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   Sommario/riassunto This book constitutes the proceedings of the 12th International
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                       2021.* The 71 papers presented in this volume were carefully reviewed
                       and selected from 92 submissions. They focus on major trends and
                       challenges in the above-mentioned area, aiming to identify new-
                       cutting-edge techniques and their uses in medical imaging. Topics

dealt with are: deep learning, generative adversarial learning, ensemble learning, sparse learning, multi-task learning, multi-view learning, manifold learning, and reinforcement learning, with their applications to medical image analysis, computer-aided detection and diagnosis, multi-modality fusion, image reconstruction, image retrieval, cellular image analysis, molecular imaging, digital pathology, etc. *The workshop was held virtually.