

Emricasan, a pan caspase inhibitor, improves survival and portal hypertension in a murine model of common bile-duct ligation

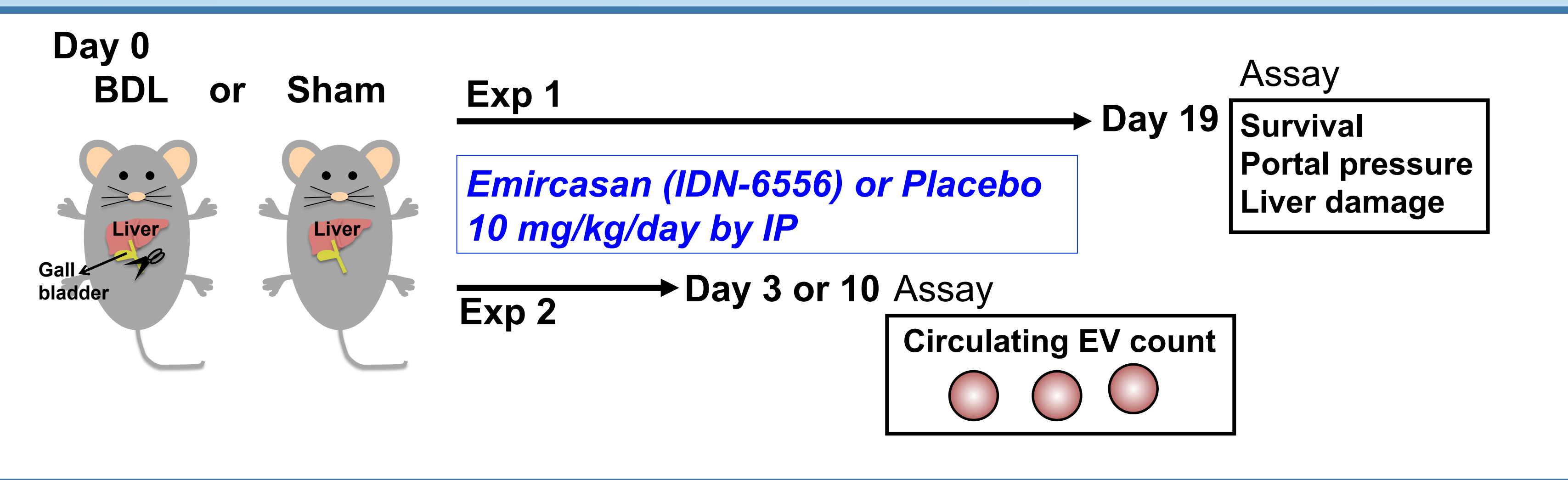
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