## Gonorrhea Often Goes Undetected in Gay Men

BY MICHELE G. SULLIVAN Mid-Atlantic Bureau

CHICAGO — Despite visiting a sexual health clinic for screening tests, up to 35% of sexually active gay men might still have undiagnosed gonorrhea infections, Kristen Mahle said at a conference on STD prevention sponsored by the Centers for Disease Control and Prevention.

The undiagnosed rectal infections, as well as undiagnosed gonorrhea infections

of the pharynx and urethra, occur because many clinics don't routinely screen asymptomatic men at all possible sites of exposure, said Ms. Mahle of the Centers for Disease Control and Prevention. "[Most] gonorrhea infections at nongenital sites are asymptomatic. Clinics conducting routine gonorrhea screenings for sexually active men who have sex with men should screen based on behavior, not just on symptoms."

Her analysis drew on data from the Men Who Have Sex With Men Prevalence Monitoring Project. This 4-year study included data on 89,500 visits to STD and gay men's health clinics in eight U.S. cities. Participants were aged 15-65 years.

In all tested men-symptomatic and asymptomatic—the urethral gonorrhea rate was 1%, the rectal gonorrhea rate was 5%, and that of pharyngeal gonorrhea, 3%.

Almost half of the men (48%) were asymptomatic at their clinic visit, yet 7% of the urethral infections, 26% of the rectal infections, and 11% of the pharyngeal infections were in that group. However, only 52% of asymptomatic men who reported exposure were tested at all three sites. Most of those reporting urethral exposure were tested at the urethra (91%), but only 64% of those reporting rectal exposure received rectal testing, and 74% of those reporting pharyngeal exposure received pharyngeal testing. Ms. Mahle concluded 9% of the urethral infections, 35% of the rectal infections, and 25% of the pharyngeal infections went undiagnosed.

Brief Summary—see package insert for full prescribing information ARICEPT® (Donepezil Hydrochloride Tablets)

