

World Journal of *Gastroenterology*

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CORRECTION

- 3138 *Helicobacter pylori* promotes invasion and metastasis of gastric cancer by enhancing heparanase expression
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***Helicobacter pylori* promotes invasion and metastasis of gastric cancer by enhancing heparanase expression**

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Abstract

Correction to "Liu LP, Sheng XP, Shuai TK, Zhao YX, Li B, Li YM. *Helicobacter pylori* promotes invasion and metastasis of gastric cancer by enhancing heparanase expression. *World J Gastroenterol* 2018; 24: 4565-4577 [PMID: 30386106 DOI: 10.3748/wjg.v24.i40.4565]." In this article, we have identified some of the images in Figure 2A, C, E, G, and I are identical to the images in Figures 1B, 2A, 3B, 3E, and 3G of another paper entitled "Liu L, Zhao Y, Fan G, Shuai T, Li B, Li Y. *Helicobacter pylori* infection enhances heparanase leading to cell proliferation via mitogenactivated protein kinase signalling in human gastric cancer cells.", which was published by us in the *Molecular Medicine Reports* in December, 2018 [PMID: 30320396 DOI: 10.3892/mmr.2018.9558]. The reason why we asked to replace the pictures was that when we were simultaneously preparing to submit our two different articles to the *World Journal of Gastroenterology (WJG)* and *Molecular Medicine Reports*, we uploaded the wrong pictures to the *WJG*, which were same as those submitted to the *Molecular Medicine Reports*. We apologize for this negligence and any inconvenience that this may cause. We would be grateful if

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you could replace the wrong pictures with the correct ones attached.

Key Words: Correction; Replace the wrong pictures; Gastric cancer; *Helicobacter pylori*

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Core Tip: This manuscript is to correct the images in Figure 2A, C, E, G, and I of "Liu LP, Sheng XP, Shuai TK, Zhao YX, Li B, Li YM. *Helicobacter pylori* promotes invasion and metastasis of gastric cancer by enhancing heparanase expression. *World J Gastroenterol* 2018; 24: 4565-4577 [PMID: 30386106 DOI: 10.3748/wjg.v24.i40.4565]."