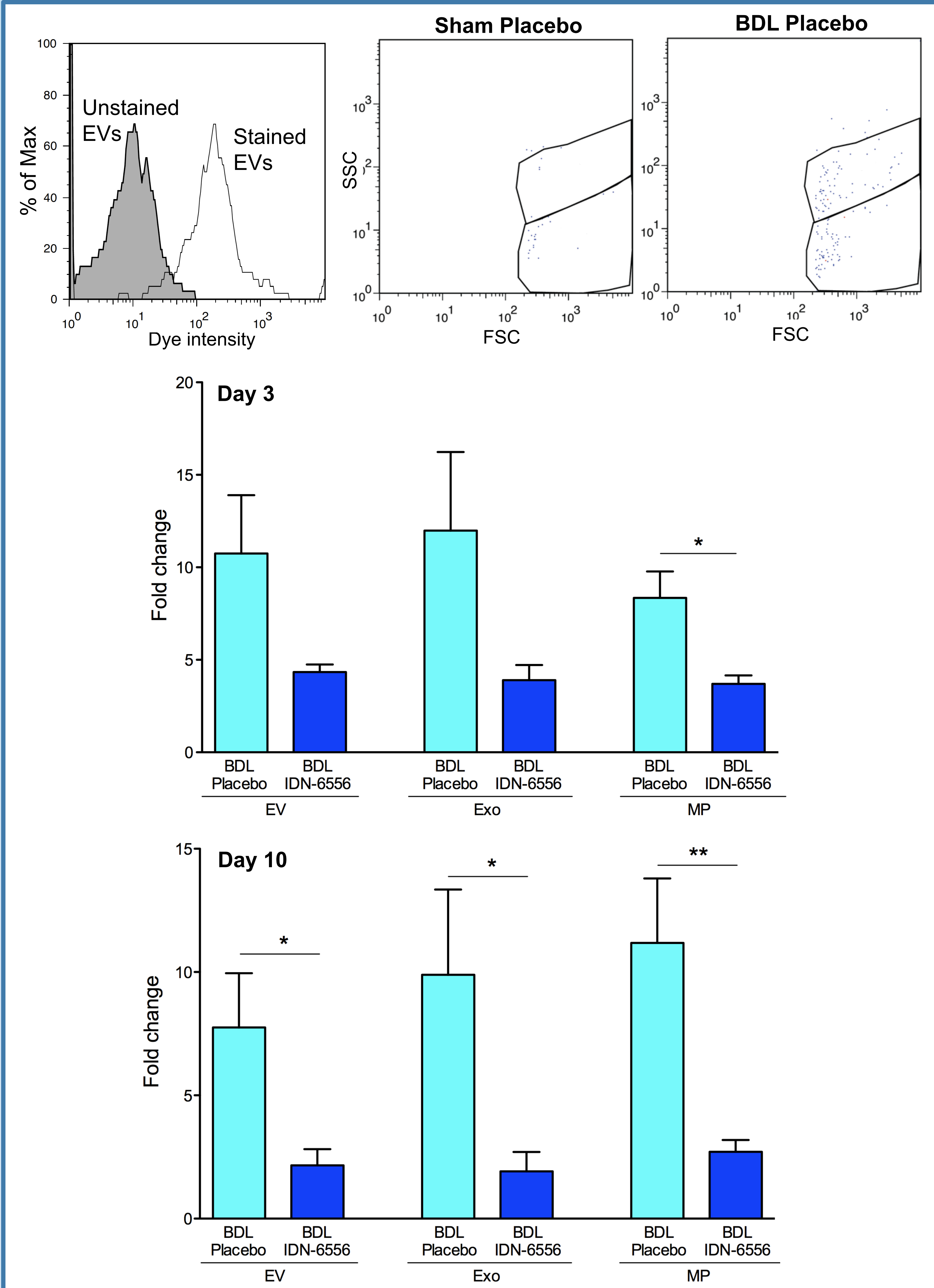
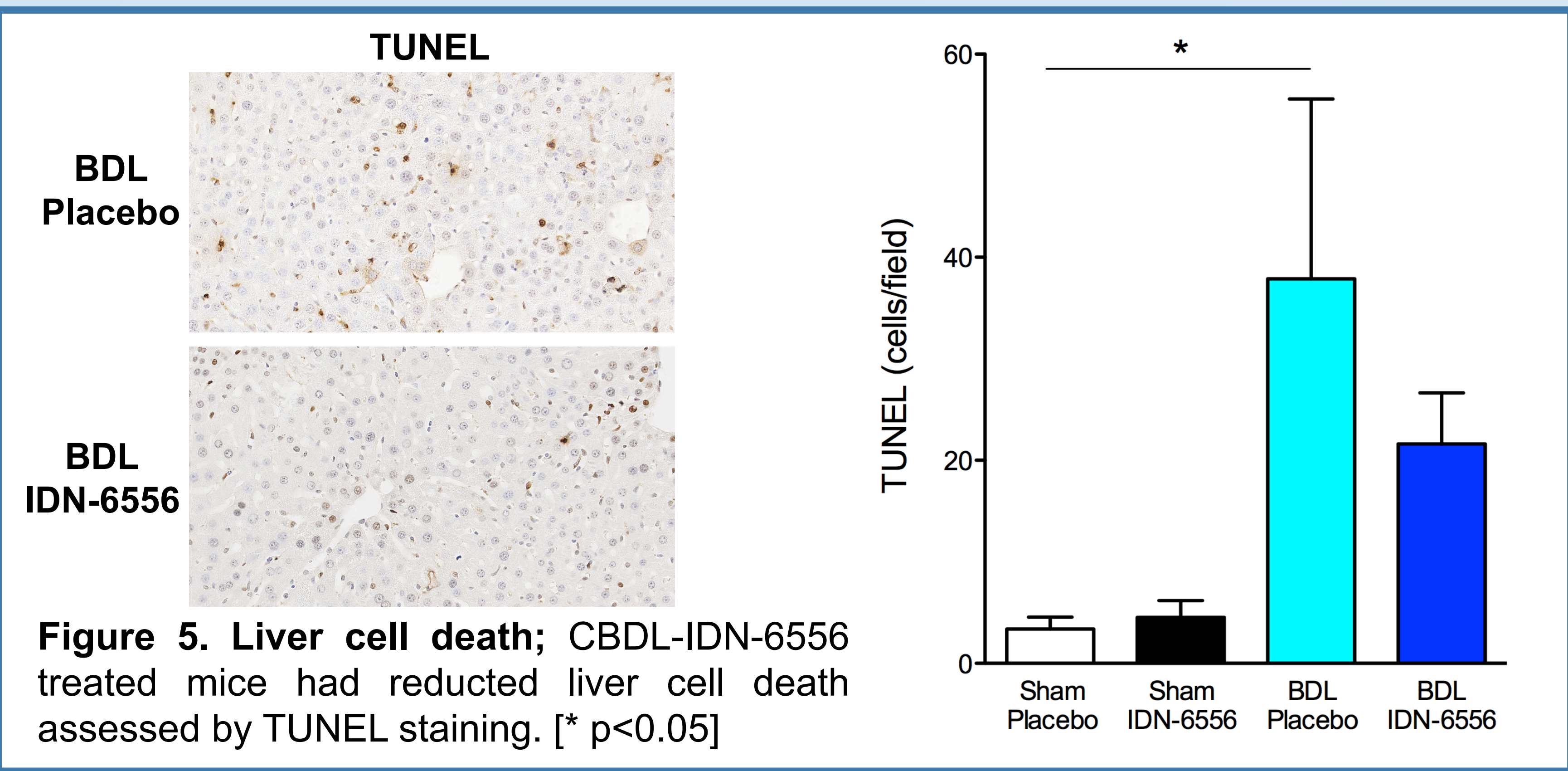
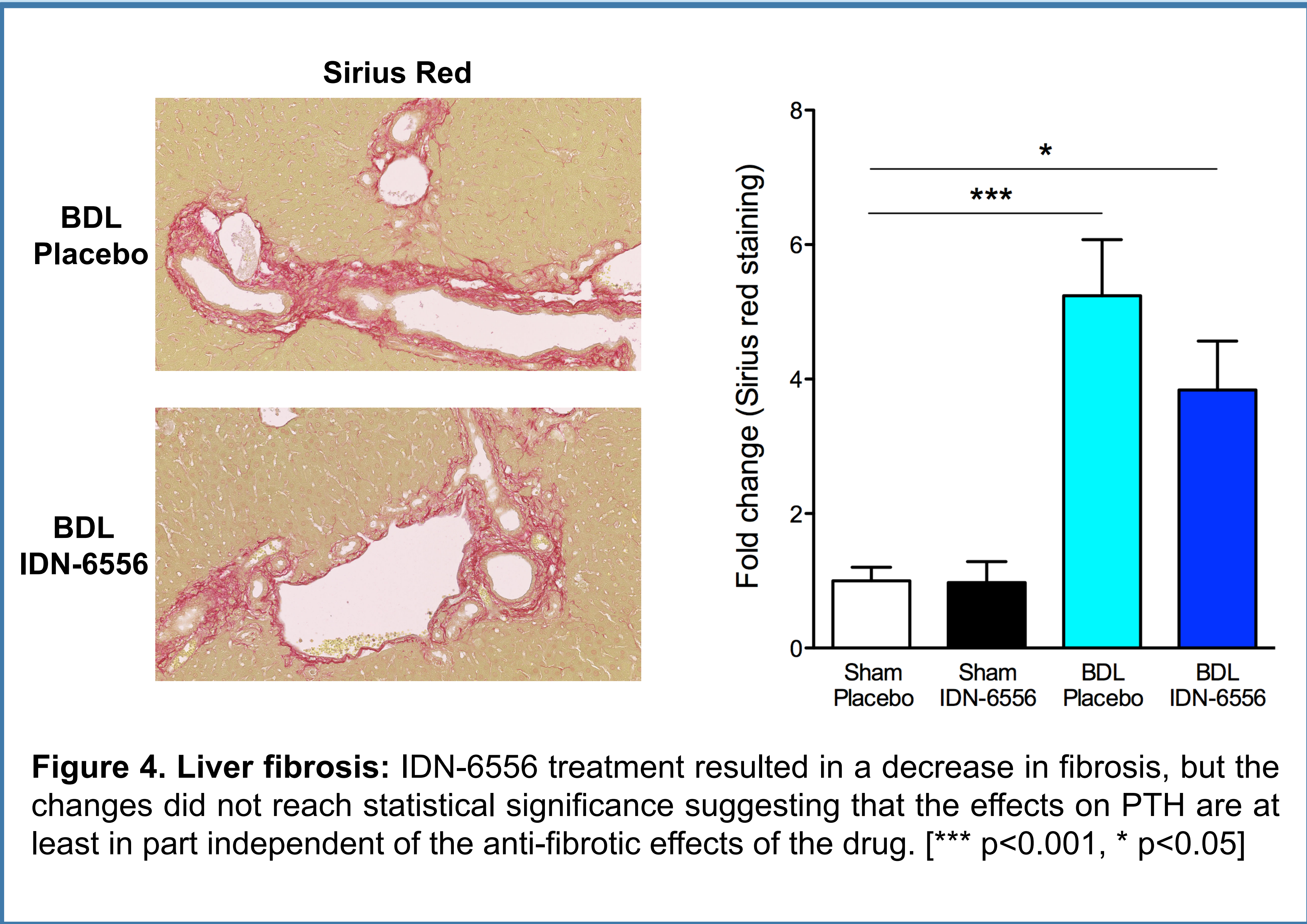
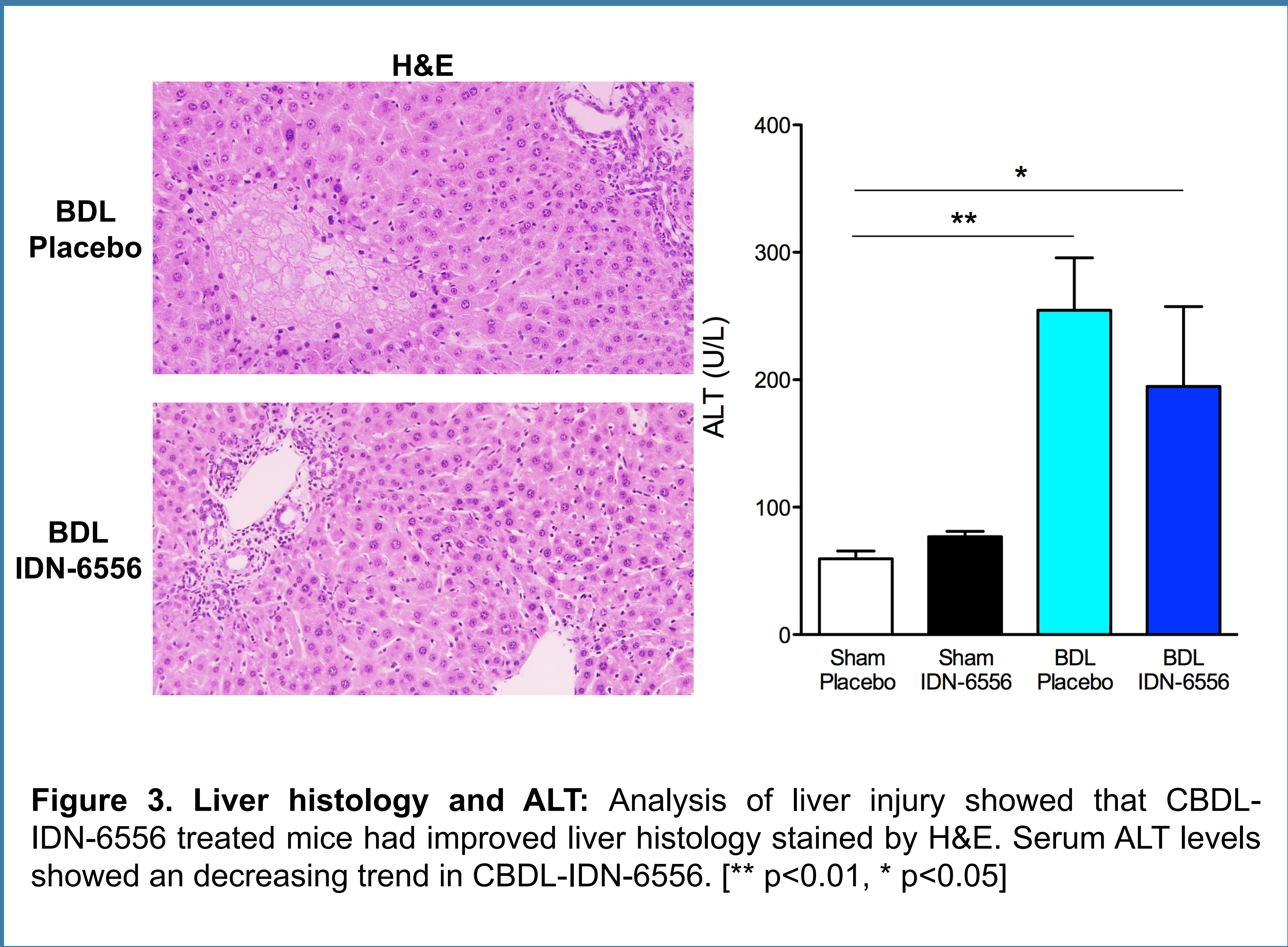
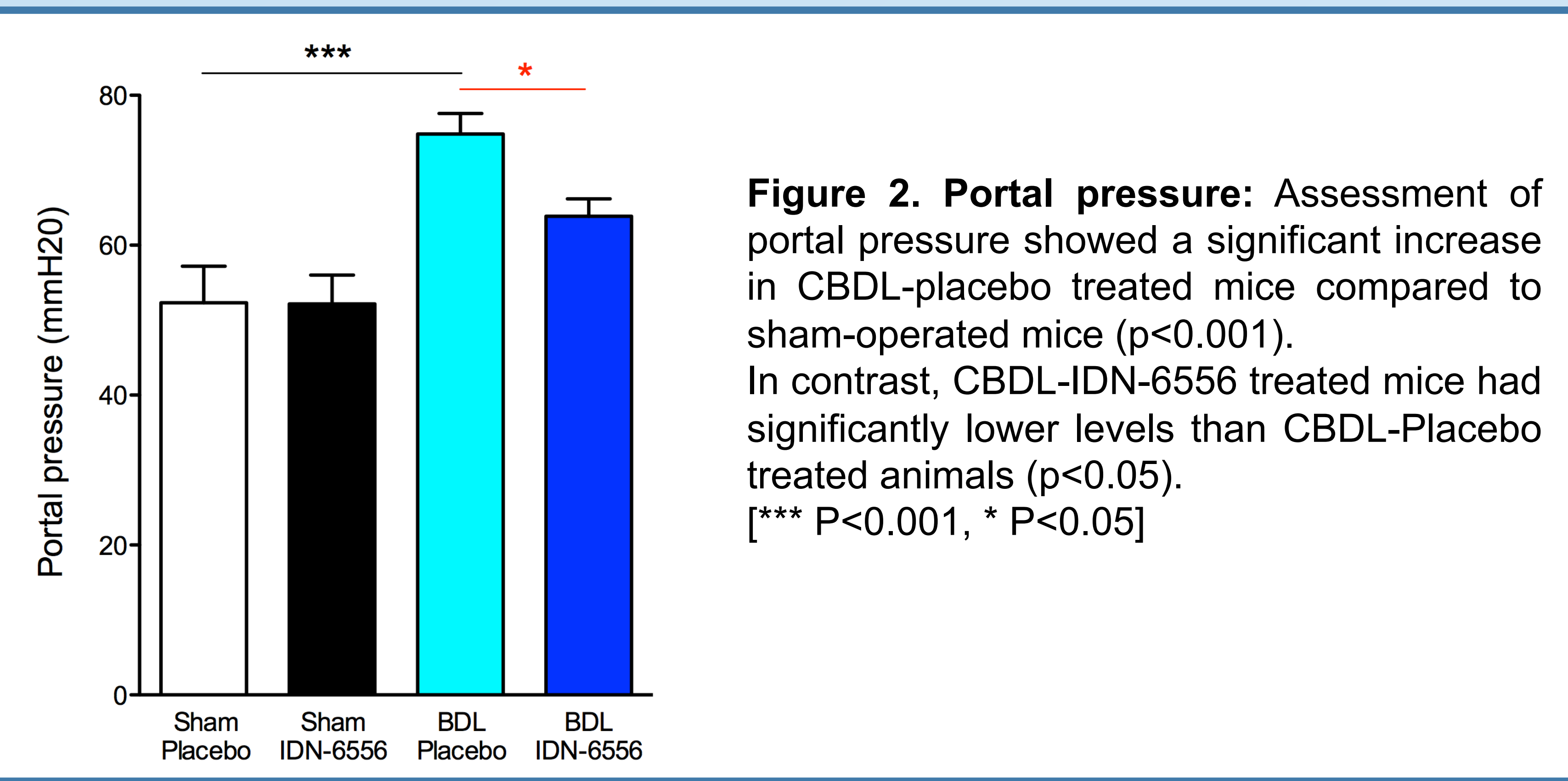
