

MAYO CLINIC
PROCEEDINGSThe 2020 Vision for *Mayo Clinic Proceedings*

It is my true privilege and pleasure to begin the new year by thanking all our authors, reviewers, and readers for their support of *Mayo Clinic Proceedings*, a journal now continuously published for some 94 years. The journal continues to enjoy a robust number of submissions with an estimated total number of 1495 submissions during 2019, of which 615 were the estimated number of submitted original articles; indeed, the wealth of original material submitted to *Mayo Clinic Proceedings* allowed a higher acceptance rate in 2019. The print circulation also remains robust as do visits to our website. Media coverage for articles published in *Mayo Clinic Proceedings* in 2019 exceeded such coverage in 2018, and social media is increasingly used to disseminate content. The Impact Factor for 2018, released in the summer of 2019, was 7.091, placing it in the top 8% of all general/internal medicine journals, and an Impact Factor which exceeds that of many clinical specialty and subspecialty journals. The abundance and strength of material submitted to *Mayo Clinic Proceedings* enable the *Proceedings* to serve as a dominant conduit for content for its expansion, open access, online only, journal *Mayo Clinic Proceedings: Innovations, Quality & Outcomes*, the latter now indexed in PubMed Central.

All successful journals have a certain definable persona and niche, and in this regard, *Mayo Clinic Proceedings* has traditionally offered and sought content that is diverse, encompassing, and deep. This defining nature of the *Proceedings*, one that will be both sustained and nurtured, reflects and speaks to the heterogeneity in interests and readership that exist in clinical practice, research, and education. Such a spectrum of

material enables, hopefully, our diverse readership to find appealing content in each and every issue. To this end, original material that critically drives forward a given field, as is provided by *Original Articles* and *Brief Reports*, is leavened by such content as *Medical Images*, *Path to Patient Image Quiz*, and *Case Reports*. The *Rapid Review Pathway* enables the expeditious evaluation of original work declined by high impact journals and which has adequately responded to the received critiques. Up-to-date syntheses of specific topics are provided by *Reviews*, *Concise Reviews for the Clinician*, *My Treatment Approach*, and *Thematic Reviews*, while *Residents' Clinics*, based on an instructive clinical case, uses a question and answer format to inform and educate. *Special Articles* target important and timely topics. Opinion pieces are found in articles such as *Commentaries* as well as the more recently introduced *Perspectives and Controversies*. *Letters to the Editor* is a feature we very much now encourage as they provide a forum for either brief targeted research findings; succinct, easy to read, stand-alone pieces; or a dialogue with authors of previously published articles. Up-front content is expanded by increasing the number of *Editorials* and introducing *In the Limelight*, a feature that was started in 2019 and which discusses three or four articles that were not otherwise highlighted by an accompanying *Editorial*. Also appearing in 2019 were the first *Understanding Disease* article (an article that discusses pathobiology of disease written by the specialist and intended for the generalist) and the launch of *The Compass* (led by Drs Richard Sharp and Daniel Hall-Flavin), which features articles centered on

bioethics and health humanities. A new section on Aging and Geriatric Medicine was begun in 2019 (led by Dr Robert Pignolo), and planned for 2020 is a new section on Radiology, Imaging, and Intervention to be led by Dr James Andrews.

In the past couple of years, the cover of *Mayo Clinic Proceedings* has been thematic, with neurology and neurosurgery being the theme in 2018 and cardiovascular disease in 2019. For 2020, the theme chosen for the cover image is diabetes mellitus. This composite cover image shows on moving from left to right: an ultrawide field fundus photograph depicting severe proliferative diabetic retinopathy with tractional retinal detachment and vitreous hemorrhage (courtesy Dr Raymond Iezzi); periodic acid–Schiff (PAS)-stained histologic image of diabetic nephropathy demonstrating diffuse and nodular diabetic glomerulosclerosis (courtesy Dr Sanjeev Sethi); a closed loop glucose:insulin control system (the artificial pancreas) for the treatment of type 1 diabetes (courtesy Dr Yogish Kudva and Ms Shelly McCrady-Spitzer); and a pictorial representation of kidney and pancreas transplantation for type 1 diabetes (courtesy Dr Yogish Kudva, Dr Ravinder Kaur, and Ms Joanna King).

Diabetes mellitus was chosen as the cover theme for 2020 mainly for two reasons: First, this disease is of monumental medical importance, and, second, there is now an approaching centenary of success in the treatment of this disease. Diabetes mellitus is rising in prevalence in the United States and worldwide and adversely affects so many organ systems, imposing such individual suffering, morbidity, mortality, and health care costs. Against the enormity of this disease's burden are remarkable discoveries in the understanding and treatment of diabetes mellitus. This year marks the 100-year anniversary of a critical insight by Banting that led, in his collaboration with Best, to the isolation of insulin from the pancreas in 1921, and ultimately to the award of the Nobel Prize in 1922 to Banting and Macleod. The introduction of insulin and other therapeutic advances in diabetes mellitus represent true medical milestones. In this issue of *Mayo Clinic Proceedings*, Drs Kudva and Nair provide a compelling and masterly overview of diabetes

mellitus that covers the development of insulin therapeutics and the closed loop delivery system, transplantation therapy, insulin resistance, immunotherapy and precision medicine in diabetes, and the effect of therapy on diabetic complications. These editorialists touch upon the dark side of insulin, that is, the high cost of insulin, a topic discussed in detail by an accompanying *Commentary* by Dr Vincent Rajkumar in this issue. Under the leadership of Dr Kudva, *Mayo Clinic Proceedings* will be introducing in 2020 a Thematic Review series on diabetes mellitus, and in collaboration with its publisher, *Mayo Clinic Proceedings* has issued a call for papers on diabetes mellitus.

Mayo Clinic Proceedings is most fortunate to be part of a remarkable network of authors, reviewers, and readers, receiving input from multitudinous authors, evaluating with expert reviewers the relative merit of submissions, and disseminating selected works to its readership. Networks greatly matter and determine the success of any activity, with the strength of any network dependent upon its connectivity, in particular, the connectivity between hubs and nodes. *Mayo Clinic Proceedings* is so thankful for such connectivity and support, most enthusiastically looks forward to continued engagement, and extends its very best wishes for 2020 to its entire network.

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