ULTRASOUND FINDINGS IN PREGNANT WOMEN UNDER ZIKA VIRUS AMBULATORY CARE IN MANAUS- AMAZON

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Aims / Methods

**OBJECTIVE**
– Describe ultrasound findings in pregnant women at ZIKV ambulatory in Manaus.

**METHODOLOGY**
– Pregnant ZIKA symptoms
– PCR in blood and Urine
– Ultrasonography – follow up
  • 1\textsuperscript{st}, 2\textsuperscript{nd}, 3\textsuperscript{rd} trimester
Results

- 594 Patients
  - 136 +188 - excluded
  - 270 patients

- Epidemiology
  - Maternal age mean: 27.01 y (+/-6.42)
  - Gestational age: 6-39 weeks
  - Clinical Symptoms: pruritic macular or maculopapular rash, arthralgias, conjunctival injection, and headache.
ULTRASOUND FINDINGS

- Abortion: 9 patients
- IUGR: 4 fetuses
- Ventriculomegaly: 3 fetuses
  - Periventricular hypeerecogenicity
  - Calcification – confirmed by CT

Figure 3: A - Ventriculomegaly
B - Periventricular calcification
Results 3

- **Microcephaly**: 9 fetuses
  - 58.8% first trimester
  - Flattening profile
Conclusion

• Ultrasonographic findings
  – Abortion
  – Microcephaly with a caracteristical profile - first trimester.

• ZIKV infection during pregnancy is deleterious to the fetus, despite mild clinical symptoms in the mother, and it is worse in first trimester.

• Cases of microcephaly related to the Zika Virus were the same as the national average (less than 1%), according to other studies of Zika Virus and microcephaly.