

STRONG CHILDREN'S RESEARCH CENTER

Conclusion:

- Sildenafil did not prevent Ca^{2+} -induced mitochondrial swelling attributed to opening of the mPTP.
- Sildenafil preserved ATPase activity, even in the presence of Ca^{2+} , in an enzymatic activity assay but did not maintain ATPase activity in the presence of Ca^{2+} in an in-gel assay for ATP synthase (n=2).
- Sildenafil-injected mice showed a significant decrease in heart rate and cardiac output, but their stroke volume was not affected.
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