

## CARDIOVASCULAR AND RENAL ACTIONS OF DOPAMINE

Nov 28, 2020



### [Cardiovascular And Renal Actions Of Dopamine](#)

1. Pharmacol Rev. 1972 Mar;24(1):1-29. Cardiovascular and renal actions of dopamine: potential clinical applications. Goldberg LI. PMID: 4554480

### [Cardiovascular and Renal Action of Dopamine: Proceedings ...](#)

Cardiovascular and Renal Actions of Dopamine: Potential Clinical Applications. Leon I. Goldberg. Pharmacological Reviews March 1972, 24 (1) 1-29; Article; Info & Metrics; eLetters ; PDF; This is a PDF-only article. The first page of the PDF of this article appears above. PharmRev articles become freely available 12 months after publication, and remain freely available for 5 years. ...

### [Cardiovascular and renal action of dopaminergic prodrugs.](#)

ABSTRACT: Effects of 2 and 4 µg/kg/min dopamine infusion on cardiovascular and renal functions, cerebral blood flow (CBF) and plasma catecholamine levels were studied in sick preterm neonates...

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### [CARDIOVASCULAR AND RENAL HEMODYNAMIC EFFECTS OF DOPEXAMINE ...](#)

The cardiovascular and renal actions of dopamine have recently been comprehensively reviewed (GOLDBERG, 1972). Older references included in that review will not be cited unless necessary for emphasis. Dopamine exerts three distinctive actions in the cardiovascular system.

### [Renal actions of dopamine - UpToDate](#)

An action of dop-examine at renal DA<sub>1</sub>-receptors could not be demonstrated in this study. KEY WORDS Heart: dopamine, dopexamine, cardiac output. Kidney: blood flow. Surgery: coronary artery bypass. Dopexamine hydrochloride is a new synthetic dopamine analogue with properties and receptor activities different from those of dopamine (table I). It acts as a strong agonist at Pj-adrenoreceptors ...

### [Renal Vasodilatory Action of Dopamine in Patients With ...](#)

Dopamine has important roles in cardiovascular regulation through its effects on blood vessels and its renal actions, although its central role in blood pressure control remains unresolved.

### [Cardiovascular and Renal Actions of Dopamine: Proceedings ...](#)

This review describes the cardiovascular and renal effects of BSO-induced oxidative stress ... the protective central actions of estrogen in angiotensin II-induced hypertension may involve interactions with ROS production. 57 In addition, the BP-lowering effect of some antihypertensive drugs has been associated with a reduction in brainstem oxidative stress. 58–60 Taken together, these ...

### [Dopamine receptor agonists in cardiovascular therapy](#)

The cardiovascular and renal actions of dopamine (DA) involve the activation of α- and β-adrenoceptors as well as specific DA receptors [1–3]. These peripheral DA receptors are now subdivided in two distinct subtypes, namely DA-1 and DA-2 receptors. The anatomical location of these DA receptors as well as the pharmacological responses elicited during their activation is shown in Table 1, which also provides some specific examples of selective agonists that act at these two different DA ...

### [Dopamine, hypertension and obesity | Journal of Human ...](#)

Cardiovascular and renal actions of Dopamine : proceedings of the IVth International Conference on Peripheral Dopamine held in Porto, Portugal on 18-20 June 1992.

### [Cardiovascular and renal actions of dopamine : proceedings ...](#)

Dopamine infusions are used widely for the management of cardiovascular disorders and renal dysfunction in intensive care units. The ability of dopamine to 'protect' the kidney against ischaemic or toxic insults requires proper evaluation in controlled trials. A number of dopaminergic prodrugs, selective dopamine agonists and dopamine congeners with additional actions on other adrenoceptors ...

### [Cardiovascular and Renal Action of Dopamine: Amazon.it: P ...](#)

Cardiovascular and renal actions of dopamine: potential clinical applications. Goldberg LI. Pharmacol Rev, 24(1) :1-29, 01 Mar 1972 Cited by 503 articles | PMID: 4554480. Review. Dopamine: vascular and renal effects and alterations in hypertension. Elghozi JL, Earnhardt JT, Meyer P. Adv Nephrol Necker Hosp, 13:135-150, 01 Jan 1984 Cited by 1 article | PMID: 6433664. Review. Claim to ORCID Get ...

