RESEARCH NOTE

DETECTION OF Vaca Gene Specific for Helicobacter pylori in Hepatocellular Carcinoma and Cholangiocarcinoma Specimens of Thai Patients

Kawin Leelawat¹, Nithikoon Suksamrek², Surang Leelawat³ and Usa Lek-Uthai⁴

¹Division of Surgery, Rajavithi Hospital, Bangkok; ²Division of Molecular Laboratory, Vachira Hospital, Bangkok; ³Faculty of Pharmacy, Rangsit University, Pathum Thani; ⁴Faculty of Public Health, Mahidol University, Bangkok, Thailand

Abstract. In order to investigate and compare the presence of Helicobacter pylori VacA in primary liver cancer specimens (12 hepatocellular carcinoma and 6 cholangiocarcinoma) and control liver specimens (7 non-primary liver cancer) from Thai patients who underwent liver resection, H. pylori VacA gene was assayed in extracted DNA by real-time polymerase chain reaction. The selected amplicons revealed high homology compared with H. pylori VacA sequence. H. pylori VacA gene was detected in all primary liver cancer specimens and in 71% (5/7) of control liver specimens.

Correspondence: Dr Kawin Leelawat, Division of Surgery, Rajavithi Hospital, Ratchawithi Road, Ratchathewi, Bangkok 10400, Thailand.
Tel: +66 (0) 2354-8080; Fax: +66 (0) 2354-8080
E-mail: sckll@mahidol.ac.th