



Technology and Health Care

Aims and Scope

Technology and Health Care is intended to serve as a forum for the presentation of articles, observing rigorous scientific standards, from the following areas:

- Technology development in medicine: New concepts, procedures and devices associated with the use of technology in medicine are presented to a readership with a widespread background in engineering and / or medicine
- Interaction of medical technology and health care policy: The effects, efficacy and general influence deriving from the application of engineering in medicine with respect to public health including financial and political aspects are discussed
- Reviews and tutorials: Tutorial articles for persons with a primary engineering background on particular and topical problems of clinical medicine and *vice versa* are featured

General topics within the journal's scope in alphabetical order are: artificial organs, bioelectronics, bioinstrumentation, biomagnetism, biomaterials, biological signal processing, biomedical micro- and nanotechnology, biosensors, BME in biotechnology, cardiovascular biomechanics, cell biomechanics, clinical laboratory, computers in medicine, communication aids, dental biomechanics, disability aids, drug delivery systems, ergonomics / human factors, gait analysis, genetic engineering, gerontology, health care delivery system, injury biomechanics, hemodynamics, lasers in medicine, medical devices, medical imaging, medical informatics, medical optics, medical physics, medical systems analysis, molecular biomechanics, musculoskeletal biomechanics, neural networks, orthopaedic biomechanics, orthotics, patient monitoring, pharmacological systems, pulmonary biomechanics, prosthetics, radiology / nuclear medicine, rehabilitation engineering, rheumatology, sensory and cognitive aids, telemedicine, tissue engineering, therapeutic and diagnostic devices, trauma and impact, and wound healing.

While it is recognized that the foregoing includes a broad range of topics, it is expected that the majority of the published material will deal with applied engineering research in health care and in clinical medicine. Papers solely concerned with engineering techniques are appropriate and welcome only if the methodology or the instrumentation described are important in medicine. The journal will include full length original scientific papers, survey articles, technical notes, book reviews, and letters to the Editor. Typically the contributions have a length of 4000 words. They are to be submitted to one of the Editors-in-Chief according to the submission procedure outlined on the back cover and are subject to a peer review.

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