ARICEPT® ODT (Donepezil Hydrochloride) Orally Disintegrating Tablets INDICATIONS AND USAGE ARICEPT® is indicated for the treatment of dementia of the Alzheimer's type. Efficacy has been d in patients with mild to moderate Alzheimer's Disease, as well as in patients with severe Alzheimer's Disease CONTRAINDICATIONS ARICEPT® is contraindicated in patients with known hypersensitivity to donepezil hydrochloride or to piperidine derivatives. **WARNINGS** Anesthesia: ARICEPT<sup>®</sup>, as a cholinesterase inhibitor, is likely to exaggerate succinylcholine-type muscle relaxation during anesthesia. **Cardiovascular Conditions**: Because of their pharmacological action, cholinesterase inhibitors may have vagotonic effects on the sinoatrial and atrioventricular nodes. This effect may manifest as bradycardia or heart block in patients both with and without known underlying cardiac conduction abnormalities. Syncopal episodes have been reported in association with the use of ARICEPT". **Gastrointestinal Conditions**: Through their primary action, cholinesterase inhibitors may be expected to increase gastric acid secretion due to increased cholinergic activity. Therefore, patients should be monitored closely for symptoms of active or occult gastrointestinal bleeding, especially those at increased risk for developing ulcers, e.g., those with a history of ulcer disease or those receiving concurrent nonsteroidal anti-inflammatory drugs (NSAIDS). Clinical studies of ARICEPT have shown no increase, relative to placebo, in the incidence of either peptic ulcer disease or gastrointestinal bleeding. ARICEPT\*, as a predictable consequence of its pharmacological properties, has been shown to produce diarrhea, nausea and vomiting. These effects, when they occur, appear more frequently with the 10 mg/day dose than with the 5 mg/day dose. In most cases, these effects have been mild and transient, sometimes lasting one to three weeks, and have resolved during continued use of ARICEPT\* Genitourinary: Although not observed in clinical trials of ARICEPT\*, cholinomimetics may cause bladder outflow obstruction **Neurological Conditions:** Seizures: Cholinomimetics are believed to have some potential to cause generalized convulsions However, seizure activity also may be a manifestation of Alzheimer's Disease. *Pulmonary Conditions:* Because of their cholinomimetic actions, cholinesterase inhibitors should be prescribed with care to patients with a history of asthma or obstructive pulmonary disease. PRECAUTIONS Drug-Drug Interactions (see Clinical Pharmacology Clinical Pharmacokinetics: Drug-drug Interactions) Effect of ARICEPT\* on the Metabolism of Other Drugs: No in vivo clinical trials have investigated the effect of ARICEPT\* on the clearance of drugs metabolized by CYP3A4 (e.g. cisapride, terfenadine) or by CYP2D6 (e.g. imigramine). However, in vitro studies show a low rate of binding to these enzymes (mean K, about 50-130 µM), that, given the therapeutic plasma concentrations of donepezil (164 nM), indicates little likelihood of interference. Whether ARICEPT\* has any potential for enzyme induction is not known. Formal pharmacokinetic studies evaluated the potential of ARICEPT\* for interaction with theophylline cimetidine, warfarin, digoxin and ketoconazole. No effects of ARICEPT® on the pharmacokinetics of these drugs were observed. Effect of Other Drugs on the Metabolism of ARICEPT": Ketoconazole and quinidine, inhibitors of CYP450, 3A4 and 2D6, respectively. inhibit donepezil metabolism in vitro. Whether there is a clinical effect of quinidine is not known. In a 7-day crossover study in 18 healthy volunteers, ketoconazole (200 mg q.d.) increased mean donepezil (5 mg q.d.) concentrations (AUC<sub>0.24</sub> and 0<sub>sss.</sub>) 9,36%. The clinica relevance of this increase in concentration is unknown. Inducers of CYP 2D6 and CYP 3A4 (e.g., phenytoin, carbamazepine dexamethasone, rifampin, and phenobarbital) could increase the rate of elimination of ARICEPT\*. Formal pharmacokinetic studies demonstrated that the metabolism of ARICEPT\* is not significantly affected by concurrent administration of digoxin or cimetidine. Use with Anticholineraics: Because of their mechanism of action, cholinesterase inhibitors have the potential to interfere with the activity of anticholinergic medications. Use with Cholinomimetics and Other Cholinesterase Inhibitors: A synergistic effect may be expected when cholinesterase inhibitors are given concurrently with succinvlcholine, similar neuromuscular blocking agents or cholinergic agonists such as bethanechol. Carcinogenesis, Mutagenesis, Impairment of Fertility No evidence of a carcinogenic potential was obtained in an 88-week carcinogenicity study of donepezil hydrochloride conducted in CD-1 mice at doses up to 180 mg/kg/day (approximately 90 times the maximum recommended human dose on a mg/m² basis), or in a 104-week carcinogenicity study in Sprague-Dawley rats at doses up to 30 mg/kg/day (approximately 30 times the maximum recommended human dose on a mg/m² basis). Done pezil was not mutagenic in the Ames reverse mutation assay in bacteria, or in a mouse lymphoma forward mutation assay in vitro. In the chromosome aberration test in cultures of Chinese hamster lung (CHL) cells, some clastogenic effects ere observed. Donepezil was not clastogenic in the *in vivo* mouse micronucleus test and was not genotoxic in an *in vivo* unscheduled DNA synthesis assay in rats. Donepezil had no effect on fertility in rats at doses up to 10 mg/kg/day (approximately 8 times the maximum recommended human dose on a mg/m² basis). **Pregnancy Pregnancy Category C**: Teratology studies conducted in pregnant rats at doses up to 16 mg/kg/day (approximately 13 times the maximum recommended human dose on a mg/m² basis) and in pregnant rabbits at doses up to 10 