1. Record Nr.	UNINA9910659495503321
Titolo	Diabetic Foot Ulcers Grand Challenge : Third Challenge, DFUC 2022, Held in Conjunction with MICCAI 2022, Singapore, September 22, 2022, Proceedings / / edited by Moi Hoon Yap, Connah Kendrick, Bill Cassidy
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	9783031263545 3031263545
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (130 pages)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 13797
Disciplina	616.462
Soggetti	Computer vision Image processing Machine learning Social sciences - Data processing Education - Data processing Software engineering Computer Vision Image Processing Machine Learning Computer Application in Social and Behavioral Sciences Computers and Education Software Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Quantifying the Effect of Image Similarity on Diabetic Foot Ulcer Classification -- DFUC2022 Challenge Papers -- HarDNet-DFUS: Enhancing Backbone and Decoder of HarDNet-MSEGfor Diabetic Foot Ulcer Image Segmentation -- OCRNet For Diabetic Foot Ulcer Segmentation Combined with Edge Loss 30 -- On the Optimal Combination of Cross-Entropy and Soft Dice Losses for Lesion Segmentation with Out-of-Distribution Robustness -- Capture the Devil in the Details via Partition-then-Ensemble on Higher Resolution

Images -- Unconditionally Generated and Pseudo-Labeled Synthetic Images for Diabetic Foot Ulcer Segmentation Dataset Extension.-Post Challenge Paper -- Diabetic Foot Ulcer Segmentation Using Convolutional and Transformer-based Refined Mixup Augmentation for Diabetic Foot Ulcer Segmentation -- Organization IX DFU-Ens: End-to-End Diabetic Foot Ulcer Segmentation Framework with Vision Transformer Based Detection -- Summary Paper -- Diabetic Foot Ulcer Grand Challenge 2022 Summary.

Sommario/riassunto	This book constitutes the Third Diabetic Foot Ulcers Grand Challenge, DFUC 2022, which was held on September 2022, in conjunction with the 25th International Conference on Medical Image Computing and Computer-Assisted Intervention, MICCAI 2022 in Singapore. The 8 full papers presented together with 5 challenge papers and 3 post-challenge papers included in this book were carefully reviewed and selected from 19 submissions. The DFU challenges aim to motivate the health care domain to share datasets, participate in ground truth annotation, and enable data-innovation in computer algorithm development. In the longer term, it will lead to improved patient care.