

Conflict of interest statement

Drs PI Hsu and PC Lin disclose no conflict of interest. Dr DY Graham is an unpaid consultant for Novartis in relation to vaccine development for treatment or prevention of *H. pylori* infection. Dr. Graham is also a paid consultant for RedHill Biopharma regarding novel *H. pylori* therapies and for Otsuka Pharmaceuticals regarding diagnostic testing. Dr Graham has received royalties from Baylor College of Medicine patents covering materials related to ¹³C-urea breath test.