mg/kg/day (approximately 16 times the maximum recommended human dose on a mg/m² basis) did not disclose any evidence for a teratogenic potential of donepezil. However, in a study in which pregnant rats were given up to 10 mg/kg/day (approximately 8 times the maximum recommended human dose on a mg/m² basis) from day 17 of gestation through day 20 postpartum, there was a slight increase in still births and a slight decrease in pup survival through day 4 postpartum at this dose; the next lower dose tested was 3 mg/kg/day. There are no adequate or well-controlled studies in pregnant women ARICEPT\* should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus. Nursing Mothers II is not known whether donepeal is excreted in human breast milk. ARICEPT\* has no indication for use in nursing mothers. **Pediatric Use** There are no adequate and well-controlled trials to document the safety and efficacy of ARICEPT\* in any illness occurring in children Geriatric Use Alzheimer's disease is a disorder occurring primarily in individuals over 55 years of age. The mean age of the patients enrolled in the clinical studies with ARICEPT\* was 73 years; 80% of these patients were between 65 and 84 years old and 49% of the patients were at or above the age of 75. The efficacy and safety data presented in the clinical trials section were obtained from these patients. There were no clinically significant differences in most adverse events reported by patient groups ≥65 years old and <65 years old. ADVERSE REACTIONS Mild To Moderate Alzheimer's Disease Adverse Events Leading to Discontinuation The  $rates of discontinuation from controlled clinical trials of ARICEPT "due to adverse events for the ARICEPT" \verb|5 mg/day treatment groups| \\$ were comparable to those of placebo-treatment groups at approximately 5%. The rate of discontinuation of patients who received 7-day escalations from 5 mg/day to 10 mg/day, was higher at 13%. The most common adverse events leading to isocontinuation defined as those occurring in at least 2% of patients and at twice the incidence seen in placebo patients, are shown in Table 1. **Table 1**. Most Frequent Adverse Events Leading to Withdrawal from Controlled Clinical Trials by Dose Group (Placebo 5 mg/day ARICEPT\*, and 10 mg/day ARICEPT\*, respectively); Patients Randomized (355, 350, 315); Event/% Discontinuing: Nausea (1 %, 1 %, 3 %); Diarrhea (0 %, <1 %, 3 %); Vorniting (<1 %, <1 %, 2 %). Most Frequent Adverse Clinical Events Seen in Association with the Use of ARICEPT $^*$ . The most common adverse events, defined as those occurring at a frequency of at least 5% in patients receiving 10 mg/day and twice the placebo rate, are largely predicted by ARICEPT\* scholinomimetic effects. These include nausea, diarrhea, insomnia, vomiting, muscle cramp, fatigue and anorexia. These adverse events were often of mild intensity and transient, resolving during continued ARICEPT\* treatment without the need for dose modification. There is evidence to suggest that the frequency of these common adverse events may be affected by the rate of titration. An open-label study was conducted with 269 patients who received placebo in the 15 and 30-week studies. These patients were titrated to a dose of 10 mg/day over a 6-week period. The rates of common adverse events were lower than those seen in patients tilrated to 10 mg/day over one week in the controlled clinical trials and were comparable to those seen in patients on 5 mg/day. See Table 2 for a comparison of the most common adverse events following one and six week titration regimens. Table 2. Comparison of rates of adverse events in patients titrated to 10 mg/day over 1 and 6 weeks (No titration: Placebo [n=315], No titration: 5 mg/day [n=311], One week titration: 10 mg/day [n=315], Six week titration: 10 mg/day [n=269], respectively): Nausea (6%, 5% Muscle cramps (2%, 6%, 8%, 3%); Anorexia (2%, 3%, 7%, 3%). Adverse Events Reported in Controlled Trials The events cited reflect experience gained under closely monitored conditions of clinical trials in a highly selected patient population. In actual clinical practice or in other clinical trials, these frequency estimates may not apply, as the conditions of use, reporting behavior, and the kinds of patients treated may differ. Table 3 lists treatment emergent signs and symptoms that were reported in at least 2% of patients in placebo-controlled trials who received ARICEPT® and for which the rate of occurrence was greater for ARICEPT® assigned that placebo assigned patients. In general, adverse events occurred more frequently in female patients and with advancing age. **Table 3** Adverse Events Reported in Controlled Clinical Trials in Mild to Moderate Alzheimer's Disease in at Least 2% of Patients Receiving ARICEPT" and at a Higher Frequency than Placebo-treated Patients (Body System/Adverse Event: Placebo [n=355], ARICEPT\* [n=747], respectively): Percent of Patients with any Adverse Event: 72, 74. Body as a Whole: Headache (9, 10); Pain, various locations (8, 9); Accident (6, 7); Fatigue (3, 5). Cardiovascular System: Syncope (1, 2). Digestive System: Nausea (6, 11); Diarrhea (5, 10); Vomiting (3, 5); Anorexia (2, 4). Hemic and Lymphatic System Ecchymosis (3, 4). Metabolic and Nutritional Systems: Weight Decrease (1, 3). Musculoskeletal System: Muscle Cramps (2, 6); Arthritis (1, 2), Nervous System: Insomnia (6, 9); Dizziness (6, 8); Depression (<1, 3); Abnormal Dreams (0, 3); Somnolence 1, 2). Urogenital System: Frequent Urination (1, 2). Other Adverse Events Observed During Clinical Trials. ARICEPT has been administered to over 1700 individuals during clinical trials worldwide. Approximately 1200 of these patients have been treated for at least 3 months and more than 1000 patients have been treated for at least 6 months. Controlled and uncontrolled trials

