All ophthalmologists recognize the difficulty of treating glaucoma patients. As providers of ophthalmic care to an underserved population, we find that many of the same challenges exist here in Jackson County, Missouri, as in other similar demographic and geographic areas. They include, but are not limited to, the changing face of glaucoma patients, communication barriers, and access to care.

DEMOGRAPHIC AND GEOGRAPHIC CHANGES

One of the greatest challenges nationwide is the growing number of patients with glaucoma, in many of whom the disease is undiagnosed. The number of Americans with primary open-angle glaucoma (POAG) is conservatively expected to increase by more than 20% per decade to approximately 3.5 million individuals by 2020.1 Additionally, given the changing demographics of the country over the next decades, the single largest demographic group with POAG is predicted to transition from non-Hispanic white women to Hispanic men.1

The geographic distribution of POAG is also evolving. It has been estimated that, by 2050, some states will have as many as six patients with POAG per every 100 persons over the age of 40.1 Unfortunately, nearly 50% of cases of glaucoma may be undiagnosed.2 In the Visual Impairment Project in Australia, in over 60% of patients with probable or definite open-angle glaucoma, the disease was previously undiagnosed.3 There are likely tens of thousands of patients in the United States with early, undiagnosed glaucoma who have seen an eye care provider in the past year, not to mention the multitudes who have not had access to care.

COMMUNICATION

Contrary to glaucoma’s often asymptomatic presentation and slow progression, the disease’s treatment is not without side effects, which negatively affects patients’ adherence and necessitates their effective education in the clinic. The “silence” of the disease can delay its treatment and make it difficult to control.

Communicating the necessity of screening, routine follow-up, testing, long-term medical therapy, and surgery is difficult under the best of circumstances. It becomes a major hurdle with the underserved
access to care

Moving forward, a majority of potential glaucoma patients will be of Medicare age, but a large number will be younger and not qualify for this program. Estimates vary, but about 750,000 people between the ages of 40 and 60 are expected to have POAG by 2020. These patients have access to care through a variety of commercial insurance plans, government-sponsored health plans, and local medical coverage assistance programs.

In the Kansas City, Missouri, metropolitan area, many traditionally underserved patients come to Truman Medical Center (TMC) for their care. The majority of patients in the eye clinic have Medicare, Missouri Medicaid, and the TMC Discount. The last is a local medical coverage assistance program provided to legal residents of Jackson County who do not meet the eligibility requirements of other assistance programs. Each of these three insurance plans covers some, but not all, costs of clinic visits, medications, and surgeries. Even at drastically reduced prices, the long-term use of multiple glaucoma medications can still represent a significant financial burden, which again necessitates effective education and doctor-patient communication.

The implementation of the Affordable Care Act’s health insurance marketplaces may improve patients’ access to ophthalmic services, but the challenges of a growing glaucoma population, changing demographics, and communication barriers will remain. In addition, the need for local medical coverage assistance programs will probably continue. Patients may avail themselves of programs similar to the TMC Discount, for example, if they choose to pay the individual mandate penalty instead of buying insurance, they are undocumented and therefore do not qualify for the insurance marketplaces, they continue with lower-quality plans that predate the Affordable Care Act, they live in states like Missouri that have not expanded Medicaid, and they fall into the gap between Medicaid coverage and insurance marketplace subsidies. The barriers to the treatment of glaucoma in the underserved patient population are great but not insurmountable. Multiple national initiatives are examining the changing face of the glaucoma patient and constructing tools and relationships to target at-risk populations with effective, culturally aware information. The challenge of providing these patients with access to care is also being addressed at a national and local level. As physicians invested in treating all patients with glaucoma, we welcome the increased attention and resources directed at better treating currently underserved glaucoma patients.

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