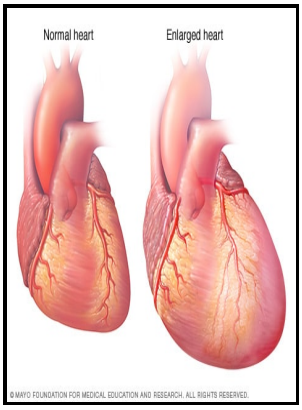
Pharmacology of the failing human heart.

Blackwell Scientific Pub - Evidence for reduction of norepinephrine uptake sites in the failing human heart



Description: -
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Goiás (Brazil : State) -- Politics and government.
Tocantinópolis (Brazil) -- Politics and government.
Revolutions -- Brazil -- Tocantinópolis.
Lima, João de Sousa, 1869?-1947.
Pharmaceutical Services -- Handbooks
Pharmacology, Clinical -- methods -- Handbooks
Pharmacy -- Handbooks, manuals, etc
Clinical pharmacology -- Handbooks, manuals, etc
Cardiovascular System -- effects of drugs.
Heart -- diseases -- treatment.
Heart -- diseases.Pharmacology of the failing human heart.
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Oxford handbooks
Oxford medical publications
American lecture series, publication -- no. 92Pharmacology of the failing human heart.
Notes: Bibliography: p. 60-63.
This edition was published in 1950

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Pharmacology of the Failing Human Heart

Forskolin was a potent positive inotrope in failing human myocardium, producing a stimulation of contraction that was similar to isoproterenol.

Neurotransmitter depletion compromises the ability of indirect

Results: Viscoelasticity was increased during diastolic stretch of HF cardiomyocytes compared with nonfailing counterparts. Next, intact left ventricular trabeculae from HF patient hearts were incubated with colchicine or vehicle and subject to pre- and posttreatment mechanical testing, which consisted of a staircase protocol and rapid stretches from slack length to increasing strains. B, Comparison of viscoelastic properties between HFrEF and HFpEF trabecula prior to any treatment.

Pharmacology of heart failure: From basic science to novel therapies

We measured in vitro contractile responses of cardiac muscle preparations trabeculae isolated from the right ventricle from nonfailing and failing human hearts. Psaras Y, Margara F, Cicconet M, Sparrow AJ, Repetti GG, Schmid M, Steeples V, Wilcox JAL, Bueno-Orovio A, Redwood CS, Watkins HC, Robinson P, Rodriguez B, Seidman JG, Seidman CE, Toepfer CN. The figures in i and ii show representative tracings, scaled to represent the average basal and maximum force in similar experiments.

Pharmacology and inotropic potential of forskolin in the human heart

Moreover, in myocardium from failing hearts, α1A-subtype responses remained robust, and only slightly reduced relative to nonfailing hearts. Levosimendan 10 -6 M increased the potency of β-adrenoceptor agonists by 0.

Neurotransmitter depletion compromises the ability of indirect

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Inhibition of phosphodiesterase

E, Effect of colchicine on stress relaxation during ascending staircase of HFrEF and HFpEF trabecula. The EC50 values for isoproterenol, which is not a substrate for norepinephrine uptake-1, were reduced in myocardium in functional classes II to III and IV compared with those in nonfailing myocardium. Current pharmacological therapy of chronic heart failure with reduced ejection fraction is largely based on compounds that inhibit the detrimental action of the adrenergic and the renin—angiotensin—aldosterone systems on the heart.

Inhibition of phosphodiesterase

Inotropic and lusitropic effects of levosimendan.

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