



Title	Significance of portal venous VEGF during liver regeneration after hepatectomy.		
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Table 1. Oligonucleotide sequences of primer pairs used in RT-PCR a

Gene	Forward primer	Reverse primer	PCR fragment size (bp)
VEGF	GAACTTTCTGCTCTCTTGGG	CTGCATTCACATCTGCTATG	375
HIF-1a	GATCAGCCAGCAAGTCCTTC	GGAGCTGTGAATGTGCTGTG	1247
HGF	CCCAAATGTGACGTGTCAAG	TGTTTTGTTTTTGGCACAGGA	335
HGFA	GGCAAGAGGCACAAGAAGAG	CAGCAACCAGGGGGACCAGT	508

^a Each gene was coamplified with GAPDH

FIGURE LEGENDS

Figure. 1. The courses of liver regeneration during seven days after 70% partial hepatectomy. Values represent means \pm SD.

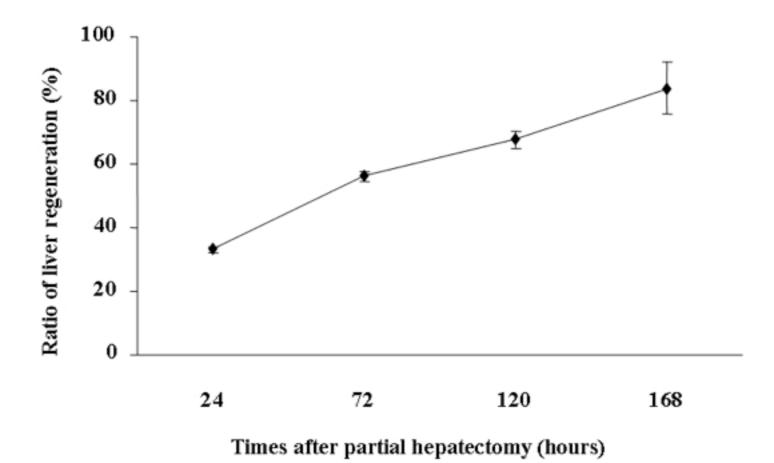
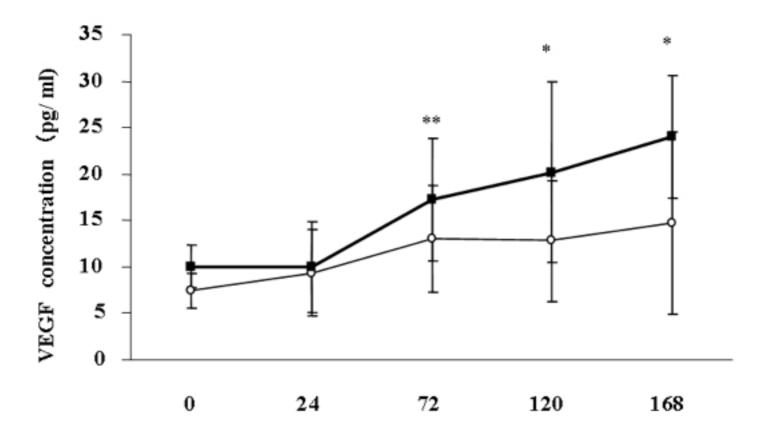
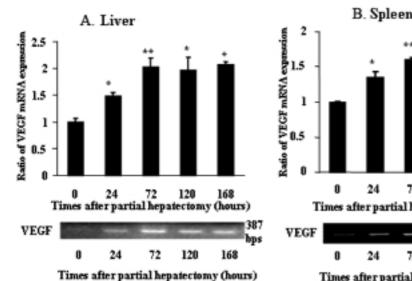


Figure. 2. The concentration of VEGF in plasma after 70% partial hepatectomy. Closed squares and opened circles represent portal venous blood and peripheral venous blood, respectively. *P<0.05 versus peripheral venous blood; **P<0.01 versus peripheral venous blood. Values represent means \pm SD.



Times after partial hepatectomy (hours)

Figure. 3. Changes in ratio of vascular endothelial growth factor (VEGF) mRNA expression after 70% partial hepatectomy in liver (A), spleen (B) and intestine(C). 0: Pre-hepatectomy. *P<0.05 versus 0 hours; **P<0.01 versus 0 hours; ***P<0.001 versus 0 hours. Values represent means \pm SD.



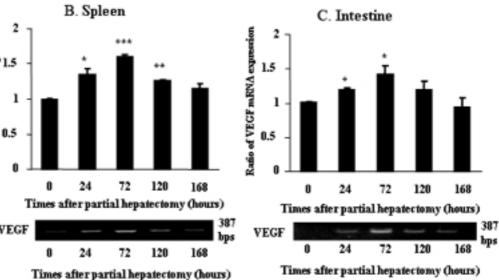
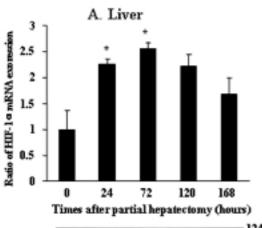
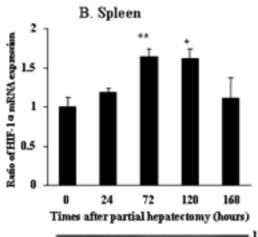
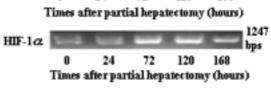


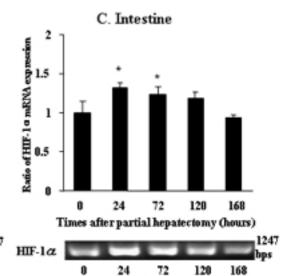
Figure. 4. Changes in ratio of hypoxia inducible factor- 1α (HIF- 1α) mRNA expression after partial 70% hepatectomy in liver (A), spleen (B) and intestine (C). 0: Pre-hepatectomy. *P<0.05 versus 0 hours; **P<0.01 versus 0 hours. Values represent means \pm SD.



HIF-1 α 0 24 72 120 168
Times after partial hepatectomy (hours)

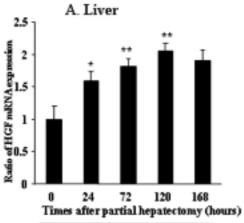




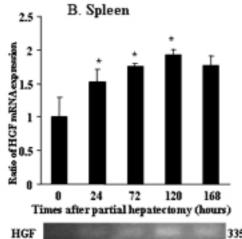


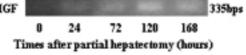
Times after partial hepatectomy (hours)

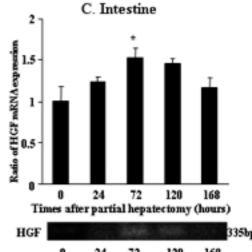
Figure. 5. Changes in ratio of hepatocyte growth factor (HGF) mRNA expression after 70% partial hepatectomy in liver (A), spleen (B) and intestine (C). 0: Pre-hepatectomy. *P<0.05 versus 0 hours; **P<0.01 versus 0 hours. Values represent means \pm SD.



HGF 335bps Times after partial hepatectomy (hours)







335bps Times after partial hepatectomy (hours)

Figure. 6. Changes in ratio of hepatocyte growth factor activator (HGFA) mRNA expression after 70% partial hepatectomy in liver (A), spleen (B) and intestine (C). 0: Pre-hepatectomy. *P<0.05 versus 0 hours; **P<0.01 versus 0 hours. Values represent means \pm SD.

