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Titolo	Brainlesion: Glioma, Multiple Sclerosis, Stroke and Traumatic Brain Injuries [[electronic resource]] : 4th International Workshop, BrainLes 2018, Held in Conjunction with MICCAI 2018, Granada, Spain, September 16, 2018, Revised Selected Papers, Part I / / edited by Alessandro Crimi, Spyridon Bakas, Hugo Kuijf, Farahani Keyvan, Mauricio Reyes, Theo van Walsum
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Descrizione fisica	1 online resource (XXI, 477 p. 238 illus., 186 illus. in color.)
Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 11383
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Soggetti	Optical data processing Health informatics Machine learning Computer communication systems Pattern recognition Bioinformatics Image Processing and Computer Vision Health Informatics Machine Learning Computer Communication Networks Pattern Recognition Computational Biology/Bioinformatics
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Brain lesion image analysis.-Brain tumor image segmentation -- Ischemic stroke lesion image segmentation -- Grand challenge on MR brain segmentation -- Computational precision medicine -- Stroke workshop on imaging and treatment challenges. .
Sommario/riassunto	This two-volume set LNCS 11383 and 11384 constitutes revised

selected papers from the 4th International MICCAI Brainlesion Workshop, BrainLes 2018, as well as the International Multimodal Brain Tumor Segmentation, BraTS, Ischemic Stroke Lesion Segmentation, ISLES, MR Brain Image Segmentation, MRBrainS18, Computational Precision Medicine, CPM, and Stroke Workshop on Imaging and Treatment Challenges, SWITCH, which were held jointly at the Medical Image Computing for Computer Assisted Intervention Conference, MICCAI, in Granada, Spain, in September 2018. The 92 papers presented in this volume were carefully reviewed and selected from 95 submissions. They were organized in topical sections named: brain lesion image analysis; brain tumor image segmentation; ischemic stroke lesion image segmentation; grand challenge on MR brain segmentation; computational precision medicine; stroke workshop on imaging and treatment challenges.