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Nota di contenuto	-- Design and assessment for joint systems and workflows. -- Beyond Manual Annotation: A Human-AI Collaborative Framework for Medical Image Segmentation Using Only "Better or Worse" Expert Feedback. -- A methodology for clinically driven interactive segmentation evaluation. -- Interactive environments for clinical training, education, and human-AI teaming. -- Explainable AI for Automated User-specific Feedback in Surgical Skill Acquisition. -- Real-Time, Dynamic, and Highly Generalizable Ultrasound Image Simulation-Guided Procedure Training System for Musculoskeletal Minimally Invasive Treatment. -- Human-in-the-loop model training. -- Learning What is Worth Learning: Active and Sequential Domain Adaptation for Multi-modal Gross Tumor Volume Segmentation. -- Guided Active Learning for Medical Image Segmentation. -- Applications of human-AI interaction, collaboration,

and human factor analysis. -- User Perception of Attention Visualizations: Effects on Interpretability Across Evidence-Based Medical Documents. -- Simulating Inter-observer Variability Across Clinical Experience Levels. -- Boosting transparency, interpretability, and risk management. -- Perceptual Evaluation of GANs and Diffusion Models for Generating X-rays.

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**Sommario/riassunto**

This book constitutes the refereed proceedings of the First International Workshop, HAIC 2025, held in Conjunction with MICCAI 2025, Daejeon, South Korea, in September 27, 2025. The 9 full papers presented in this book were carefully selected and reviewed from 12 submissions. These papers have been organized in the following topical sections: Medical image computing; computer-assisted intervention; human-ai collaboration; human-computer interaction; human factor modeling; medical image analysis.

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