



# ACTIVE TB CASE IN HIV-POSITIVE PREGNANT WOMAN LATE IN PREGNANCY

Iryna Ben,

Municipal Non-profit Enterprise of the Lviv Oblast Council “Lviv Oblast Centre for Public Health”, Ukraine

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Olga,  
32 y/o, female

- HIV (+) status since December 2019 - ELISA (+), during the first pregnancy (at 18 weeks)
- HCV and HBV tests were negative
- Negative RW test result
- There were no complaints in December 2019 when turning to an antenatal clinic
- She was referred to the Lviv OCPH to consult an infectious disease specialist

## VISIT TO LVIV OCPH

- Re-test for HIV (+) in March (ELISA +) - at 26 weeks of pregnancy,
- In April 2020 – CD4 count - 45 cell/ml  
viral load<sup>^</sup> 161,364 RNA copies/ml
- In April 2020 - ART regimen **TDF/FTC/EFV** was prescribed



# CLINICAL MANIFESTATIONS AT 29-30 WEEKS PREGNANT



- Slight weakness
- Fatigue
- Body temperature rise to 37°C in the evening
- Insufficient weight gain in for a pregnant women

## C.B.C. DYNAMICS

Parameter	26.12.2019	06.01.2020	19.02.2020	11.03.2020	01.04.2020	23.04.2020
Red blood cells 10*12/l	3,2	3,17	3,2	3,07	3,23	3,46
Hemoglobin g/l	107	107	107	106	97	102
Leucocytes 10*9/l	4,55	5,08	6,63	7,00	7,31	7,13
Platelets 10*9/l	188	150	246	180	217	241
ESR mm/hour	38	42	48	59	66	59



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## WHAT EXAMINATIONS/TESTS WOULD YOU SUGGES?

- A. Chest X-ray
- B. Bacterioscopy for the presence of acid-fast bacteria
- C. Xpert
- D. Hematologist consultation



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# TEST FOR TUBERCULOSIS

## April 2020 – 30 weeks pregnant

- Bacterioscopy for AFB – negative result
- **Xpert MTB/RIF – detected**
- RIF Resistance – negative result
- The patient was referred to a TB specialist at the CNE "Lviv Regional Phthisio-Pulmonary Clinical Medical and Diagnostic Center"



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# DIAGNOSIS AND TREATMENT

- Diagnosis – B 20.0 (IV clinical stage) (FDTB – firstly diagnosed TB), tuberculosis of intrathoracic lymph nodes MBT+ (PCR+) Resist (-).
- 1-st degree anemia of pregnancy
- Treatment as of 12.05.2020 – 2HREZ / 4HR
- In May 2020 –CD4 count - 105 cells/ml  
viral load 1,063 RNA copies/ml





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# WHAT IS THE PROGNOSIS FOR A CHILD?

- A. healthy full-term baby
- B. risk of preterm birth
- C. a child with manifestations of intrauterine growth retardation (IUGR)
- D. congenital tuberculosis



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## DELIVERY

- Occurred on 28.05.2020 by elective caesarean section at 38 weeks of pregnancy
- A girl was born with birth weight of 2,350 g and length of 49 cm
- 7/8 Apgar score
- Manifestations of neonatal maladaptation syndrome, fetal IUGR, asymmetric shape
- Prevention for the child: AZT – 28 days  
3TC – 28 days  
NVP – 14 days.



## FOLLOW-UP MEDICAL EXAMINATION 06.07.2020



- **Examination of the child**

- The general condition is relatively satisfactory, the reflexes are lively
- The child is on formula feeding, mix "Frisolak"
- DBS - a negative result
- A child's blood test result on the 1 PCR is negative

- **Examination of the mother**

- Bacterioscopy for the presence of AFB - a negative result
- Xpert MTB / RIF - negative result
- Continues anti-TB therapy and ART



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THANK YOU!

