

# DA-1 Agonist Fenoldopam: Pharmacology and Physiology

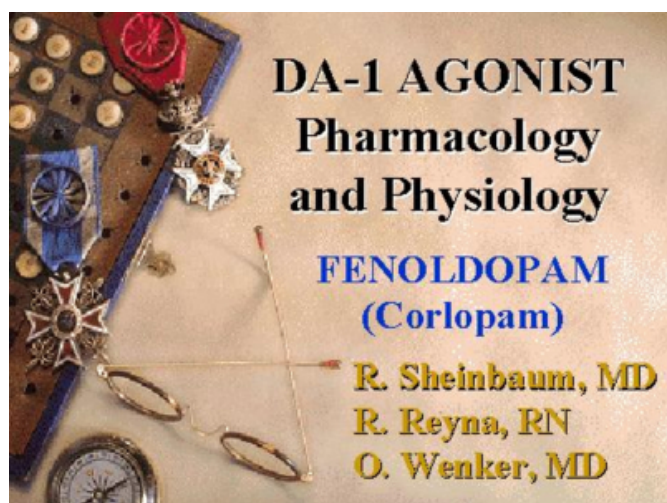
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## Citation

R Sheinbaum, R Reyna, O Wenker. *DA-1 Agonist Fenoldopam: Pharmacology and Physiology*. The Internet Journal of Anesthesiology. 1998 Volume 3 Number 3.

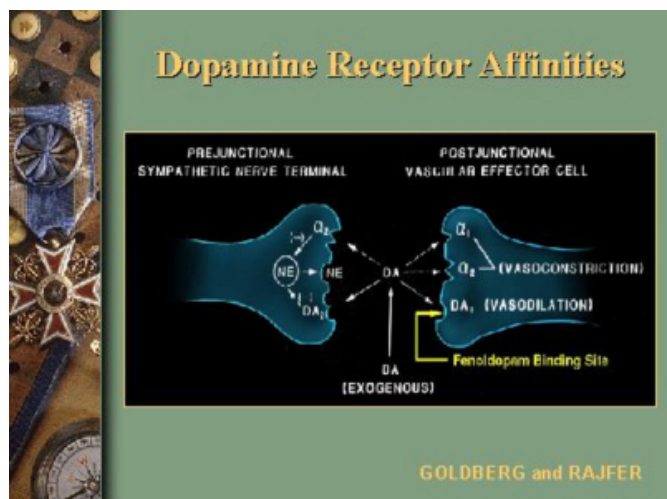
## Abstract

Figure 1



Real Audio File

Figure 2



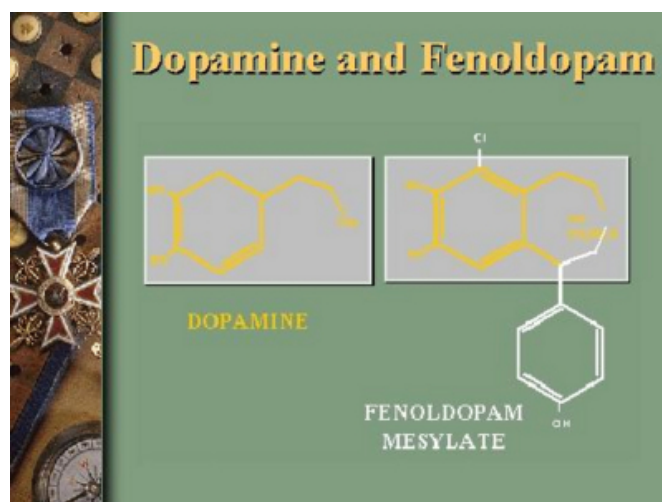
Real Audio File

Figure 3

Actions of Dopaminergic Agonists		
	Dopamine	Fenoldopam
$DA_1$ (vasodilatation)	+++	+++
$DA_2$ (vasodilatation, emesis inhibits prolactin)	+++	-
$\alpha$ (vasoconstriction)	++	-
$\beta_1$ (inotropic, chronotropic)	+++	-
$\beta_2$ (vasodilatation)	+	-

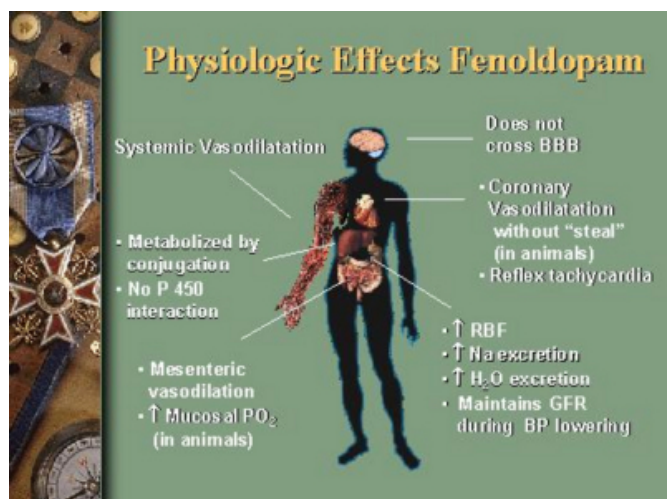
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Figure 4



