

#### Appendix 4

RCTs published since 2000 that had compared levofloxacin triple therapy with other regimens as salvage treatment

1. Bilardi C, Dulbecco P, Zentilin P, et al. A 10-day levofloxacin-based therapy in patients with resistant *Helicobacter pylori* infection: a controlled trial. *Clin Gastroenterol Hepatol* 2004;2:997-1002.
2. Cheng HC, Chang WL, Chen WY, et al. Levofloxacin-containing triple therapy to eradicate the persistent *H. pylori* after a failed conventional triple therapy. *Helicobacter* 2007;12:359-63.
3. Chuah SK, Hsu PI, Chang KC, et al. Randomized comparison of two non-bismuth-containing second-line rescue therapies for *Helicobacter pylori*. *Helicobacter* 2012;17:216-23.
4. Chuah SK, Tai WC, Hsu PI, et al. The efficacy of second-line anti-*Helicobacter pylori* therapy using an extended 14-day levofloxacin/amoxicillin/proton-pump inhibitor treatment--a pilot study. *Helicobacter* 2012;17:374-81.
5. Di Caro S, Franceschi F, Mariani A, et al. Second-line levofloxacin-based triple schemes for *Helicobacter pylori* eradication. *Dig Liver Dis* 2009;41:480-5.
6. Gisbert JP, Gisbert JL, Marcos S, et al. Levofloxacin- vs. ranitidine bismuth citrate-containing therapy after *H. pylori* treatment failure. *Helicobacter* 2007;12:68-73.
7. Hu TH, Chuah SK, Hsu PI, et al. Randomized comparison of two nonbismuth-containing rescue therapies for *Helicobacter pylori*. *Am J Med Sci* 2011;342:177-81.
8. Karatapanis S, Skorda L, Georgopoulos S, et al. Levofloxacin-based triple therapy versus bismuth-based quadruple therapy as a second line treatment for the eradication of *H. pylori* infection. *Annals of Gastroenterology* 2009;22:263-267.
9. Kuo CH, Hu HM, Kuo FC, et al. Efficacy of levofloxacin-based rescue therapy for *Helicobacter pylori* infection after standard triple therapy: a randomized controlled trial. *J Antimicrob Chemother* 2009;63:1017-24.
10. Matsumoto Y, Miki I, Aoyama N, et al. Levofloxacin- versus metronidazole-based rescue therapy for *H. pylori* infection in Japan. *Dig Liver Dis* 2005;37:821-5.
11. Murakami K, Furuta T, Ando T, et al. Multi-center randomized controlled study to establish the standard third-line regimen for *Helicobacter pylori* eradication in Japan. *J Gastroenterol* 2013;48:1128-35.
12. Nista EC, Candelli M, Cremonini F, et al. Levofloxacin-based triple therapy vs. quadruple therapy in second-line *Helicobacter pylori* treatment: a randomized trial. *Aliment Pharmacol Ther* 2003;18:627-33.
13. Perri F, Festa V, Merla A, et al. Randomized study of different 'second-line' therapies for *Helicobacter pylori* infection after failure of the standard 'Maastricht triple therapy'. *Aliment Pharmacol Ther* 2003;18:815-20.
14. Wong WM, Gu Q, Chu KM, et al. Lansoprazole, levofloxacin and amoxicillin triple therapy vs. quadruple therapy as second-line treatment of resistant *Helicobacter pylori* infection. *Aliment Pharmacol Ther* 2006;23:421-7.
15. Yang JC, Lin CJ, Wang HL, et al. High-dose dual therapy is superior to standard first-line or rescue therapy for *Helicobacter pylori* infection. *Clin Gastroenterol Hepatol* 2015;13:895-905 e5.