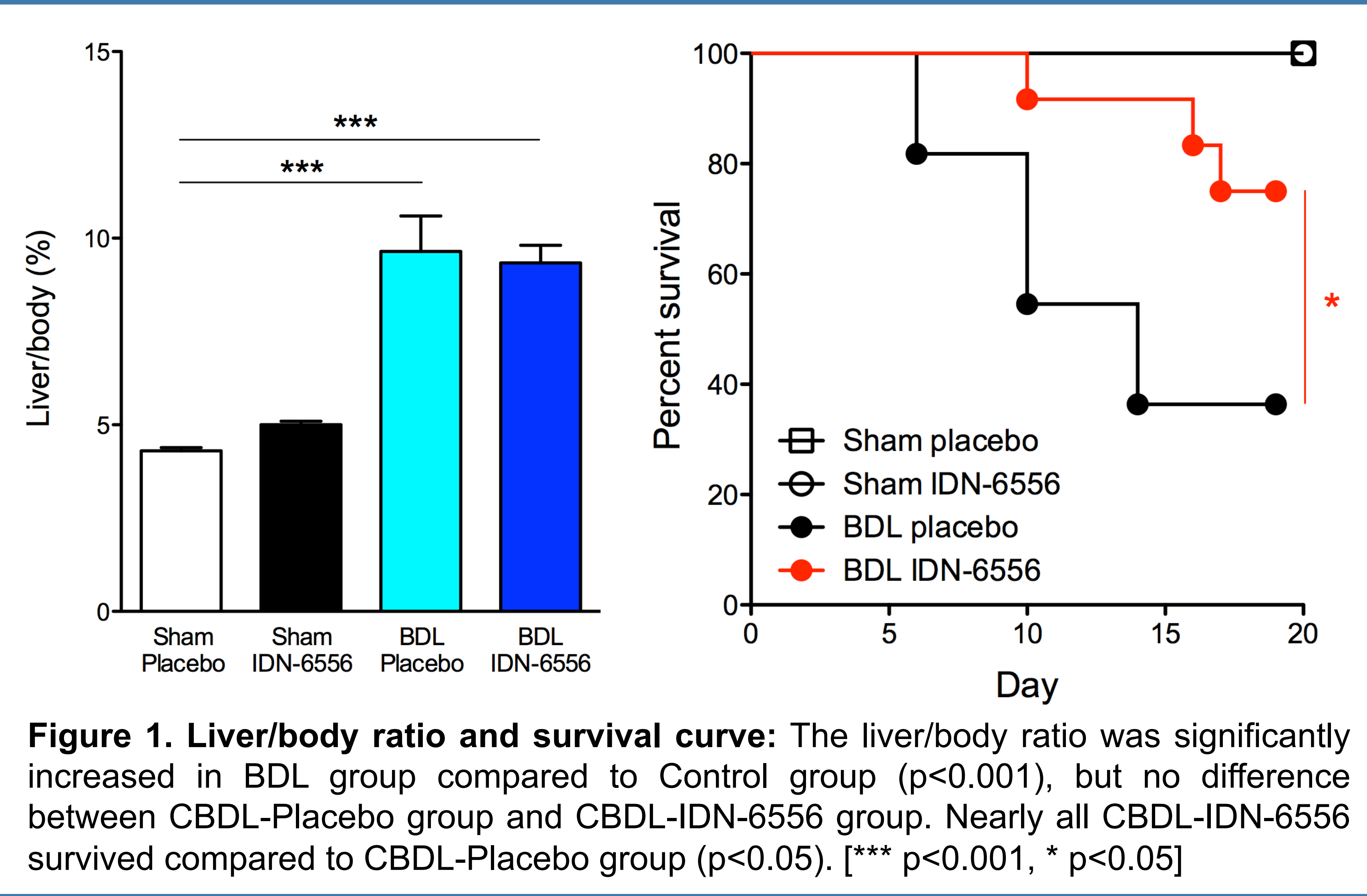
PURPOSE / AIM

- ★ Development of portal hypertension (PTH) is a central prognostic factor in patients with cirrhosis. Current pharmacotherapy remains limited and novel therapies are greatly needed.
- ★ Circulating extracellular vesicles (EVs) are released by hepatocytes in a caspase dependent manner, are increased in circulation of patients with cirrhosis and contribute to PTH via induction of impaired vasoconstrictor responses
- ★ We tested the hypothesis that Emircasan (IDN-6556) a pan-caspase inhibitor ameliorates PTH via its anti-fibrotic effects and reduction in release of EVs.

METHODS



RESULTS



CONCLUSIONS

These data demonstrate that in a murine model of long-term common bile-duct ligation, survival and PTH are improved by pan-caspase inhibitor therapy. Circulating MP may have function by involving the PTH reduction mechanism(s) through target cell activation, however further investigation is needed. Emricasan is a promising agent for the treatment of PTH.

DISCLOSURES /FUNDINGS

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