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Name of Journal: *World Journal of Nephrology*

ESPS Manuscript NO: 28412

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Basic Study

Acetylsalicylic acid interferes with embryonic kidney growth and development by a prostaglandin-independent mechanism

Simon JM Welham, Alexander J Sparrow, David S Gardner, Angela SL Carvalho, Matthew J Elmes

Abstract

Aim. To evaluate the effects of the non-selective, non-steroidal anti-inflammatory drug (NSAID) acetylsalicylic acid (ASA), on *ex vivo* embryonic kidney growth and development.

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Cyclooxygenase (COX) Inhibitors and the Newborn Kidney - NCBI

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作者: FG Smith - 2012 - 被引用次数: 4 - 相关文章

2012年10月25日 - The important role of COX in kidney development as well as kidney function ... Since the early 1970s, the non-selective COX, indomethacin has been The phenotypes of the two prostaglandin synthase genes (Ptgs, coding

Renal Effects of Prostaglandins and Cyclooxygenase-2 Inhibitors - NCBI

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作者: GH Kim - 2008 - 被引用次数: 8 - 相关文章

2008年6月30日 - Cyclooxygenase (COX; prostaglandin G2/H2 synthase) is the enzyme responsible ... The pharmaceutical industry subsequently developed a number of ... urinary sodium excretion for the first 72 hours of administration^{33, 34}).

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2011年11月28日 - The p38MAPK pathway played a role in aspirin-induced SOX7 ... cell line SW480 and human embryonic kidney HEK-293T cells were cultured in Goel et al[30] reported that aspirin could act through COX-independent mechanisms that ... role in colorectal cancer development as a tumor suppressor[27].

The adverse renal effects of prostaglandin-synthesis inhibition in the ...

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Acetylsalicylic acid impairs early renal development in cultured embryonic metanephros through a COX-independent mechanism ... also known as Aspirin, on ex vivo embryonic kidney growth and development, and to establish whether ASA treated metanephroi can be rescued by exogenous prostaglandin E2 (PGE2). Mice ...

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作者: A Drukker - 2002 - 被引用次数: 7 - 相关文章

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Thalidomide-induced teratogenesis: History and mechanisms - NCBI

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