ZIKA virus (ZIKV) : flowchart potential ZIKV exposure and prevention

**low risk**
- pregnant woman
- man with a pregnant partner
- couple with a planned pregnancy

**increased risk**
- couple with a planned pregnancy
- man with a pregnant partner
- pregnant woman

**Inform about risks**
- a pre-departure serum storage or ZIKV (IgM & IgG) serology might be proposed in particular situations

**Maximal protection against mosquitoes:**
- repellent, up to 30% DEET (non recommended under 2 months old)
- Impregnated clothes (i.e. Nobite Textile®)
- mosquito net or air conditioning

**Look at flowchart (pregnant woman)**

**No intervention**

**Safer sex during or after exposure**

**Alternative recommendation:** might be proposed in particular situations (need explanations on laboratory exams limitations): serology testing (IgM & IgG) ≥4 weeks after ZIKV exposure (safer until definitive results)

1. **Definition of a potential ZIKV exposure:**
   - a) history of travel/residence in a possible ZIKV transmission area (low or increased area)
   - b) unprotected sexual contact with an exposed partner within 2 months after ZIKV symptoms OR his/her return from a possible ZIKV transmission area

2. **Low risk** = travel (including partner’s) in an area with current or past reported ZIKV cases OR in an area where the vector (mosquitoes) is present

3. **Increased risk** = travel (including partner’s) in an area with a ZIKV outbreak OR IgM ZIKV+ partner

4. **Particular case:** multiple ZIKV exposure, assisted reproduction...
ZIKV virus (ZIKV): flowchart
a/symptomatic pregnant woman after ZIKV potential exposure

asymptomatic OR current symptoms ≥ 4 weeks after exposure

<table>
<thead>
<tr>
<th>low risk</th>
<th>increased risk</th>
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symptomatic (< 4 weeks after exposure) (irrespective of the visiting area)

history/previous yellow fever vaccine?

- PCR (plasma + urine) + ZIKV (IgM & IgG) serology and serum storage
- management for « fever after travel return »

• consider others investigations, including TORSCH serologies
  (Toxoplasmosis, Rubella, Syphilis, CMV, HSV, VZV)
• ZIKV (IgM & IgG) serology and serum storage: ≥4 weeks after symptoms/exposure
  (if < 4 weeks after last symptoms/exposure: repeat 4 weeks after 1st test)

supplementary morphological diagnostic ultrasound (US) at 28 WA AND ≥ 4 weeks after exposure

negativ / physiologic

standard pregnancy follow-up

positiv / doubtful

consider specific follow-up exams
AND
organize paediatric follow-up

1 presence of at least one of these following symptoms: fever, conjunctivitis, arthralgia, myalgia
b) unprotected sexual contact with an exposed partner within 2 months after ZIKV symptoms OR his/her return from a possible ZIKV transmission area
3 low risk = travel (including partner’s) in an area with current or past reported ZIKV cases OR in an area where the vector (mosquitoes) is present
4 increased risk = travel (including partner’s) in an area with a ZIKV outbreak OR IgM ZIKV+ partner
5 WA = weeks of amenorrhea