

Publication

A systematic literature review of microscopy methods reported in malaria clinical trials

JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)

ID 4646457

Author(s) Das, D.; Dahal, P.; Dhorda, M.; Citarella, B. W.; Kennon, K.; Stepniewska, K.; Felger, I.; Chapuis, F.; Guerin, P. J.

Author(s) at UniBasel [Felger, Ingrid](#) ;

Year 2021

Title A systematic literature review of microscopy methods reported in malaria clinical trials

Journal Am J Trop Med Hyg

Volume 104

Number 3

Pages / Article-Number 836-841

Mesh terms Clinical Trials as Topic; Humans; Malaria, diagnosis; Microscopy, methods

Microscopy of stained blood films is essential for the diagnosis of malaria, differentiation of parasite species, and estimation of parasite density performed for assessments of antimalarial drug efficacy. The accuracy and comparability of these measures over time and space are vital to discern the emergence or spread of antimalarial drug resistance. Although evidence-based guidelines for malaria microscopy methods exist, the age-old microscopy techniques for parasitological assessments are subject to considerable methodological variations. The purpose of this review was to explore critically how microscopy methods were reported in published malarial studies between 2013 and 2017 with the focus on outlining the methodological differences and improving reporting standards in practice.

ISSN/ISBN 1476-1645 (Electronic)0002-9637 (Linking)

edoc-URL <https://edoc.unibas.ch/89712/>

Full Text on edoc No;

Digital Object Identifier DOI 10.4269/ajtmh.20-1219

PubMed ID <http://www.ncbi.nlm.nih.gov/pubmed/33350371>

ISI-Number WOS:000651201700011

Document type (ISI) Journal Article