

**The Ohio State University College of Pharmacy  
DRUG INFORMATION RESPONSE FORM**

<b>Requested by:</b>		<b>Name: Becca Lahrman</b>		<b>Title: PharmD</b>	
Contact Info:	Phone:	Fax:	Email:	Address: Shrivvers Pharmacy Athens OH	
<b>Received by:</b> Michael Itschner		<b>Date Received:</b> 6/28/21		<b>Date Returned:</b> 7/7/21	

**Question: Can Adderall effect serum TSH levels?**

How Requested: Email request	Type of Request: Drug Disease State
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**Patient Information:**

**Gender:**

**Diagnosis:** Hypothyroid

**Pertinent Lab Values:** high TSH

**Pertinent Medical History:**

**Miscellaneous Information:** currently taking dextroamphetamine and amphetamine salts, and having difficulty managing TSH levels and increasing amount thyroid.

**Resources Used:**

- |   |   |
|---|---|
| <input type="checkbox"/> Micromedex                             | <input type="checkbox"/> Natural Medicines Comprehensive Database               |
| X Lexicomp  | <input type="checkbox"/> National Guidelines:                                   |
| <input type="checkbox"/> Drug Facts & Comparisons               | X Pubmed (search terms): "thyroid" and "dextroamphetamine and amphetamine"      |
| <input type="checkbox"/> AHFS Drug Information                  | <input type="checkbox"/> International Pharmaceutical Abstracts (search terms): |
| <input type="checkbox"/> Dipro's Pharmacotherapy                | <input type="checkbox"/> Internet:  |
| <input type="checkbox"/> Clinical Key                           | X Other: UpToDate   |
| <input type="checkbox"/> Brigg's Drugs in Pregnancy & Lactation |   |
| <input type="checkbox"/> Trissel's Handbook on Injectable Drugs |   |

**Time Spent to Answer Question:** 1 hour

**Response provided by:** Michael Itschner II

**Please provide response below (with citations) or attach response to this sheet:**

Adderall is contraindicated in hyperthyroidism. Hyperthyroidism can cause numerous cardiac complications such as increasing heart rate and blood pressure. Adderall is known to increase the risk of heart attack, increase heart rate and systolic blood pressure. This combination could lead to detrimental health outcomes. There is no known risk of using Adderall in hypothyroidism as the cardiac symptoms are diastolic hypertension and slow heart rate which are opposite of the side effects of Adderall and other stimulants.

1. Thyroid, Desiccated. Lexi-Drugs. Lexicomp. Wolters Kluwer. Hudson, Oh. Available at <https://online.lexi.com>. Accessed July 7, 2021.

2. Pharmacology of drugs used to treat attention deficit hyperactivity disorder in children and adolescents. UpToDate. Wolters Kluwer. Hudson, OH. Available at <https://online.lexi.com>. Accessed July 7, 2021.