# Article information:

Selective androgen receptor modulators (SARMs) have specific impacts on the mouse uterus - PMC
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6690265/>

# Article summary:

1. Selective androgen receptor modulators (SARMs) have been proposed as therapeutics for women suffering from breast cancer, muscle wasting or urinary incontinence.

2. The impact of SARMs on the function of the uterus is unknown, but a mouse model was used to compare the impact of SARMs (GTx-007/Andarine®, GTx-024/Enobosarm®), Danazol (a synthetic androstane steroid) and dihydrotestosterone (DHT) on tissue architecture, cell proliferation and gene expression.

3. Treatment with GTx-024 and Danazol on uterine cells mirrored that of DHT, whereas GTx-007 had minimal impact on the tested parameters. This study has identified endpoints that have revealed differences in the effects of SARMs on uterine tissue and provides a template for preclinical studies comparing the impact of compounds targeting the AR on endometrial function.

# Article rating:

Appears moderately imbalanced: The article provides some useful information, but is missing several important points or pieces of evidence that would be required to present the discussed topics in a balanced and reliable way. You are encouraged to seek a more balanced perspective on the presented issues by exploring the provided research topics and looking at different information sources.

# Article analysis:

该文章是一篇关于选择性雄激素受体调节剂（SARMs）对小鼠子宫的影响的研究。文章提到SARMs被认为可以作为治疗乳腺癌、肌肉萎缩或尿失禁的药物，但其对子宫功能的影响尚不清楚。该研究使用小鼠模型比较了SARMs（GTx-007/Andarine，GTx-024/Enobosarm）、Danazol和二氢睾酮（DHT）对组织结构、细胞增殖和基因表达的影响。

然而，该文章存在一些潜在偏见和问题。首先，文章没有探讨SARMs可能带来的风险和副作用，只是简单地将其描述为一种有前途的药物。其次，该研究只使用了小鼠模型进行实验，并未考虑人类体内可能出现的不同反应。此外，该研究并未探讨SARMs与其他药物相比可能存在的优劣势。

此外，在报道中也存在一些片面报道和缺失考虑点。例如，文章提到SARMs被认为可以作为治疗乳腺癌的药物，但并未提及这些药物是否存在潜在的副作用和风险。此外，文章也未探讨SARMs与其他治疗乳腺癌的药物相比可能存在的优劣势。

总之，该文章提供了一些关于SARMs对小鼠子宫的影响的初步研究结果，但其结论需要进一步验证，并且需要更全面地考虑潜在的风险和副作用。同时，该文章也需要更加客观地呈现双方观点，并避免片面报道和缺失考虑点。

# Topics for further research:

* Potential risks and side effects of SARMs
* Differences in reactions between mice and humans
* Comparison of SARMs with other drugs
* Potential risks and side effects of using SARMs to treat breast cancer
* Objective presentation of both sides of the issue
* Avoidance of one-sided reporting and consideration of all relevant factors.

# Report location:

<https://www.fullpicture.app/item/8533336120d338ac6cc44f1c28f9dd7d>