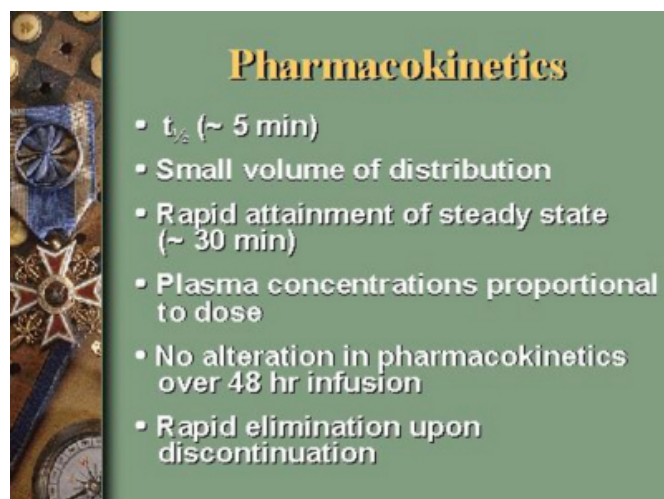
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Figure 5



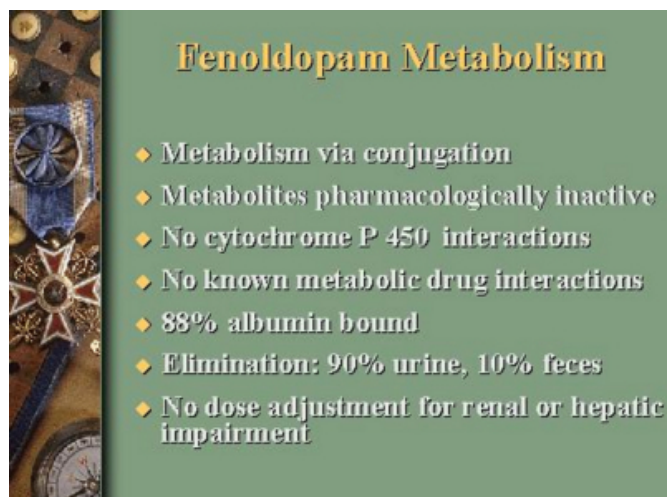
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Figure 7



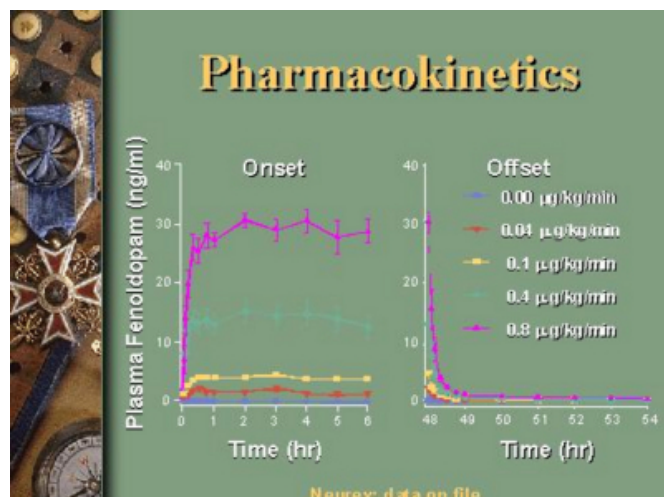
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Figure 6



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Figure 8

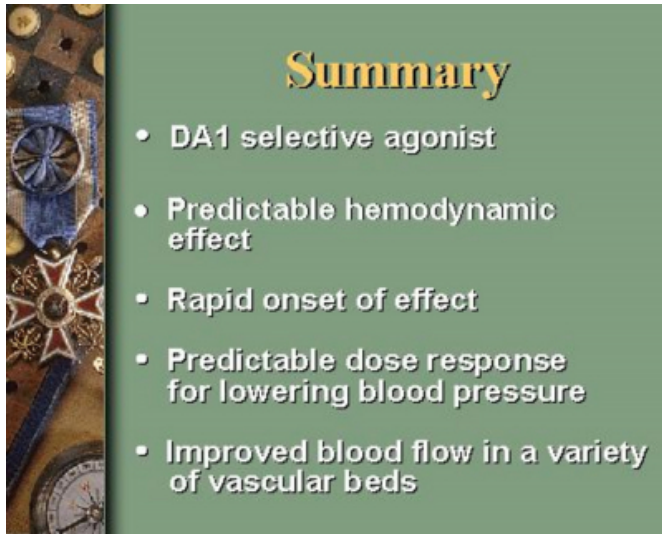


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**Figure 9**

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**References**



**Summary**

- DA1 selective agonist
- Predictable hemodynamic effect
- Rapid onset of effect
- Predictable dose response for lowering blood pressure
- Improved blood flow in a variety of vascular beds

**Author Information**

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