

Should I submit my paper to Medical Physics? Or to Journal of Applied Clinical Medical Physics (JACMP)?

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American Association of Physicists in Medicine Journal of Applied Clinical Medical Physics

Outline

- · Medical Physics and JACMP
 - Core values and editorial vision
 - -Review process
 - Journal performance statistics
 - -Papers we want and don't want
 - Recent changes
- · Acknowledgement of potential Conflicts of Interest
 - Both Jeff and Michael are compensated by AAPM for their editorial roles

Med Phys Vision and Mission

- Bill Hendee (2005): "...to publish the very best science that propels our discipline forward and improves our contribution to patient care."
- The discipline is broad: "...application of physics concepts and methods to diagnosis and treatment of disease"
 - Medical imaging applications: pyscho-physics, system design, image reconstruction/restoration
 - » X-rays, US, MR, RF, etc. for anatomy, elasticity, electrical impedance, molecular state, physiology, etc.
 - Therapy: equipment optimization, planning, tracking, dosimetry, outcome modeling, biology, response imaging
 - » RT, IG surgery, RF/US oblation and thermal therapy
 - Basic research:
 - Segmentation, registration, feature extraction, voxel labeling
 Imaging and dosimetry

 - » Physiology, biology, statistics

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Medical Physics: Desirable Articles · To identify and publish the best contributions in -Basic science developments with potential for improving patient care -clinical translation and validation of previous basic science innovations - High impact clinical physics innovations addressing a significant problem of broad interest Features of publishable articles - Novelty and/or high potential clinical/scientific impact - Generalizable scientific data or conclusion - Addresses unsolved problems of concern to our readership Med Phys: Types of articles · Research Article: report of original experimental or theoretical research - Up to 10 pages free: \$200/ page >10 Technical Note (5 pages) Medical Physics Letter (5 pages) - Rapid review: highly novel, high impact development Medical Physics Dataset article - Publically accessible dataset of interest to researchers Review article Future of Medical Physics (previously Vision 20/20) article Point/Counterpoint Task Group Reports and Special Reports Heavily represented Med Phys Research Areas Image processing/analysis - Segmentation, feature extraction, registration Dosimetry and radiation detectors · X-ray CT, CBCT, PET physics -Reconstruction, performance assessment, dose reduction, artifact mitigation, detector

- Phase-contrast imaging

2D/3D dosimetry, Monte Carlo planning, plan optimization, IMPT, motion management

Breast imaging: new modalities, CADBasic research: elastography, electrical

impedance, fractal analysis,

Radiation therapy

Articles we don't encourage

- Educational articles and teaching innovations
- Peripheral/outside medical physics
 - Engineering technology, e.g., image processing, without clear translational or clinical application
 - Clinical studies with little medical physics content
- · Limited novelty/impact
 - Clinical physics/QA/technical of narrow scope, i.e., evaluation of single commercial product
 - Duplication of existing studies
 - No new generalizable data or novel technology
 - -Excessively incremental "salami" publications
 - Premature/underdeveloped
- · Poorly written articles

GENERAL JOURNAL PHILOSOPHY

- The Journal of Applied Clinical Medical Physics (JACMP) is an applied journal, which publishes papers that will help clinical medical physicists perform their responsibilities more effectively and efficiently for the increased benefit of the patient.
- The overriding focus of any JACMP paper should be its clinical application and value.
- If the treatment quality is better because of the paper or if the work to treat the patient is made more efficient, this is the type of paper we want
- The JACMP does not want papers where the primary focus of the article is a contribution to the science of medical physics and the clinical component is missing or diminished.

