**Additional file**

**Changes in the clinical presentation and outcomes of patients treated for severe malaria in a referral French university intensive care unit from 2004 to 2017.**

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**Changes in the clinical presentation and outcomes of patients treated for severe malaria in a referral French intensive care unit in a university hospital from 2004 to 2017**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table E1. Severe malaria review |  |  |  |  |  |  |  |  |  |  |
| **Study title** | **Year** | **Date** | **Nb of patients** | **Treatment** | **Mortality (%)** | **MV (%)** | **Vasopressors (%)** | **RRT (%)** | **ICU LOS (IQR)** | **Hospital LOS (IQR)** |
| Severe Imported Falciparum Malaria: a cohort study in 400 critically ill adults (10) | 2010 | 2000-2006 | 400 | Quinine | 42 (10) | 116 (29) | 109 (27) | 81 (20 | 5 (3-8) | 10 (7-17) |
| Treatment outcome of intravenous artesunate in patients with severe malaria in the Netherlands and Belgium (17) | 2012 | 2007-2010 | 55 | Artesunate | 2 (3.6) | 6 (9) | 6 (9) | 5 (7) | 2 | 4.5 |
| Severe imported falciparum malaria among adults requiring intensive care: a retrospective study at the hospital for tropical diseases, London (12) | 2013 | 1994-2010 | 124 | Q / AS | 5 (4) | 46 (37) | 43 (35) | 43 (35) | 10 (7-19) | . |
| Imported falciparum malaria in adults: host- and parasite related factors associated with severity, The French prospective multicenter PALUREA cohort study (11) | 2016 | 2006-2010 | 155 | Quinine | 8 (5.2) | 42 (27) | 39 (25) | 26 (17) | 7.1 (mean) | 13.3 (mean) |
| Severe plasmodium falciparum malaria in the intensive care unit: a 6-year experience in Milano, Italy (16) | 2017 | 2010-2015 | 12 | Quinine | 0 (0) | 5 (42) | 4 (33) | 4 (33) | 5 | 11.5 |
| Severe malaria in Europe: a 8-year multicenter observational study (24) | 2017 | 2006-2014 | 185 | Q / AS | 3 (1.6) | 18 (10) | 24 (13) | 20 (11) | 3 vs 2 | 7 vs 6 |
| Present study. | 2019 | 2004-2017 | 189 | Q/AS | 7 (3.7) | 34 (18) | 19 (10) | 35 (19) | 2 (2-4) | 7 (5-13) |

MV: invasive mechanical ventilation; RRT: Renal replacement therapy; Q / AS: quinine/artesunate without distinctions ([31](#_ENREF_31))