; 5.5 Anterior ChestWall as a Whole; 6 Upper Limb; 6.1 Upper Arm; 6.2 Forearm; 6.3 Hands (Bone and Joint Diseases); 7 Lower Limb; 7.1 Equivocal MRI Findings; 7.2 Predominantly Osteolytic Changes; 7.3 Predominantly Osteosclerotic Changes; 7.4 Changes with Mixed Features; 7.5 Extraosseous Lesions; Bibliography; Index

2. Record Nr.	UNINA9910254194003321
Autore	Šibalija Tatjana V
Titolo	Advanced Multiresponse Process Optimisation : An Intelligent and Integrated Approach / / by Tatjana V. Šibalija, Vidosav D. Majstorovi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	9783319192550 3319192558
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (309 p.)
Disciplina	620
Soggetti	Manufactures Artificial intelligence Robotics Automation Computational intelligence Operations research Decision making Manufacturing, Machines, Tools, Processes Artificial Intelligence Robotics and Automation Computational Intelligence Operations Research/Decision Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Review of multiresponse optimisation approaches -- An intelligent, integrated, problem-independent method for multiresponse process optimisation -- Implementation of an intelligent, integrated, problem-independent method to multiresponse process optimisation -- Case studies -- Conclusion.
Sommario/riassunto	This book presents an intelligent, integrated, problem-independent method for multiresponse process optimization. In contrast to traditional approaches, the idea of this method is to provide a unique model for the optimization of various processes, without imposition of

assumptions relating to the type of process, the type and number of process parameters and responses, or interdependences among them. The presented method for experimental design of processes with multiple correlated responses is composed of three modules: an expert system that selects the experimental plan based on the orthogonal arrays; the factor effects approach, which performs processing of experimental data based on Taguchi's quality loss function and multivariate statistical methods; and process modeling and optimization based on artificial neural networks and metaheuristic optimization algorithms. The implementation is demonstrated using four case studies relating to high-tech industries and advanced, non-conventional processes.

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