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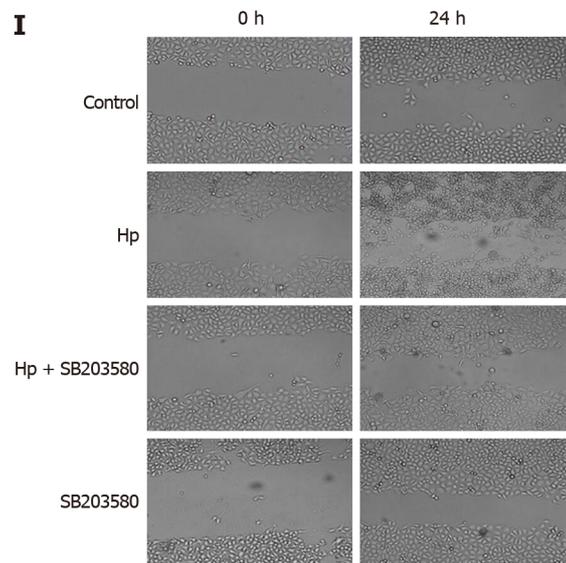
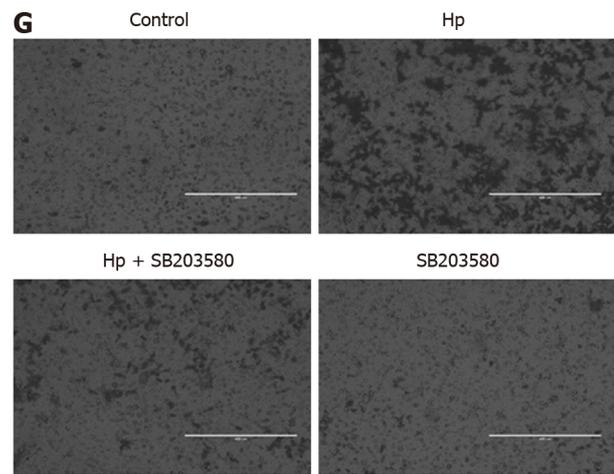
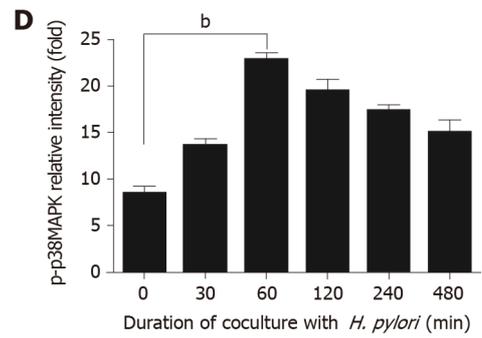
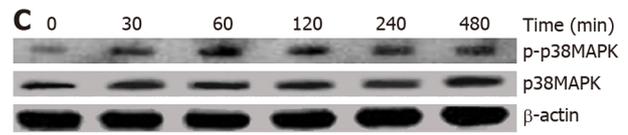
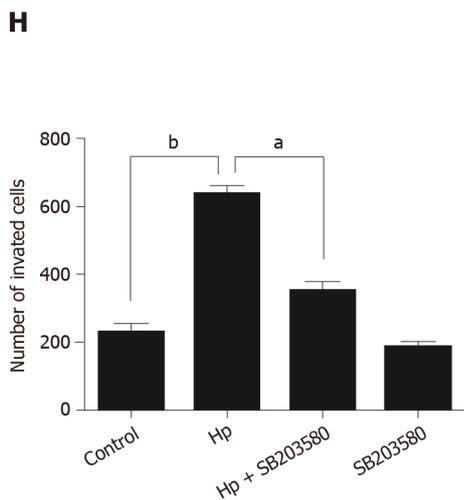
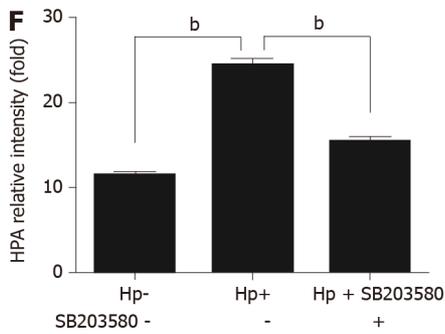
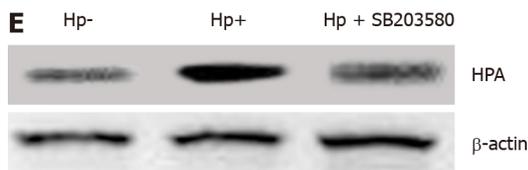
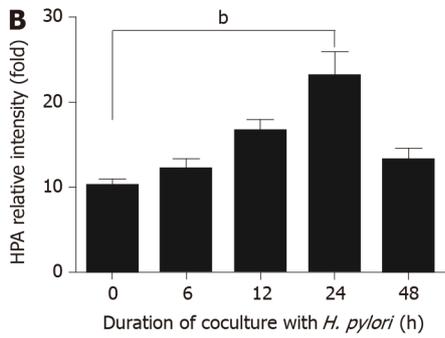
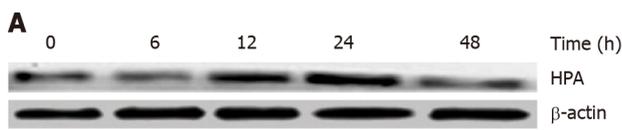
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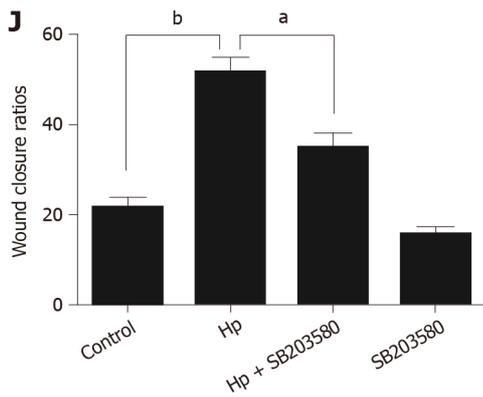


Figure 1 Heparanase protein expression following *Helicobacter pylori* infection in MKN-45 gastric cancer cells via the mitogen-activated protein kinase signaling pathway. A: Heparanase (HPA) expression was determined by Western blot at 0, 6, 12, 24, and 48 h after *Helicobacter pylori* (*H. pylori*) infection; B: Quantitative Western blot results of HPA; C: p-p38 mitogen-activated protein kinase (MAPK) expression was determined by Western blot at 0, 30, 60, 120, and 480 min after *H. pylori* infection; D: Quantitative Western blot results of p-p38MAPK; E: HPA expression when the MAPK inhibitor SB203580 was given to MKN-45 cells before *H. pylori* infection; F: Quantitative Western blot results of HPA when the MAPK inhibitor SB203580 was given. ^b*P* < 0.01 compared with the value at 0 h; G and H: Cell invasion rates in the three groups detected using a Transwell invasion assay; I and J: Migration rates in the three groups detected using a scratch migration assay. ^a*P* < 0.05, ^b*P* < 0.01. HPA: Heparanase; MAPK: Mitogen-activated protein kinase; *H. pylori*: *Helicobacter pylori*. Figure 2 in the original manuscript: Liu LP, Sheng XP, Shuai TK, Zhao YX, Li B, Li YM. *Helicobacter pylori* promotes invasion and metastasis of gastric cancer by enhancing heparanase expression. *World J Gastroenterol* 2018; 24: 4565-4577 [PMID: 30386106 DOI: 10.3748/wjg.v24.i40.4565].

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- 1 Liu LP, Sheng XP, Shuai TK, Zhao YX, Li B, Li YM. *Helicobacter pylori* promotes invasion and metastasis of gastric cancer by enhancing heparanase expression. *World J Gastroenterol* 2018; 24: 4565-4577 [PMID: 30386106 DOI: 10.3748/wjg.v24.i40.4565]
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