**Clinical diagnosis for Chikungunya infection: an essential aid in a primary care setting where serological confirmation is not available**

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**Supplementary tables:**

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| Supplementary Table 1. Percentage of most common symptoms in arboviral diseases |
|  | ***DENV*** | ***CHIKV*** | ***ZIKAV*** | ***Reference*** |
| Fever | 93.89 | 92.66 | 69.51 | 1–21 |
| Headache | 73.33 | 64.14 | 72.19 | 1–6,8,10–13,15–21 |
| Rash | 37.00 | 47.03 | 74.03 | 1–6,8–21 |
| G/I symptoms | 49.09 | 37.46 | 28.88 | 1–6,8–21 |
| Myalgia | 73.43 | 61.48 | 65.54 | 1–13,15–20 |
| Fatigue | 12.50 | 43.78 | 40.55 | 4,6,10,11,17,18,20 |
| Arthralgia | 63.79 | 87.14 | 61.55 | 1,2,4–6,8–21 |
| Arthritis/Oedema | 11.50 | 48.36 | 27.80 | 1,3–6,8,10,12,15,20,21 |
| Bleeding | 8.93 | 4.81 | 4.03 | 1,6,11,13,16–19 |
| Red eye | 34.38 | 29.42 | 62.04 | 1,3,5,6,12,14,15,19,20 |
| DENV: Dengue virus; CHIKV: Chikungunya virus; ZIKAV: Zika virus |

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| **Supplementary Table 2.** Statistical differences between symptoms and arboviral diseases |
|  | ***DENV-CHIKV*** | ***DENV-ZIKAV*** | ***CHIKV-ZIKAV*** |
| **Fever** |  | < 0.000 | < 0.000 |
| **Headache** |  |  |  |
| **Rash** |  | < 0.000 | < 0.000 |
| **G/I symptoms** |  | 0.0057 |  |
| **Myalgia** |  |  |  |
| **Fatigue** | < 0.000 | < 0.000 |  |
| **Arthralgia** | < 0.000 |  | < 0.000 |
| **Arthritis/Oedema** | < 0.000 | 0.003 | 0.005 |
| **Bleeding** |  |  |  |
| **Red eye** |  | < 0.000 | < 0.000 |
| DENV: Dengue virus; CHIKV: Chikungunya virus; ZIKAV: Zika virus |

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| **Supplementary Table 3.** Definitions of diagnostic criteria and screening tools |
|  | ***Definition*** |
| **CHIKV WHO case definition (2015)**22 | Acute clinical case: clinical criterion (fever ≥ 38.5ºC and joint pain usually incapacitating usually accompanied by exanthema, myalgia, back pain, and headache) and epidemiological criterion: resident or visitor in areas with local transmission of CHIKV on the last 15 days |
| **Sissoko CHIKV screening tool (2010)**2 | Incapacitating polyarthralgia and fever of abrupt onset |
| **Thiberville CHIKV screening tool (2013)**17 | Clinical score: fever and arthralgia for less than 48 hours plus: arthralgia of at least 1 MCP, arthralgia of at least 1 wrist and myalgia (probable CHIKV if 3 are present; possible CHIKV if only 2 are present)  |
| **Cleton CHIKV screening tool (2015)**23 | Arthralgia combined with rash (both symptoms present are associated with positive test outcome for CHIKV) |
| **Macpherson CHIKV screening tool (2016)**21 | Joint pain and any combination of fever, body pain, or rash (the combination of symptoms that most closely agree with positive CHIKV serology) |
| **ZIKAV WHO case definition (2016)**24 | Suspected case: a person presenting with rash and/or fever and at least one of the following signs or symptoms: arthralgia or arthritis or conjunctivitis (non-purulent/hyperaemic) |
| **Braga ZIKAV screening tool (2017)**8 | Clinical based score to discriminate ZIKAV cases from other febrile or exanthematic illnesses (a score ≥ 7.5 from maculopapular rash = 7, temperature ≤ 37.5ºC = 6, itching = 4.5, anorexia = 2.5, no petechiae = 2, conjunctival hyperaemia = 1) |
| **DENV WHO case definition (2009)**25 | Probable dengue: live in/travel to dengue endemic area. Fever and 2 of the following criteria: nausea or vomiting, rash, aches and pains, tourniquet test positive, leukopenia, any warning sign  |
| CHIKV: Chikungunya virus; WHO: World Health Organization; ZIKAV: Zika virus; DENV: Dengue virus |