

High *H. pylori* cure rate for nonbismuth quadruple Tx

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Image courtesy of Blausen Medical

Optimized nonbismuth quadruple regimens, either hybrid or concomitant, have a cure rate of more than 90 percent for *Helicobacter pylori* infections, according to a study published in the July issue of *Gastroenterology*.

(HealthDay)—Optimized nonbismuth quadruple regimens, either hybrid or concomitant, have a cure rate of more than 90 percent for *Helicobacter pylori* (*H. pylori*) infections, according to a study published in the July issue of *Gastroenterology*.

Javier Molina-Infante, M.D., from the Hospital San Pedro de Alcantara in Caceres, Spain, and colleagues compared the efficacy of two optimized nonbismuth quadruple regimens among 343 consecutive individuals with *H. pylori* infection. Participants were randomized to receive hybrid therapy ([omeprazole](#) and [amoxicillin](#), twice daily for 14 days, plus clarithromycin and nitroimidazole twice daily for final seven days) or concomitant therapy (same drugs taken concurrently, twice

daily for 14 days).

The researchers found that rates of eradication for hybrid and concomitant therapies were 92 and 96.1 percent, respectively ($P = 0.07$), in per-protocol analysis. The rates were 90 and 91.7 percent, respectively ($P = 0.35$) in intention-to-treat analysis. Full compliance was high at 95.5 percent. *H. pylori* strains that were resistant to clarithromycin, [metronidazole](#), and both drugs were seen in 23.5, 33, and 8.8 percent of patients, respectively. Nearly half (51.5 percent) of patients reported mild side effects. The only significant predictor of eradication was compliance greater than 80 percent (odds ratio, 12.5). Compliance was significantly higher for hybrid therapy versus concomitant therapy (98.8 versus 95.2 percent; $P = 0.05$).

"Optimized nonbismuth quadruple hybrid and concomitant therapies cured more than 90 percent of patients with *H. pylori* infections in areas of high [clarithromycin](#) and metronidazole resistance," the authors write.

More information: [Abstract](#)
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