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(GSIS)

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(nSTZ)

Diabetes Mellitus and the Control of Cellular Energy Metabolism

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Farzamib@sina.tums.ac.ir :

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(GKRP)

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(nSTZ) II

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³ β-cell dysfunction

¹ Translocation

² Fuel Hypothesis

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ELISA

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¹ Rat

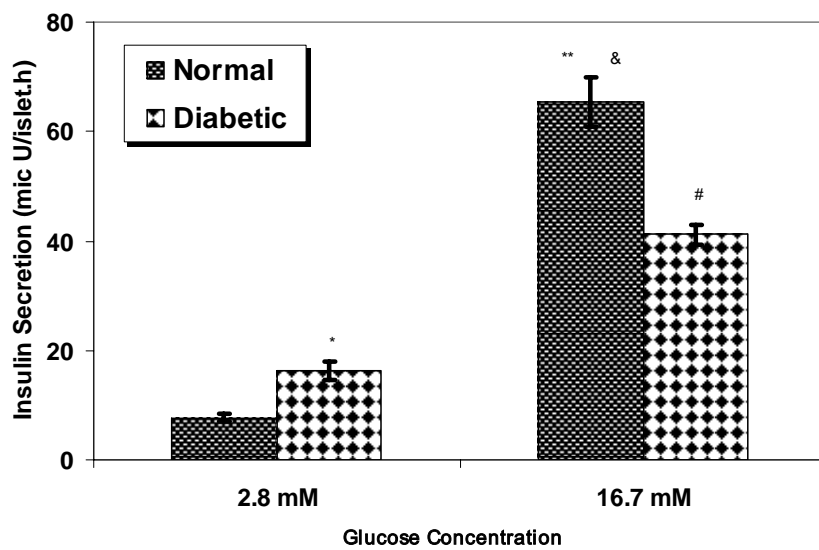
\pm
 n . (Mean \pm SE)
 SPSS
 P-Value
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STZ

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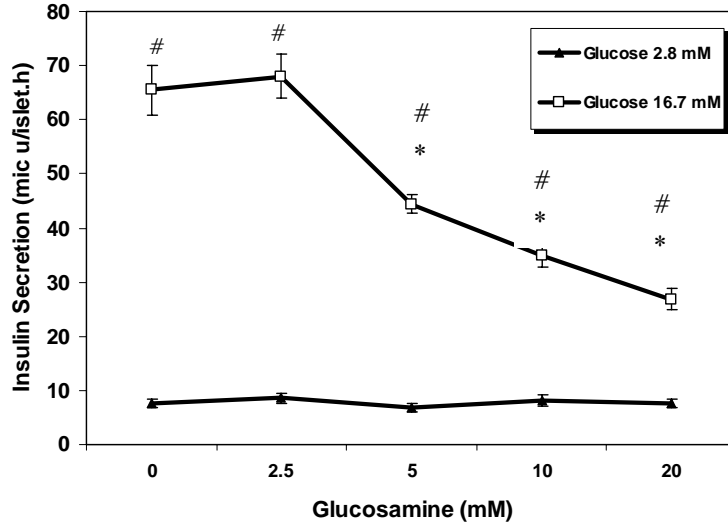
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STZ



