

ORAL PRESENTATION

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# Chemotherapeutics for *vivax* malaria

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*Plasmodium vivax* imposes significant burdens of morbidity and mortality across the malaria endemic world. Treatment of this infection requires a blood schizonticide against the acute attack and hypnozoiticide against relapses. Chloroquine combined with primaquine has been the therapy of choice for radical cure of *vivax* malaria since the 1950s. Primaquine, however, was never optimized or adapted for use in endemic zones and its toxicity in prevalent G6PD-deficient patients (typically 5-20%) sharply limits its effectiveness. Resistance to chloroquine has emerged in Southeast Asia and now threatens the Indian sub-continent where most *P. vivax* occurs. The research community faces the steep challenge of developing new radical cure strategies. This presentation explores those challenges and the means to meet them, principally optimizing primaquine as a partner to new ACTs for maximum efficacy and more practical dosing and safety.

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