in the United States included approximately 900 patients. In regards to the highest dose of 10 mg/day, this population includes 650 patients treated for 3 months, 475 patients treated for 6 months and 116 patients treated for over 1 year. The range of patient exposure is from 1 to 1214 days. Treatment emergent signs and symptoms that occurred during 3 controlled clinical trials and two open-label trials in the United States were recorded as adverse events by the clinical investigators using terminology of their own choosing. To provide an overall estimate of the proportion of individuals having similar types of events, the events were grouped into a smaller number of standardized categories using a modified COSTART dictionary and event frequencies were calculated across all studies. These categories are used in the listing below. The frequencies represent the proportion of 900 patients from these trials who experienced that event while receiving ARICEPT\*. All adverse events occurring at least twice are included, except for those already listed in Tables 2 or 3, COSTART terms too general to be informative, or events less likely to be drug caused. Events are classified by body system and listed using the following definitions: frequent adverse events—those occurring in at least 1/100 patients; infrequent adverse events those occurring in 1/100 to 1/1000 patients. These adverse events are not necessarily related to ARICEPT\* treatment and in most cases were observed at a similar frequency in placebo-treated patients in the controlled studies. No important additional adverse events were seen in studies conducted outside the United States. **Body as a Whole:** Frequent: influenza, chest pain, toothache, Infrequent fever, edema face, periorbital edema, hernia hiatal, abscess, cellulitis, chills, generalized coldness, head fullness, listlessness Cardiovascular System: Frequent: hypertension, vasodilation, atrial fibrillation, hot flashes, hypotension; Infrequent: angina pectoris, postural hypotension, myocardial infarction, AV block (first degree), congestive heart failure, arteritis, bradycardia, peripheral vascular disease, supraventricular tachycardia, deep vein thrombosis. Digestive System: Frequent: fecal incontinence gastrointestinal bleeding, bloating, epigastric pain; Intraquent enudation, gingivitis, increased appetite, Italulence, periodiothal abscess cholelithiasis, diverticulitis, drooling, dry mouth, fever sore, gastritis, irritable colon, tongue edema, epigastric distress, gastroenteritis reased transaminases, hemorrhoids, ileus, increased thirst, iaundice, melena, polydipsia, duodenal ulcer, stomach ulcer, **Endocrine** System: Infrequent: diabetes mellitus, gotter. Hemic and Lymphatic System: Infrequent: anemia, Infrequent thrombocythemia thrombocytopenia, eosinophilia, erythrocytopenia. Metabolic and Nutritional Disorders: Frequent: dehydration; Infrequent gout, hypokalemia, increased creatine kinase, hyperglycemia, weight increase, increased lactate dehydrogenase. Musculoskeleta System: Frequent: bone fracture; Infrequent: muscle weakness, muscle fasciculation. Nervous System: Frequent: delusions tremor, irritability, paresthesia, aggression, vertigo, ataxia, increased libido, restlessness, abnormal crying, nervousness, aphasia Infrequent: cerebrovascular accident, intracranial hemorrhage, transient ischemic attack, emotional lability, neuralgia, coldness (localized), muscle spasm, dysphoria, gait abnormality, hypertonia, hypokinesia, neurodermatitis, numbness (localized), paranoia dysarthria, dysphasia, hostility, decreased libido, melancholia, emotional withdrawal, nystagmus, pacing. **Respiratory System** Frequent: dyspnea, sorethroat, bronchitis, Infrequent: epistaxis, post nasal drip, pneumonia, hyperventiliation, pulmonary congestion wheezing, hypoxia, pharyngitis, pleurisy, pulmonary collapse, sleep apnea, snoring. Skin and Appendages: Frequent: pruritus diaphoresis, urticaria; Infrequent: dermatitis, erythema, skin discoloration, hyperkeratosis, alopecia, fungal dermatitis, herpes zoste ungniciess, unuana, imegueri, cominans, eryonana, annosconianoni, rippenearauss, andecias, unigar vermanis, respectations, infections, singulari, singulari, and inficiality infections, singulari, singulari, et a la cominante inficiality, et a la cominante hemorrhage, ear buzzing, motion sickness, spots before eyes. Urogenital System: Frequent: urinary incontinence, nocturia Infrequent: dysuria, hematuria, urinary urgency, metrorrhagia, cystitis, enuresis, prostate hypertrophy, pyelonephritis, inability to emply bladder, breast fibroadenosis, fibrocystic breast, mastitis, pyuria, renal failure, vaginitis. Severe Alzheimer's Disease Adverse Events Leading to Discontinuation: The rates of discontinuation from controlled clinical trials of ARICEPT® due to adverse events for the ARICEPT® patients were approximately 12% compared to 7% for placebo patients. The most common adverse events leading to discontinuation, defined as those occurring in at least 2% of ARICEPT" patients and at twice the incidence seen in placebo patients, were anorexia (2% vs 1% placebo), nausea (2% vs <1% placebo), diarrhea (2% vs 0% placebo), and urinary tract infection (2% vs 1% placebo). Most Frequent Adverse Clinical Events Seen in Association with the Use of ARICEPT The most common adverse events, defined as those occurring at a frequency of at least 5% in patients receiving ARICEPT and twice the placebo rate, are largely predicted by ARICEPT"s cholinomimetic effects. These include diarrhea, anorexia, vomiting, nausea, and ecchymosis. These adverse events were often of mild intensity and transient, resolving during continued ARICEPT" treatment without the need for dose modification. Adverse Events Reported in Controlled Trials Table 4 lists treatment emergent signs and symptoms that were reported in at least 2% of patients in placebo-controlled trials who rec occurrence