



ID 145095 **STUDY OF THE AVAILABILITY OF ANTIHYPERTENSIVE THERAPY DURING PREGNANCY DURING WARTIME IN UKRAINE**
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OBJECTIVES: In Ukraine (2020), more than 21,000 cases of hypertensive disorders in pregnant women were diagnosed. As of February 2022, about 265,000 pregnancies were registered, but there is no information on whether all women were healthy and whether they were able to give birth to healthy children. It is known that the war in Ukraine led to an increase in cases of diagnosing arterial hypertension during pregnancy, a perinatal mental disorder, premature birth, stillbirth.

METHODS: "minimization of cost" method, the liquidity ratio Cliq, marketing research

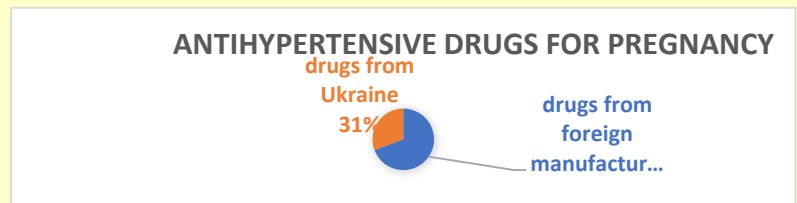
RESULTS: We have researched that as of May 2024, the available list of antihypertensive drugs is methyldopa, nifedipine, metoprolol, esmolol, nicardipine, uradipyl. There are absent labetalol, hydralazine, acebutolol, mepindolol, oxprenolol on pharmaceutical market.

It was established that the list of antihypertensive medicines used during pregnancy is represented by 33 trade names of various medicinal forms from 10 countries of the world, the specific weight of which is 69% of medicines of foreign production

There is an insufficient amount of methyldopa medicines on the domestic pharmaceutical market, as there is only one name of a foreign manufacturer.

There are 6 domestic manufacturers:

- PJSC «Technolog»,
- Pharmaceutical company «Zdorovye»
- Pharmaceutical company «Darnytsia»
- JSC «Farmak»
- JSC «Kyivmedpreparat»
- Pharmaceutical company «Yuria-Pharm»



- The cost per one month of hypertension treatment during pregnancy when using drugs in the form of tablets for methyldopa 500 mg/day is UAH 257, nifedipine 20 mg/day – from UAH 20.52 to UAH 465.45, and for metoprolol 100 mg/day – from UAH 37.67 to UAH 1146.52. The average salary in May 2024 is UAH 17.178.
- We determined by the "cost minimization" method that the costs of one month of treatment when using **nifedipine** of the Ukrainian manufacturer (10 mg, No 50) compared to the drug of a foreign manufacturer (10 mg No50) are 90% lower;
- for **metoprolol** of the Ukrainian manufacturer (100 mg No 30), costs are 73% lower than for the imported drug (100 mg No 50).
- Analysis of determining the **socio-economic availability of antihypertensive drugs using the liquidity ratio** was 0.18-0.60, which indicates relatively adequate price competition. (Tabl.)

INN / TRADE NAME	liquidity ratio	INN/ TRADE NAME	Liquidity ratio
METHYLDOPA Dopegit tablets of 250 mg No. 50	0,36	METOPROLOL	
NIFEDIPINE		CORVITOL® 50 tablets of 50 mg No. 50 CORVITOL® 100 tablets of 100 mg No. 50	0,49 0,43
NIFEDIPINE film-coated tablets, 10 mg No. 50 NIFEDIPINE film-coated tablets 20 mg No. 50	0,25 0,40	Metoprolol tartrate tablets of 50 mg . 20 Metoprolol tartrate tablets of 100 mgo. 20	0,45 0,45
CORDYPIN XL tablets with a modified release of 40 mg No. 20	0,39	METOPROLOL tablets of 50 mg No. 30 METOPROLOL tablets of 100 mg No. 30	0,56 0,52
PHENIGIDIN-HEALTH tablets of 10 mg, No. 50	0,55	EGILOK® tablets of 25 mg No. 60 EGILOK® tablets of 50 mg No. 60	0,52 0,19
KORINFAR® RETARD prolonged action tablets of 20 mg No. 30 KORINFAR® RETARD prolonged action tablets of 20 mg No. 50	0,32 0,18	EGILOK® tablets of 100 mg No. 60 EGILOK® tablets of 100 mg No. 30	0,20 0,62
KORINFAR® RETARD prolonged action tablets of 10 mg No. 100 KORINFAR® RETARD prolonged action tablets of 10 mg No. 50	0,20 0,60	BETALOK ZOK tablets, intravenously. obol., with upov. pulled out 25 mg No. 14	0,43
KORINFAR® UNO 40 prolonged-release tablets of 40 mg No. 100	0,54	BETALOK ZOK tablets, intravenously. obol., with upov. pulled out 50 mg of No. 30	0,38
NIFEDIPINE-DARNYTSYA film-coated tablets, 10 mg No. 50	1,91	BETALOK ZOK tablets, intravenously. obol., with upov. pulled out 100 mg of No. 30	0,33

CONCLUSIONS: There are no 5 evidence-based effective antihypertensive drugs on the pharmaceutical market of Ukraine, therefore there is a need to make them available for therapy. There is a need to ensure, with the help of budget funds, rational therapy of arterial hypertension during pregnancy, because it is known that during the wartime, all medicines are bought by pregnant women with their own money.