Music: Motor Control and The Brain

As an important tool for the brain, music can provide an engaging and effective method for rehabilitation. This book covers various aspects of music and motor control, including the physiological and neurological mechanisms underlying musical and motor behavior. It explores the motor and cognitive processes involved in music performance and production, and discusses the role of music in the rehabilitation of neurological disorders. The book is aimed at researchers, clinicians, and music therapists who are interested in the interdisciplinary field of music and motor control.

The book is divided into several parts, each focusing on different aspects of music and motor control. The first part covers the neurobiological foundations of music and motor control, while the second part explores the role of music in the rehabilitation of neurological disorders. The third part discusses the motor and cognitive processes involved in music performance and production, and the fourth part focuses on the interdisciplinary applications of music and motor control in clinical settings.

The book features contributions from leading experts in the field, including neuroscientists, music therapists, and rehabilitation therapists. It provides a comprehensive overview of the latest research in music and motor control, and highlights the potential applications of these findings in clinical settings. The book is an essential resource for anyone interested in the interdisciplinary field of music and motor control.