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[Diffusion MRI of the Breast 1st Edition](#)

"Diffusion MRI of the Breast" is an indispensable resource penned by esteemed authors Dr. E. H. K. (Emira H. Khoury) and Dr. A. M. M. (Ali M. Mansour), published by Academic Press. This first edition, bearing the ISBN 9780128136870, delves into the transformative role of diffusion magnetic resonance imaging (MRI) in the evaluation and diagnosis of breast disease. As a comprehensive guide, this book meticulously explores the technical foundations and clinical applications of diffusion MRI, presenting an array of innovative imaging techniques that enhance the detection of breast lesions, improve diagnostic accuracy, and facilitate treatment planning. Readers will benefit from in-depth discussions on the biological principles underlying diffusion processes in tissue, as well as practical insights into the interpretation of diffusion-weighted images. The authors adeptly illuminate the evolving landscape of breast imaging, offering valuable perspectives on the integration of diffusion MRI into routine clinical practice and research settings. With a wealth of case studies, illustrative figures, and expert narratives, "Diffusion MRI of the Breast" serves as an essential reference for radiologists, oncologists, and medical imaging professionals seeking to deepen their understanding of this cutting-edge modality. This thought-provoking text not only highlights the clinical relevance of diffusion MRI but also emphasizes ongoing research and future directions in the field, making it a must-have compendium for anyone invested in advancing breast imaging techniques. Whether you are a seasoned professional or a newcomer to the field, this book is poised to enrich your knowledge and enhance your practice, ensuring you remain at the forefront of breast cancer diagnosis and management.