was greater for ARICEPT® assigned than placebo assigned patients. Table 4. Adverse Events Reported in Controlled Clinical Trials in Severe Alzheimer's Disease in at Least 2% of Patients Receiving ARICEPT" and at a Higher Frequency than Placebo-treated Patients (Body System/Adverse Event: Placebo [n=392], ARICEPT" [n=501], respectively): Percent of Patients with any Adverse Event: 73, 81. Body as a Whole: Accident (12, 13) Infection (9, 11); Headache (3, 4); Pain (2, 3); Back Pain (2, 3); Fever (1, 2); Chest Pain (<1, 2). Cardiovascular System: Hypertension (2, 3); Hemorrhage (1, 2); Syncope (1, 2). **Digestive System:** Diarrhea (4, 10); Vomiting (4, 8); Anorexia (4, 8); Nausea (2, 6). **Hemic and Lymphatic System:** Ecchymosis (2, 5). **Metabolic and Nutritional Systems:** Creatine Phosphokinase Increased (1, 3); Dehydration (1, 2); Hyperlipemia (<1, 2). **Nervous System:** Insomnia (4, 5); Hostility (2, 3); ns (1, 3); Somnolence (1, 2); Dizziness (1, 2); Depression (1, 2); Confusion (1, 2); Emotional Lability (1, 2); Personality Disorder (1, 2). Skin and Appendages: Eczema (2, 3). Urogenital System: Urinary Incontinence (1, 2). Othe Adverse Events Observed During Clinical Trials ARICEPT\* has been administered to over 600 patients with severe Alzheimer's Disease during clinical trials of at least 6 months duration, including 3 double blind placebo controlled trials, one of which had an open label extension. All adverse events occurring at least twice are included, except for those already listed in Table 4, COSTART terms too general to be informative, or events less likely to be drug caused. Events are classified by body system using the COSTART dictionary and listed using the following definitions: *frequent adverse events*—those occurring in at least 1/100 patients; *infrequent adverse* events—those occurring in 1/100 to 1/1000 patients. These adverse events are not necessarily related to ARICEPT\* treatment and in most cases were observed at a similar frequency in placebo-treated patients in the controlled studies. Body as a Whole: Frequence abdominal pain, asthenia, lungal infection, flu syndrome; Infrequent: allergic reaction, cellulitis, malaise, sepsis, face edema, hernia Cardiovascular System: Frequent: hypotension, bradycardia, ECG abnormal, heart failure; Infrequent: myocardial infarction angina pectoris, atrial fibrillation, congestive heart failure, peripheral vascular disorder, supravircular extrasystoles, cardiomegaly. Digestive System: Frequent: constipation, gastroenteritis, fecal incontinence, dyspepsia; Infrequent: garma glutamyt transpeptidase increase, gastritis, dysphagia, periodontitis, storrach ulcer, periodontal absossar, litatulence, liver function tests abnormal, eructation, esophagitis, rectal hemorrhage. Endocrine System: Infrequent: diabetes mellifus. Hemic and Lymphatic System: Frequent: anemia; Infrequent: leukocytosis. Metabolic and Nutritional Disorders: Frequent: weight loss, Exprinence system: Preports, and implementations of the properties hyponatemia, hypogroteinemia, iron deficiency anemia, SGOT increased, SGPT increased. Musculoskeletal System: Frequent arthritis; Infrequent: arthrosis, bone fracture, arthralgia, leg cramps, osteoporosis, myalgia. Nervous System: Frequent: agitation anxiety, tremor, convulsion, wandering, abnormal gait; Infrequent: apathy, vertigo, delusions, abnormal dreams, cerebrovascula accident, increased salivation, ataxia, euphoria, vasodilatation, cerebral hemorrhage, cerebral infarction, cerebral ischemia, dementia extrapyramidal syndrome, grand mal convulsion, hemiplegia, hypertonia, hypekinesia, Respiratory System: Frequent: pharyngitis pneumonia, cough increased, bronchitis; Infrequent: dyspnea, rhinitis, asthma. **Skin and Appendages:** Frequent: rash, skin ulcer pruritus; Infrequent: psoriasis, skin discoloration, herpes zoster, dry skin, sweating, urticaria, vesiculobullous rash. Special Senses infection, cystitis, hematuria, glycosuria; Infrequent: vaginitis, dysuria, urinary frequency, albuminuria. Postintroduction Reports Voluntary reports of adverse events temporally associated with ARICEPT® that have been received since market introduction that are not listed above, and that there is inadequate data to determine the causal relationship with the drug include the following: abdominal pain, agitation, cholecystitis, confusion, convulsions, hallucinations, heart block (all types), hemolytic anemia, hepatitis, hyponatremia neuroleptic malignant syndrome, pancreatitis, and rash. OVERDOSAGE Because strategies for the management of overdose are continually evolving, it is advisable to contact a Poison Control Center to determine the lates dations for the management of an overdose of any drug. As in any case of overdose, general supportive measures should be utilized. Overdosage with cholinesterase inhibitors can result in cholinergic crisis characterized by severe nausea vomiting, salivation, sweating, bradycardia, hypotension, respiratory depression, collapse and convulsions. Increasing muscle weakness is a possibility and may result in death if respiratory muscles are involved. Tertiary anticholinergics such as atropine may be used as an antidote for ARICEPT" overdosage. Intravenous atropine sulfate titrated to effect is recommended: an initial dose of 1.0 to 2.0 mg IV with subsequent doses based upon clinical response. Alypical responses in blood pressure and heart rate have been reported with other cholinomimetics when co-administered with quaternary anticholineraics such as alveonymolate. It is not known whether ARICEPT® and/or its metabolites can be removed by dialysis (hemodialysis, peritoneal dialysis, or hemofiltration). Dose-related signs of toxicity in animals included reduced spontaneous movement, prone position, staggering gait, lacrimation, clonic convulsions depressed respiration, salivation, miosis, tremors, fasciculation and lower body surface temperature

