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medical physics encourages submissions describing novel cutting edge physics and engineering developments in medical imaging ionizing radiation therapy and other image guided therapeutic interventions topics of particular interest include medical physics deals with the application of the concepts and methods of physics to the prevention diagnosis and treatment of human diseases with a specific goal of improving human health and well being medical physics is a distinct field of its own built upon a foundation of physics but focusing on application to medicine medical physics provides the technical foundations of radiology radiation oncology nuclear medicine and radiation safety medical physics primarily focuses on ionizing radiation measurement magnetic resonance imaging and applying physics based technologies lasers and ultrasound in medicine medical physics is the scientific journal of the american association of physicists in medicine and is an official science journal of the canadian organization of medical physicists the canadian college of physicists in medicine and the international organization for medical physics iomp physica medica european journal of medical physics publishing with elsevier from 2007 provides an international forum for research and reviews on the main topics related to the major areas of scientific and professional activities of medical physics radiation therapy diagnostic and therapeutic nuclear medicine whether coming from particle or quantum physics new ideas are finding their way into medical physics applications the road from the physics lab to doctors in hospitals is almost always medical physics is the application of physics to medicine it uses physics concepts and procedures in the prevention diagnosis and treatment of disease medical physics fulfils a key role in medicine in biological and medical research and in the optimisation of certain health related activities executive summary physics has made critically important contributions to health ever since the birth of medicine 5000 years ago these

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