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Adult Stem Cells as a Tool for Kidney Regeneration

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[F Tögel](#), [Z Hu](#), [K Weiss](#), [J Isaac](#)... - ... of Physiology-**Renal** ..., 2005 - Am Physiological Soc
... **Adult** male SD rats, weighing 200–300 g, were anesthetized with isoflurane, and ... 1. Mesenchymal **stem cells** (MSC) were characterized by their canonical ability to differentiate into adipocytes ... **cells**, whereas it simultaneously reduced the number of apoptotic **cells** compared with ...

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[Al Caplan](#) - Journal of **cellular** physiology, 2007 - Wiley Online Library
... This sequence of turnover demands that, in **adults**, there must exist the progenitor ... Vascular fate of adipose tissue-derived **adult** stromal **cells** in the ischemic murine ... Administered mesenchymal **stem cells** enhance recovery from ischemia/reperfusion-induced acute **renal** failure ...

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[Adult stem cells](#) in the repair of the injured **renal** tubule

[LG Cantley](#) - Nature Clinical Practice Nephrology, 2005 - nature.com
... The field of **adult stem cell** research continues to both tantalize and frustrate investigators as conflicting ... of tubule progenitor **cells** may persist in the **renal** interstitium of **adults**; **Stem cells** ... Mobilizing or infusing bone-marrow **stem cells** (BMSCs) can have a protective effect in animal ...

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[Bone marrow](#) contributes to **renal** parenchymal turnover and **regeneration**

[R Poulsom](#), [SJ Forbes](#), [K Hodivala - Dilke](#)... - The Journal of ..., 2001 - Wiley Online Library
... Turning brain into blood: a hematopoietic fate adopted by **adult** neural **stem cells** in vivo. Science 1999; 283: 534–537. ... Multi-organ, multi-lineage engraftment by a single bone marrow-derived **stem cell**. Cell 2001; 105: 369–377. ... **cells**. Kidney Int 1991; 39: 394–400. ...

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作者: T Yokoo - 2008 - 被引用次数: 20 - [相关文章](#)

Several **cell** types isolated from **adult** tissues have been reported to differentiate into mature **kidney cells** that may participate in **renal repair** after systemic ...

Stem Cells and the Kidney: A New Therapeutic Tool?

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作者: G Zerbini - 2006 - 被引用次数: 23 - [相关文章](#)

Probably the number of **stem cells** that are ready to intervene in an **adult** ... with multipotent **stem cells**, should be available immediately to **repair** the **kidney** and ...

Stem Cells and the Kidney: Where Do We Go from Here?

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作者: ME Rosenberg - 2007 - 被引用次数: 5 - [相关文章](#)

Both transgenic and conventional techniques validate the role of surviving cells in **kidney regeneration**. Discovery of **stem cells** in **adult** organs, including **kidney**, ...

De Novo Kidney Regeneration with Stem Cells

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作者: S Yokote - 2012 - 被引用次数: 10 - [相关文章](#)

2012年10月16日 - **Renal stem/progenitor cells** exist in the **adult kidney** and are located in specific tissue scaffolds are potential **tools for kidney regeneration**.

Selecting the optimal cell for kidney regeneration

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