TABLE 67-1 DRUGS ASSOCIATED WITH ERECTILE DYSFUNCTION

Classification	Drugs
Diuretics	Thiazides
	Spironolactone
Antihypertensives	Calcium channel blockers
	Methyldopa
	Clonidine
	Reserpine
	Beta blockers
	Guanethidine
Cardiac/antihyperlipidemics	Digoxin
	Gemfibrozil
	Clofibrate
Antidepressants	Selective serotonin reuptake inhibitors
	Tricyclic antidepressants
	Lithium
	Monoamine oxidase inhibitors
Tranquilizers	Butyrophenones
	Phenothiazines
H_2 antagonists	Ranitidine
	Cimetidine
Hormones	Progesterone
	Estrogens
	Corticosteroids
	GnRH agonists
	5α-Reductase inhibitors
	Cyproterone acetate
Cytotoxic agents	Cyclophosphamide
	Methotrexate
	Roferon-A
Anticholinergics	Disopyramide
	Anticonvulsants
Recreational	Ethanol
	Cocaine
	Marijuana

Abbreviation: GnRH, gonadotropin-releasing hormone.

cause ED. Estrogens, GnRH agonists, H_2 antagonists, and spironolactone cause ED by suppressing gonadotropin production or by blocking androgen action. Antidepressant and antipsychotic agents—particularly neuroleptics, tricyclics, and SSRIs—are associated with erectile, ejaculatory, orgasmic, and sexual desire difficulties.

If there is a strong association between the institution of a drug and the onset of ED, alternative medications should be considered. Otherwise, it is often practical to treat the ED without attempting multiple changes in medications, as it may be difficult to establish a causal role for a drug.

APPROACH TO THE PATIENT: Erectile Dysfunction

A good physician-patient relationship helps unravel the possible causes of ED, many of which require discussion of personal and sometimes embarrassing topics. For this reason, a primary care provider is often ideally suited to initiate the evaluation. However, a significant percentage of men experience ED and remain undiagnosed unless specifically questioned about this issue. By far the two most common reasons for underreporting of ED are patient embarrassment and perceptions of physicians' inattention to the disease. Once the topic is initiated by the physician, patients are more willing to discuss their potency issues. A complete medical and sexual history should be taken in an effort to assess whether the cause of ED is organic, psychogenic, or multifactorial (Fig. 67-3).

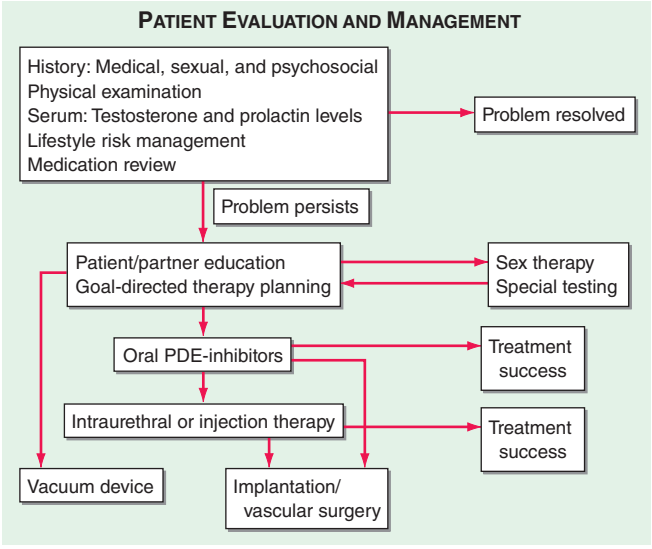

FIGURE 67-3 Algorithm for the evaluation and management of patients with erectile dysfunction. PDE, phosphodiesterase.

Both the patient and his sexual partner should be interviewed regarding sexual history. ED should be distinguished from other sexual problems, such as premature ejaculation. Lifestyle factors such as sexual orientation, the patient's distress from ED, performance anxiety, and details of sexual techniques should be addressed. Standardized questionnaires are available to assess ED, including the International Index of Erectile Function (IIEF) and the more easily administered Sexual Health Inventory for Men (SHIM), a validated abridged version of the IIEF.

The initial evaluation of ED begins with a review of the patient's medical, surgical, sexual, and psychosocial histories. The history should note whether the patient has experienced pelvic trauma, surgery, or radiation. In light of the increasing recognition of the relationship between lower urinary tract symptoms and ED, it is advisable to evaluate for the presence of symptoms of bladder outlet obstruction. Questions should focus on the onset of symptoms, the presence and duration of partial erections, and the progression of ED. A history of nocturnal or early morning erections is useful for distinguishing physiologic ED from psychogenic ED. Nocturnal erections occur during rapid eye movement (REM) sleep and require intact neurologic and circulatory systems. Organic causes of ED generally are characterized by a gradual and persistent change in rigidity or the inability to sustain nocturnal, coital, or self-stimulated erections. The patient should be questioned about the presence of penile curvature or pain with coitus. It is also important to address libido, as decreased sexual drive and ED are sometimes the earliest signs of endocrine abnormalities (e.g., increased prolactin, decreased testosterone levels). It is useful to ask whether the problem is confined to coitus with one partner or also involves other partners; ED not uncommonly arises in association with new or extramarital sexual relationships. Situational ED, as opposed to consistent ED, suggests psychogenic causes. Ejaculation is much less commonly affected than erection, but questions should be asked about whether ejaculation is normal, premature, delayed, or absent. Relevant risk factors should be identified, such as diabetes mellitus, coronary artery disease (CAD), and neurologic disorders. The patient's surgical history should be explored with an emphasis on bowel, bladder, prostate, and vascular procedures. A complete drug history is also important. Social changes that may precipitate ED are also crucial to the evaluation, including health worries, spousal death, divorce, relationship difficulties, and financial concerns.