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BOOK REVIEW

Radiology in Global Health: Strategies, Implementation and Applications
Edited by Daniel J. Mollura and Matthew P. Lungren
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Abstract

This book review examines Mollura and Lungren's (eds.) *Radiology in Global Health: Strategies, Implementation, and Applications* (2014). The contributors have attempted to investigate root causes for radiological service-related disparity that exists between prosperous economies and low- and middle-income countries. The book is clearly geared towards manufacturing consent among stakeholders through research-based evidence to amplify the role of radiology in global healthcare through initiation, implementation, amelioration, and developing sustainable solutions for rollout of essential diagnostic/therapeutic radiology services at population levels. This includes reducing access gaps for radiology/imaging services within industrialized countries as well.

RADIOLOGY is a crucial component of modern medicine that is often overlooked in discussions of global health. False perceptions of radiology services among medical practitioners, health care workers, and health-policy makers often confine radiology's role to patient care at an individual level only. The reality is upside down. Essential diagnostic technologies are considered an integral component of primary health care by the World Health Organization (WHO), yet billions of people worldwide are devoid of even basic X-ray and ultrasound facilities. Mollura and Lungren's (eds.) new book *Radiology in Global Health* examines the intertwined issues associated with radiology and population health goals. Contributors investigate the disparity that exists between high-income countries and low-/middle-income countries. Part I is an excellent resource for radiology planers to identify specific imaging needs for a specific population, develop a holistic concept of radiology within different levels of a health system, better understand the multidisciplinary approach of a successful radiology workforce, and ultimately develop a sustainable model of radiology services in resource-poor countries. Contributors describe RAD-AID International initiatives to scale up radiology services and foster an environment of expertise and knowledge-sharing, including strategic approaches, technical designs, and clinical models of establishing effective radiology solutions across different regional and cultural contexts. Part II focuses on dedicated clinical applications in the radiological science of global health. Each chapter presents a clear picture of the role of radiological interventions to achieve high-impact goals of public health. The boundaries of global health have been blurred in today's world, due to changing population dynamics and a significant increase in life expectancy. Sophisticated radiological investigations once thought to be provided within tertiary-level hospitals need to be provided at the community level. The use of advance imaging modalities (such as CT and MRI) and teleradiology/telemedicine technologies has the potential to introduce a model of high-level, sustainable and cost-effective radiology solutions that can be implemented across a range of resource-limited settings.

Radiology in Global Health offers the bigger picture of radiology and imaging in relation to global health. It is an immensely valuable resource for any dedicated healthcare worker involved in global health or the application of technology in health. □