## Self-Collected Swabs Okay for STDs in Men

CHICAGO — Patient-collected rectal swabs are just as accurate as provider-collected swabs for diagnosing chlamydia and gonorrhea infections in men, Dr. Christine Wigen reported at a conference on STD prevention sponsored by the Centers for Disease Control and Prevention

Allowing men to collect their own specimens may help boost testing rates at STD clinics that lack appropriate staff, she said.

"Some STD testing sites don't have [the staff] to take samples from anatomical sites such as the rectum," she said in an interview. "[They] may only have a phlebotomist to draw blood for HIV or syphilis tests and can only take urine specimens for genitourinary testing of gonorrhea and chlamydia. In the past, the provider had to collect the rectal specimens [so] the test wouldn't be done. With the self-collected method, the testing is possible even in the absence of a provider."

In addition, she said, if the patient is asymptomatic, then the self-collected method fast-tracks him through the screening process, which would free up the provider to focus on symptomatic individuals and on those with positive tests.

Dr. Wigen examined the accuracy of 225 paired rectal swab samples collected from men who had experienced receptive anal sex in the previous year. Each provided both a self-collected swab and a swab collected by a provider during a visit to the Los Angeles Gay and Lesbian Center sexual health program, a community partner of the Los Angeles County Department of Public Health.

Their mean age was 34 years; 78% said they were gay, 11% said they were bisexual, 8% heterosexual, and 1% transgender.

Overall prevalence of rectal chlamydia was 19%. Provider- and self-collected swabs had a diagnostic agreement of 97%. Rectal chlamydia was found in 39 self-collected specimens and 40 provider-collected specimens. Overall prevalence of rectal gonorrhea was 16%. Provider- and self-collected swabs had a diagnostic agreement of 95%. Gonorrhea was found in 42 self-collected specimens and 37 provider-collected specimens. The sensitivity of self-collected swabs for both infections was 93%. Sensitivity of provider-collected swabs was 95% for chlamydia and 82% for gonorrhea.

—Michelle G. Sullivan