1. Record Nr. UNINA9910595031203321

Titolo	Perinatal, Preterm and Paediatric Image Analysis : 7th International Workshop, PIPPI 2022, Held in Conjunction with MICCAI 2022, Singapore, September 18, 2022, Proceedings / / edited by Roxane Licandro, Andrew Melbourne, Esra Abaci Turk, Christopher Macgowan, Jana Hutter
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2022
ISBN	9783031171178 3031171179
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (127 pages)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 13575
Disciplina	943.005
Soggetti	Image processing - Digital techniques Computer vision Artificial intelligence Application software Computer Imaging, Vision, Pattern Recognition and Graphics Artificial Intelligence Computer and Information Systems Applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Preface -- Organization -- Contents -- Automatic Segmentation of the Placenta in BOLD MRI Time Series -- 1 Introduction -- 2 Methods -- 2.1 Model -- 2.2 Additive Boundary Loss -- 2.3 Implementation Details -- 3 Model Evaluation -- 3.1 Data -- 3.2 Evaluation -- 3.3 Results -- 4 Discussion and Conclusion -- References -- A Fast Anatomical and Quantitative MRI Fetal Exam at Low Field -- 1 Introduction -- 2 Methods -- 2.1 Evaluation -- 2.2 Analysis -- 3 Results -- 4 Discussion and Conclusions -- References -- Automatic Fetal Fat Quantification from MRI -- 1 Introduction -- 2 Methodology -- 2.1 Semi-automatic Fetal AT Segmentation -- 2.2 Automatic Fetal Fat Segmentation -- 3 Experimental Results -- 3.1 Study 1: Manual and Semi-automatic Observer Variability -- 3.2 Study 2: Automatic Fetal AT Segmentation -- 3.3 Study 3: Analysis of Manual

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Sommario/riassunto

This book constitutes the refereed proceedings of the First International Workshop on Perinatal, Preterm and Paediatric Image Analysis, PIPPI 2022, held in conjunction with the 25th International Conference on Medical Imaging and Computer-Assisted Intervention, MICCAI 2022, in Singapore, Singapore, in September 2021. The 10 full papers and 1 short papers presented at PIPPI 2022 were carefully reviewed and selected from 12 submissions. PIPPI 2022 workshop complements the main MICCAI conference by providing a focused discussion of perinatal and paediatric image analysis, including the application of sophisticated analysis tools to fetal, neonatal and paediatric imaging data.