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**Name of journal: World Journal of Hepatology****Manuscript NO: 36310****Manuscript Type: ORIGINAL ARTICLE****Basic Study****Multipotent stromal cells stimulate liver regeneration by influencing the macrophage polarization in rat**Elchaninov A *et al.* MSCs, macrophages and liver regeneration

Andrey Elchaninov, Timur Fatkhudinov, Natalia Usman, Irina Arutyunyan, Andrey Makarov, Anastasia Lokhonina, Irina Eremina, Viktor Surovtsev, Dmitry Goldshtein, Galina Bolshakova, Valeria Glinkina, Gennady Sukhikh

**Abstract****AIM**

To investigate the influence of the umbilical cord-derived multipotent stromal cells (MSCs) on recovery of the liver after the subtotal resection, that is, removal of 80% of the organ mass, a renowned model of the small-for-size liver remnant syndrome.

**METHODS**

The MSCs were obtained from the intervacular tissue of umbilical cords, dissected

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