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receptors and neural pathways; 4.4 Inter-sensory integration; 4.5 Unity of the senses; 4.6 Studies with blind subjects; 4.7 Haptic cognition; 4.8 Multimodal spatial interactions; 4.9 Three dimensional shapes; 4.10 Do the hands differ in haptic cognition?; 4.11 Millar's reference hypothesis; 4.12 Is vision necessary for haptic perception?; Hand and skill; 5.1 Developing motor skills; 5.2 Hand preferences differ from hand ability; 5.3 Hand ability
5.4 Implications of hand abilityEpilogue; References; Author index; Subject index

Sommario/riassunto

This volume adds new dimension and organization to the literature of touch and the hand, covering a diversity of topics surrounding the perception and cognition of touch in relation to the hand. No animal species compare to humans with regard to the haptic (or touch) sense, so unlike visual or auditory cognition, we know little about such haptic cognition. We do know that motor skills play a major role in haptics, but senses like vision do not determine hand preference or hand ability. It seems also that the potential ability to perform a task may be present in both hands and evidence indicate