

RESEARCH NOTE

DETECTION OF *VacA* GENE SPECIFIC FOR *HELICOBACTER PYLORI* IN HEPATOCELLULAR CARCINOMA AND CHOLANGIOCARCINOMA SPECIMENS OF THAI PATIENTS

Kawin Leelawat¹, Nithikoon Suksumek², 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