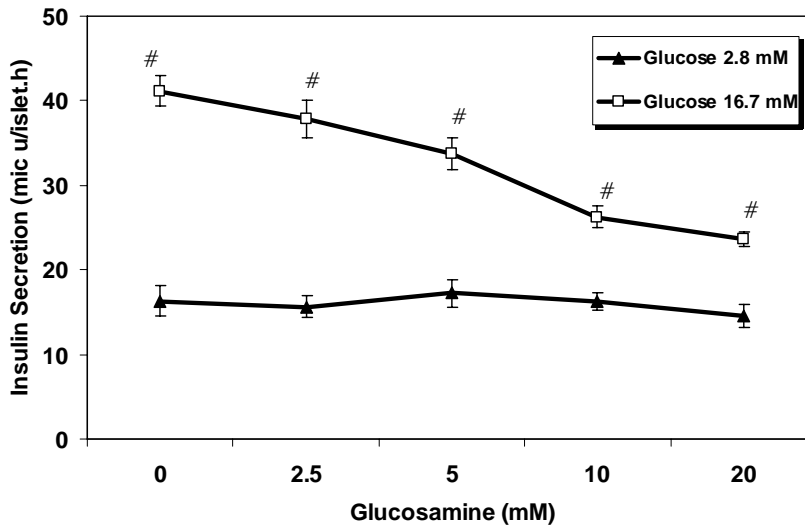
P< / ** .
 P< / * . n = n = (Mean \pm SE)
 P< / # . /

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(GSIS)

* / + / P < / # . n = . n = . (Mean ± SE)
(P < /)



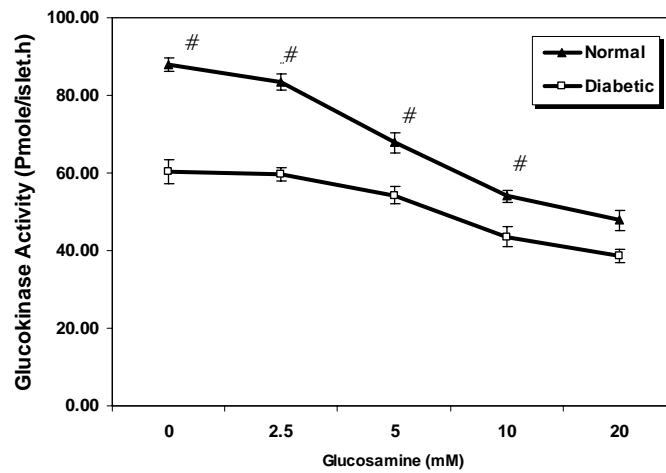
(GSIS)

+ / P < / # . n = . n = . (Mean ± SE)

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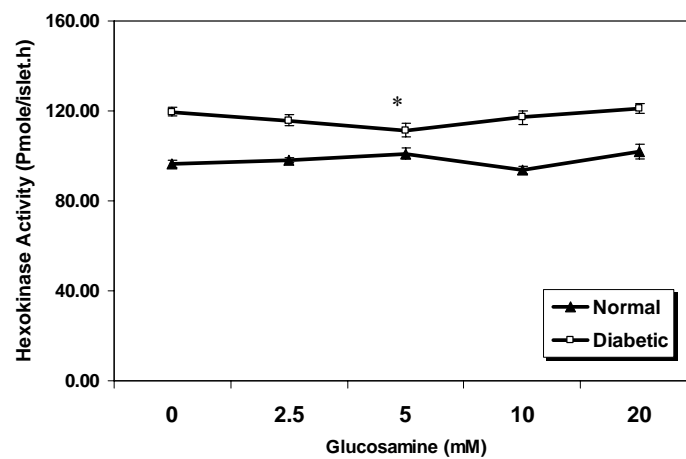
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(/)
 / (P< /)
 (GSIS)
 /) (P< /)
 .(P<
 r = /)
 .(r = / (P< /)



نمودار ۴- اثر غلظت‌های مختلف گلوکز آمین بر فعالیت گلوکوکیناز پانکراس در موش‌های صحرایی سالم و دیابتی

(Mean \pm SE) n = . n = . # . (P< /)



نمودار ۵- اثر غلظت‌های مختلف گلوکز آمین بر فعالیت هگزوکیناز پانکراس در موش‌های صحرایی سالم و دیابتی

(Mean \pm SE) n = . n = . * . (P> /)

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(P< /)

r = /)

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(P< /)

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(P< /)

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(GSIS)

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GSIS

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GSIS

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(II) nSTZ

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¹ Dose-dependent

GSIS

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Overexpression

GKRP

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Km

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