

Match Overview



Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 34743

Manuscript Type: ORIGINAL ARTICLE

Basic Study

Induction of precocious intestinal maturation in T-cell deficient athymic neonatal rats

Ester Arévalo Sureda, Catherine Gidlund, Björn Weström, Olena Prykhodko

Abstract

AIM

To investigate whether gut maturation could be induced precociously in an athymic T-cell deficient neonatal rat model.

METHODS

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Intestinal precocious maturation can be induced in T-cell deficient athymic neonat

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13 Oct 2016 ... **Maturation** of the **Intestinal** Epithelial Barrier in **Neonatal Rats** ... to Blimp-1 expression during both natural and precociously **induced intestinal maturation** in rats ... or **induced precocious maturation**, by an adult-type epithelium with ... two SI regions and **could** be used for monitoring SI **maturation** in the rat.

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in **neonatal rat intestine**: requirement for the thymus ... Mature **T cells**, however, did not develop in **athymic** neonates ... By contrast, extrathymic **T-cell maturation** in the gut of congenitally **athymic** rats occurred ... Several IEL **can** be seen but all of them are CD8a- ... thelium of adult **athymic** animals is relatively IEL **deficient** .

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1 Mar 2017 ... **Intestinal precocious maturation** can be induced in **athymic** (nude) **neonatal rats** despite their **T-cell deficiency**. Manuscript submitted to the ...

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