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PAPERS WE WOULD LIKE TO GET

- CLINICAL Review Articles
- CLINICAL Radiation Oncology Physics
- CLINICAL Imaging Physics
- CLINICAL Radiation Measurements
- CLINICAL Non-lonizing Topics
- Radiation Protection & Regulations
- Management and Profession
- Education

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PAPERS WE WOULD NOT LIKE TO GET

- SCIENTIFIC Radiation Oncology Physics
- SCIENTIFIC Imaging
- SCIENTIFIC Non-Ionizing Topics
- Clinical Radiation Biology
- Clinical Biophysics
 Clinical Radiation Oncology
 Clinical Radiology
- In short, if the paper does not help the practicing clinical medical physicist save time or do a better job for the patient, I would like not to get the

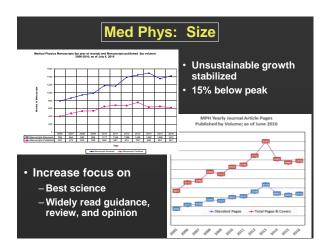
Review Process: Med Phys

- Single-blind review system
 - Referees know who authors are
 - Associate editor (AE) and referees (Ref) are anonymous to authors
- Process: for each manuscript
 - -One of three Editors (ED), Williamson, Das or Goodsitt, recruits an AE from our pool of 150 topical specialists, AEs, who in turn recruit referees
 - AE makes recommendation to ED
 - ED makes final decision
- Outcomes
 - 2015 Acceptance rate: 45%
 - 2 to 3 cycles of review
 - Culture: we work with authors to improve their Ms.

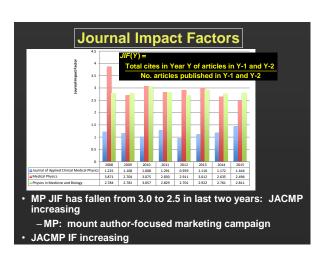
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REVIEW PROCESS

- JACMP uses a double blind review process. Submitted articles are anonymized and acknowledgements are redacted. The author(s) are unknown to the reviewers and the reviewers are unknown to the authors.
- Section Editors are identified based on their familiarity with the technologies and concepts discussed in the
- The Section Editor has the final say respecting the final disposition of the
- 2015 Acceptance Rate: 50%



TO NOT SELECT A SECOND		
	Year / Month	# Papers Received
JACMP	2010	249 / 21 per month
	2011	266 / 22 per month
NUMBER OF	2012	351 / 29 per month
PAPERS RECEIVED IN	2013	430 / 36 per month
A MONTH	2014	511 / 43 per month
	2015	582/ 49 per month
	Year	% Accepted
% OF PAPERS	2010	52%
ACCEPTED /		
DECLINED	2011	50%
DECLINED	2011	50% 48%
DECLINED		
DECLINED	2012	48%
DECLINED	2012	48%



Review Timeliness				
Mean time: submission to	Med Phys	JACMP		
final decision	105 days	46		
Online publication	196 days	179		

Major Changes for 2016-2017

- In January 2017, Wiley will become publisher of both Med Phys and JACMP
 - Peer review will be hosted on same peer-review management platform EJP
 - » Very similar to PXP platform used by AIPP for Med Phys
 - » MP and JACMP will share manuscripts and reviews with each other
 - » JACMP manual Ms processing/tracking vastly reduced
 - Hosted on same online platform
- Advantages of large publisher: enhancing impact
 - Vast increase in institutional subscribers/access
 - Substantial resources and commitment to major author- and reader-focused marketing campaign
 - Social media, dynamic article, and interactive features



JACMP

Article Publication Charge (APC)

\$500 for each article published for submission after 11/1/15

- Previously, with no subscription income and no author fees for gold open-access JACMP papers
- 20% annual rate of growth is unsustainable in absence of any significant income
- The \$500 APC fee covers only 50% of the direct cost of peer review and online publication
- APC waiver or discounting available
 - Inari Group A and B countries
 - Medical Physics graduate students and trainees who are first authors
- Med Phys income subsidizes AAPM activities
 - About 1/3 of AAPM operating income is derived from AAPM publishing activities

THE COST OF PUBLISHING DOUBLE PRICE VARY WITH MYLUNICE AND BUSINESS MODE. Price of prestige Characters price conside easily with the perspect of a journal of section of a journal of the perspect of a journal of the journal of the perspect of a journal of the journal o