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Planning -- Simulation -- Patient specific models for computer assisted interventions -- Medical robotics and surgical navigation -- Interventional imaging and advanced intra-op visualization -- Cognition, modeling and context awareness -- Clinical applications, systems, software, and validation.

Sommario/riassunto

This book constitutes the refereed proceedings of the 5th International Conference on Information Processing in Computer-Assisted Interventions, IPCAI 2014, held in Fukuoka, Japan, on June 28, 2014. The 28 papers presented were carefully reviewed and selected from 58 submissions. The papers are organized in topical sections on planning,

simulation, patient specific models for computer assisted interventions, medical robotics and surgical navigation, interventional imaging and advanced intra-op visualization, cognition, modeling and context awareness, clinical applications, systems, software, and validation.