# Extracellular osmolality and vascular smooth muscle activity.

## - - Paradoxical inhibition of vasoconstrictor and vasodilator responses by hypertonic mannitol in isolated arterial smooth muscle


Description: -
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Theology.
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Vascular smooth muscle.Extracellular osmolality and vascular smooth muscle activity.
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Mémoires et documents (Université de Lausanne. Institut de science politique) ;
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Acta physiologica Scandinavica.Extracellular osmolality and vascular smooth muscle activity.
Notes: Bibliography: p. 44-48.
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**Paradoxical inhibition of vasoconstrictor and vasodilator responses by hypertonic mannitol in isolated arterial smooth muscle**

Furthermore, the micrographs show that A7r5 cells display a VSMC-typical morphology.

**Regulation of Extracellular Fluid Composition & Volume**

All values were obtained at week 18. We propose that the protective effect of VSM- Egfr-KO on vascular remodelling leads to partial prevention of renal damage, due to normalisation of glomerular haemodynamics and function.

**Microvascular effects of hypertonic solutions in the hamster**

Preservation of endothelial function or glomerular filtration barrier during HFD are examples shown in our study.

**Cell volume as a factor influencing electrical and mechanical activity of vascular smooth muscle.**

Ingenuity Pathway Analysis IPA software Qiagen, Hilden, Germany was used for functional analysis canonical pathways, upstream regulator and downstream effects analyses; these features are not included in g:Profiler or GOrilla on the lists of regulated genes results of the differential expression analyses. Finally, maximum mitochondrial OCR of VSMCs in primary culture from KO animals was lower than in WT cells ESM Fig.

**Cell volume as a factor influencing electrical and mechanical activity of vascular smooth muscle.**

The detailed pattern of differentiation regulation under our experimental conditions will need to be assessed in future studies. Mulvany MJ, Halpern W 1977 Contractile properties of small arterial resistance vessels in spontaneously hypertensive and normotensive rats. Multiple testing was performed using the Benjamini—Hochberg B—H procedure.

**Cell volume as a factor influencing electrical and mechanical activity of vascular smooth muscle.**

Glucose elicited a mainly graded response ESM Fig. Benter IF, Yousif MHM, Griffiths SM, Benboubetra M, Akhtar S 2005 Epidermal growth factor receptor tyrosine kinase-mediated signalling contributes to diabetes-induced vascular dysfunction in the mesenteric bed.

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