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Anne S. Henkel, Brian LeCuyer, Shantel Olivares, Richard M. Green



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Endoplasmic reticulum stress regulates hepatic bile acid metabolism in mice

Short title: ER stress suppresses bile acid synthesis

Anne S. Henkel, Brian LeCuyer, Shantel Olivares, and Richard M. Green

Division of Gastroenterology and Hepatology

Feinberg School of Medicine, Northwestern University, Chicago, IL

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Abbreviations: ABC, ATP binding cassette; BSEP, bile salt export pump; C4, 7 α -hydroxy-4-cholesten-3-one; CHOP, C/EBP homologous protein; CYP27A1, sterol 27-hydroxylase; CYP7A1, cholesterol 7 α -hydroxylase; CYP7B1, oxysterol 7 α hydroxylase; ER, endoplasmic reticulum; FGF, fibroblast growth factor; FXR, farnesoid X receptor; Grp78/BiP, glucose-regulated protein 78kDa; JNK, on cJun-N-terminal kinase; MRP, multidrug resistance protein; NTCP, sodium/taurocholate cotransporter; OATP, organic anion transport protein; TCA, taurocholic acid; TCDCA, taurochenodeoxycholic acid; TMCA, tauromuricholic acid; TNF, tumor necrosis factor; UPR, unfolded protein response; XBP1, X-box binding protein 1

Please address correspondence to:

Anne S. Henkel, MD

320 E. Superior St, Tarry 15-705, Chicago, IL, 60611

Fax: 312-908-9032. Phone: 312-503-4667. Email: a-henkel2@northwestern.edu

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