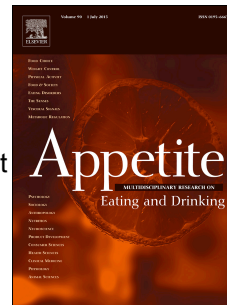


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The efficacy of the appetite suppressant, diethylpropion, is dependent on both when it is given (day vs. night) and under conditions of high fat dietary restriction

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1 **The efficacy of the appetite suppressant, diethylpropion, is**
2 **dependent on both when it is given (day vs. night) and under**
3 **conditions of high fat dietary restriction**

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13
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19 *Highlights:*

- 20
- 21 • Diethylpropion (DEP) is a widely used appetite suppressant for the management of
 - 22 obesity. Using rats, we evaluated the effect of the time of administration and dietary
 - 23 restriction of high-fat (HF) diet upon the efficacy of DEP. We found that:
 - 24 • 1) DEP was more potent at inducing weight-loss if administered in their Active
 - 25 phase whereas administration during their Inactive phase led to insomnia and
 - 26 during drug withdrawal it temporarily reversed the day-night feeding pattern.
 - 27 • 2) DEP-induced weight-loss was greater under HF dietary restriction than during *ad*
 - 28 *libitum* access to HF.

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