### [CiNii ?? - Cardiovascular and renal actions of dopamine ...](#)

Dopamine agonists tend to diminish blood pressure by inhibiting sympathetic neuronal discharge of NE and, to a lesser extent, by stimulating dopamine vascular receptors. However, dopamine and L-dopa can be converted to NE and E, both of which have pressor effects. The complex cardiovascular effects of dopamine agonists are the result of stimulation of dopamine vascular and neuronal receptors ...

### [Renal dopamine receptors: mechanisms of action and ...](#)

Our results also confirm that dopamine produces complex cardiovascular actions. The 2.5 mg kg<sup>-1</sup> min<sup>-1</sup> dose of dopamine increased heart rate and cardiac output and caused modest declines in systemic vascular resistance. These findings are consistent with peripheral vasodilation by low doses of this endogenous catecholamine .

### [Cardiovascular and Renal Action of Dopamine | Amazon.com.br](#)

Renal vascular resistance decreased more than systemic vascular resistance with dopamine. With dopexamine, the increase in renal blood flow (66%) was less than the increase in cardiac index, while renal vascular resistance and systemic vascular resistance declined to almost the same extent. The results show that dopexamine exerts systemic and renal effects mainly via stimulation of beta 2 ...

### [Use of Dopamine Agonists in Cardiovascular Medicine ...](#)

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### [Impact of Dopamine Infusion on Renal Function in ...](#)

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### [Pharmacological Actions of Dopamine - BrainKart](#)

Dopamine, a neurotransmitter precursor of norepinephrine, produces cardiovascular and renal effects including increase of myocardial contractility and cardiac output, without changing the heart rate, active and passive vasodilatation, diuresis and natriuresis. These cardiovascular and renal effects are mediated by the interaction of dopaminergic receptors named D1, D2, D3, D4, D5, D6 y D7; the ...

### [Cardiovascular and Renal Action of Dopaminergic Prodrugs ...](#)

acción cardiovascular de la dopamina

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### [Peripheral Actions of Dopamine: Amazon.de: J. Bell, Barry ...](#)

Cardiovascular and renal actions of dopamine: namic variables in different experimental circumstances. Potential clinical applications. Pharmacol Rev 1972;24:1–29. Comp Progr Biomed 1980;12:63–84. 2. Kopia GA, Valocik RE. Demonstration of specific dopamine- 14. Duncker DJ, Heiligers J, Mylecharane EJ, Saxena PR, Ver- 1 receptor-mediated coronary vasodilation in the anesthe- douw PD ...

### [Pharmacology Review: Developmentally Regulated ...](#)

Seri I. , Cardiovascular, renal, and endocrine actions of dopamine in neonates and children., J Pediatr., 1995, Mar;126(3), 333-44; Kleinman ME, et al, Pediatric advanced life support: 2010 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care, Pediatrics, 2010 , Nov;126(5), e1361-99 ; Seri I, et al, Effects of low-dose dopamine infusion on ...

### [Effect of dopamine on renal haemodynamics in the ...](#)

The principal actions of dopamine in the kidney. are to increase renal blood flow and to promote natri-uresis. The natriuretic effects of dopamine may be. reinforced by its inhibitory action on aldosterone. secretion in the zona glomerulosa cells of the adrenal cortex. These effects of dopamine are, to a great . extent, mediated by the enzyme L-AAAD, which is. located in the renal cortex and ...

### [Dopamine \(medication\) - Wikipedia](#)

Assessment of Renal Hemodynamic Effects of Nesiritide in Patients With Heart Failure Using Intravascular Doppler and Quantitative Angiography Uri Elkayam, Mohamed W. Akhter, Ming Liu, Parta Hatamizadeh, Mohamad N. Barakat The authors examined the magnitude and site of action of nesiritide-mediated renal vasodilatory effects in patients with heart failure by intravascular Doppler and ...

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