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Hepatic vagotomy blunts liver regeneration after hepatectomy by downregulating the expression of interleukin-22

BACKGROUND

Rapid regeneration of the residual liver is one of the key determinants of successful partial hepatectomy (PHx). At present, there is a lack of recognized safe, effective, and stable drugs to promote liver regeneration. It has been reported that vagus nerve signaling is beneficial to liver regeneration, but the potential mechanism at play here is not fully understood.

AIM

To explore the effects and mechanisms of hepatic vagus nerve in liver regeneration after partial hepatectomy.

METHODS

We established a mouse model with partial hepatectomy (PHx) combined with hepatic vagotomy (Hv).

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