Survey III (NHANES III) data, which show a control rate (less than 140/90 mmHg) in patients on drugs of only 29 percent nationally, indicate that we should be working aggressively to get more patients on medication and under good control.8 As in the JNC V recommendations, patients with stage 1 hypertension should initially be advised to make lifestyle changes (weight loss, dietary sodium and alcohol reduction, increased physical activity). But many patients with stage 2 hypertension will ultimately need medications as well. Patients with stage 3 through 4 hypertension frequently initially require lifestyle changes and drug treatment. Once drugs are started, patients should continue with their medication, with goal blood pressures in those with uncomplicated hypertension ideally less than 130 mmHg systolic or 80 mmHg diastolic for optimal benefit to the patient. Although there are patients who make considerable lifestyle changes and succeed in drug withdrawal, the main priority for physicians is to get more hypertensive patients on lifestyle and drug treatments, not off.

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The Role of Procedures in Family Practice: Is There a Right Answer?

As family medicine matures and attempts to define its scope, as managed care programs move patients out of hospital settings, and as a progressively increasing percentage of health care services are performed in ambulatory settings, a large number of thorny questions arise regarding the proper role of procedures in family practice. The article by Prislin, Dinh, and Giglio¹ in this issue of the *Journal* addresses the following general and specific questions:

What is the impact of incorporating procedural activities into the clinical domain of family practice?

What effect does the availability of a procedure (in this case colposcopy) within a family practice clinic have on the test-ordering behavior of the physicians practicing there?

What effect does the availability of a diagnostic procedure within a family practice clinic have on the compliance of patients for whom the procedure is recommended?

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How much revenue is generated by adding a new diagnostic procedure to a practice, and does the potential of revenue generation from a procedure cause physicians to order the procedure inappropriately?

The appropriate place of procedures within the melting pot of activities and pursuits that comprise family medicine is unclear. There is much variance in the frequency of ownership of procedures by family physicians from rural to urban settings and among the geographic regions of the United States.² Several recent studies have attempted to describe the current frequency with which procedures are performed and the role of these procedures in both community and academic family medicine practices^{3,4} Other recent articles have addressed the propriety and appropriateness of family physicians as proceduralists.^{5,6}

Prislin and his colleagues have moved these research efforts a major step forward by attempting to consider the impact of adding a specific procedure to the practice at a family medicine clinic. Only by beginning to understand the effect of a procedure on a clinic, a group of patients receiving care, and a group of physicians providing care can we hope to begin to address the tantalizing questions concerning the proper role of procedures in family practice.

Much has been written about the desirability of studying the clinical outcomes that result from diagnostic and therapeutic interventions. If, when the diagnostic or therapeutic procedure in question is performed by family physicians in a family practice setting, these outcomes are beneficial for the patients (assuming the costs or risks are not excessive), then and only then can we start to understand and judge the appropriateness of the role of that procedure in family medicine. By studying the impact and outcomes of adding colposcopy to their practice, measured in terms of physician management of abnormal findings on Papanicolaou smears, patient compliance with physician recommendations, and revenue generated, the authors have expanded the dimensions of procedural study past the bounds of simple descriptions and anxious concerns about propriety and identity. In these ways this study represents a major step forward.

Although successful in many ways, the study by Prislin et al is inconclusive. The major problem, in my opinion, is that the study did not address

the question of whether providing colposcopy by family physicians in the family practice clinic setting was clinically beneficial to the health of the patients in question. Although outcomes were studied, this critical one was not addressed. The other problems that make it difficult to assess the meaning of this study are that the patient population might not have been typical of family practice clinics, because it represented an urban underserved site; the sample size was too small for many valid comparisons; and large numbers of records from the two early groups were lost, introducing a serious possibility of bias. Nevertheless, the authors correctly point to several valid conclusions that can be drawn as a result of their work. In spite of these problems, this study has elevated procedural research in family medicine to a new level.

So what is the right answer regarding the role of procedures in family practice? Although it is not clear yet, the process through which we might approach the question has been illuminated by the study here. The next task for academic proceduralists in family medicine will be to design studies that adequately measure the clinical outcomes of procedures performed by family physicians, as determined by their effects on the health of the patients involved. When the results of those studies are analyzed, the path to the right answer will be shorter.

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