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Titolo	Brainlesion: Glioma, Multiple Sclerosis, Stroke and Traumatic Brain Injuries : 5th International Workshop, BrainLes 2019, Held in Conjunction with MICCAI 2019, Shenzhen, China, October 17, 2019, Revised Selected Papers, Part I / / edited by Alessandro Crimi, Spyridon Bakas
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Descrizione fisica	1 online resource (xvi, 400 pages)
Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 11992
Disciplina	616.99281
Soggetti	Optical data processing Machine learning Application software Education—Data processing Pattern recognition Image Processing and Computer Vision Machine Learning Computer Applications Computers and Education Pattern Recognition
Lingua di pubblicazione	Inglese
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Note generali	Includes index.
Nota di contenuto	Brain Lesion Image Analysis -- Brain Tumor Image Segmentation -- Combined MRI and Pathology Brain Tumor Classification -- Tools Allowing Clinical Translation of Image Computing Algorithms.
Sommario/riassunto	The two-volume set LNCS 11992 and 11993 constitutes the thoroughly refereed proceedings of the 5th International MICCAI Brainlesion Workshop, BrainLes 2019, the International Multimodal Brain Tumor Segmentation (BraTS) challenge, the Computational Precision Medicine: Radiology-Pathology Challenge on Brain Tumor Classification (CPM-RadPath) challenge, as well as the tutorial session on Tools Allowing

Clinical Translation of Image Computing Algorithms (TACTICAL). These were held jointly at the Medical Image Computing for Computer Assisted Intervention Conference, MICCAI, in Shenzhen, China, in October 2019. The revised selected papers presented in these volumes were organized in the following topical sections: brain lesion image analysis (12 selected papers from 32 submissions); brain tumor image segmentation (57 selected papers from 102 submissions); combined MRI and pathology brain tumor classification (4 selected papers from 5 submissions); tools allowing clinical translation of image computing algorithms (2 selected papers from 3 submissions.).