

ADVANCES IN HEALTH AND DISEASE



# Advances in Health and Disease

Volume 85



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Editor

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This book focuses on advances in health and disease. Chapter 1 is aimed at research that enables the creation of an automated diagnostic classification AI service capable of reliably estimating at least four levels of depression based on AO analysis. Chapter 2 discusses the underlying mechanisms, therapeutic challenges, and best practices that could improve contrast-induced acute kidney injury (CI-AKI) in patients. Chapter 3 discusses obesity and the role of endocrine-disrupting chemicals in the development of obesity. Chapter 4 discusses thyroid hormones and how they play a critical role in the female reproductive system. Chapter 5 focuses on neem leaf extracts and their anti-inflammatory and antioxidant properties. Chapter 6 provides an approach for employing game theory-based interventions to manage cardiovascular imaging and artificial intelligence in a hospital. Finally, Chapter 7 discusses the classification of facial skin images based on microrelief using a convolutional neural network.

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