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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Computed Tomography -- Multi-Scale Coarse-to-Fine Segmentation for Screening Pancreatic Ductal Adenocarcinoma -- MVP-Net: Multi-view FPN with Position-aware Attention for Deep Universal Lesion Detection -- Spatial-Frequency Non-Local Convolutional LSTM Network for pRCC classification -- BCD-Net for Low-dose CT Reconstruction: Acceleration, Convergence, and Generalization -- Abdominal Adipose Tissue Segmentation in MRI with Double Loss Function Collaborative Learning -- Closing the Gap between Deep and Conventional Image Registration using Probabilistic Dense Displacement Networks -- Generating Pareto optimal dose distributions for radiation therapy treatment planning -- PAN: Projective Adversarial Network for Medical

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Metal Artifact Reduction with Joint Projection-Sinogram Correction --
Multi-Class Gradient Harmonized Dice Loss with Application to Knee
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-- MeshSNet: Deep Multi-Scale Mesh Feature Learning for End-to-End Tooth Labeling on 3D Dental Surfaces -- Improving Robustness of Medical Image Diagnosis with Denoising Convolutional Neural Networks.

Sommario/riassunto

The six-volume set LNCS 11764, 11765, 11766, 11767, 11768, and 11769 constitutes the refereed proceedings of the 22nd International Conference on Medical Image Computing and Computer-Assisted Intervention, MICCAI 2019, held in Shenzhen, China, in October 2019. The 539 revised full papers presented were carefully reviewed and selected from 1730 submissions in a double-blind review process. The papers are organized in the following topical sections: Part I: optical imaging; endoscopy; microscopy. Part II: image segmentation; image registration; cardiovascular imaging; growth, development, atrophy and progression. Part III: neuroimage reconstruction and synthesis; neuroimage segmentation; diffusion weighted magnetic resonance imaging; functional neuroimaging (fMRI); miscellaneous neuroimaging. Part IV: shape; prediction; detection and localization; machine learning; computer-aided diagnosis; image reconstruction and synthesis. Part V: computer assisted interventions; MIC meets CAI. Part VI: computed tomography; X-ray imaging.
