

Arterial Function and Structure in Experimental Hypertension

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Arterial Function and Structure in Experimental Hypertension. Effects of NEP/ECE Inhibition

1. Weerstandsarteriën van DOCA-zout hypertensieve ratten vertonen een contractiele myo-endotheliale koppeling waarbij endotheline-1 betrokken is.
2. Weerstandsarteriën van DOCA-zout hypertensieve ratten vertonen een selectieve vermindering van door flow-geïnduceerd uitwaartse remodelering.
3. Chronische inhibitie van neutral endopeptidase/endothelin-converting enzyme verbetert de endotheel functie in jonge SHR door de EDCF-gerelateerde activiteit te verminderen en de EDHF-gerelateerde activiteit te verbeteren.
4. Chronische inhibitie van neutral endopeptidase/endothelin-converting enzyme verbetert de endotheel functie in 32-weeken oude SHR door de EDCF-gerelateerde activiteit te verminderen en de EDHF- en EDNO-gerelateerde activiteit te verbeteren.
5. Endotheline-1 is niet zomaar een vasoconstrictor, aangezien het peptide vasospasm veroorzaakt.
6. Vanwege zijn promiscuïteit dekt de naam endothelin- converting enzyme niet de volledige lading.
7. Pre-hypertensieve patiënten behandelen zou voor veel patiënten voordelig zijn maar is moeilijk in praktijk te brengen.
8. Remodeleren is de manier waarop arteriën veranderingen in stress normaliseren.

Pieter Lemkens, Maastricht 28 november 2018