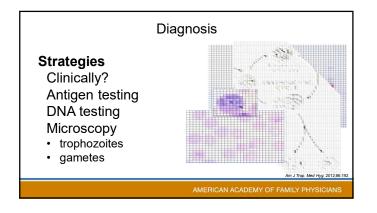
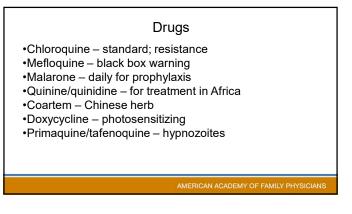
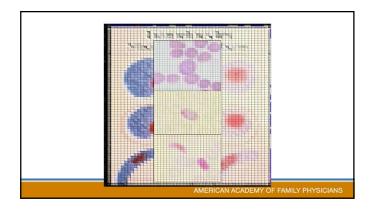
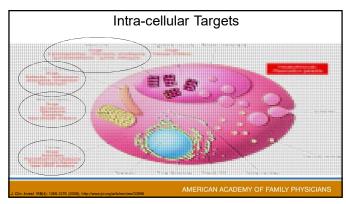


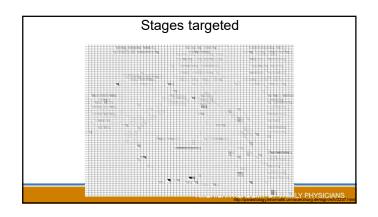
	Emerging techno (not CAT scanning) Can Canines Identify Malaria-Infected Humans B	-
		Protocol CHE
	The second secon	Ingenering Quality of Core in Parints with ALS Associated ALS Parametrikespice
	When researchers in Africa presented the dogs with 175 different lock samples, the dogs denoted mataria with 70 percent accuracy. The same canners had as even typer success ritps in locitifying mataria-nearitive samples. Researchers more instanci-amfind does could one due to stationed at	Quality Measures and Evidence-Based Guidelines in Parisent Care for Major
16	AMERICA	N ACADEMY OF FAMILY PHYSICIANS

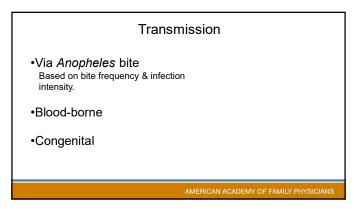


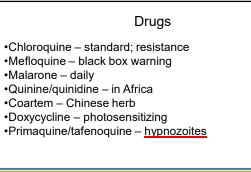




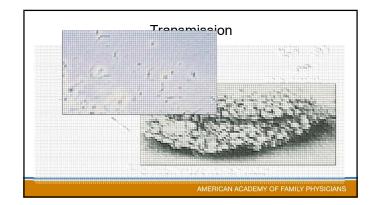


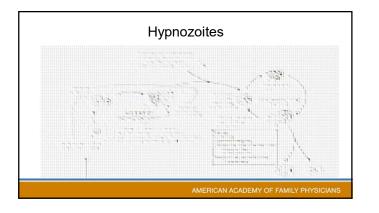


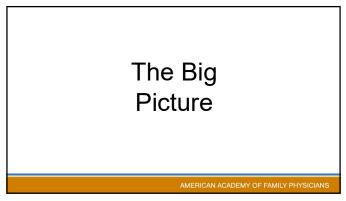


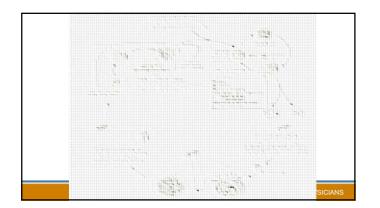


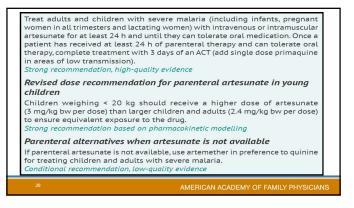
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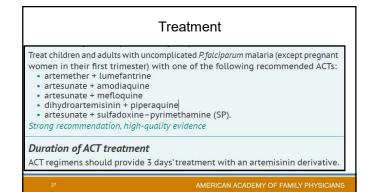
## Artesunate: limited availability in US

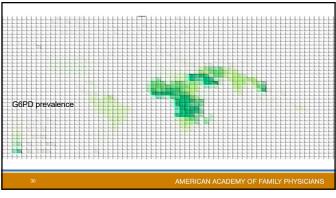
Arlington, Va. (August 23, 2019) – Many ASTMH members are concerned about the lack of immediately available artesunate for U.S. clinicians caring for patients with severe malaria and the possible negative effect of lengthy transport times on patient outcomes when requesting artesunate from CDC.

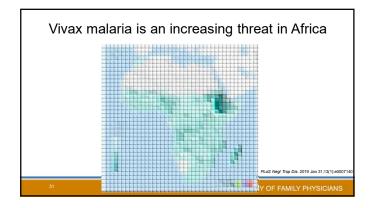
ASTMH has been working with CDC and FDA for the past year on this troubling issue and sent a letter to the FDA in June 2019 addressing these concerns. The CDC and FDA are actively working together to facilitate the prompt availability of IV artesunate to patients with severe malaria. We look forward to both agencies providing additional information very soon.

Of note, La Jolla Pharmaceutical received orphan drug status... this development gives reason for hope that artesunate could be available in the United States in the near future.

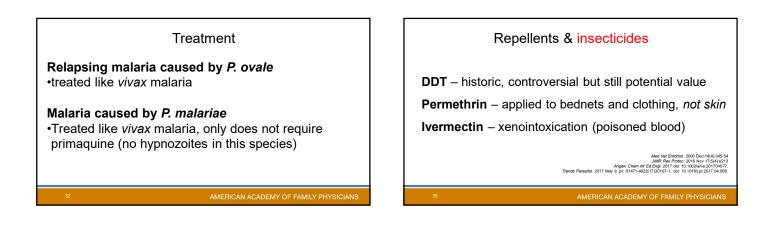
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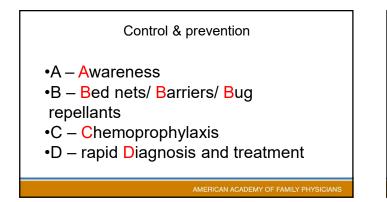


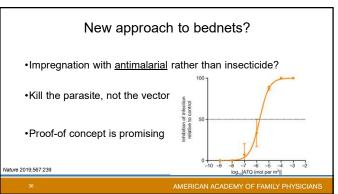


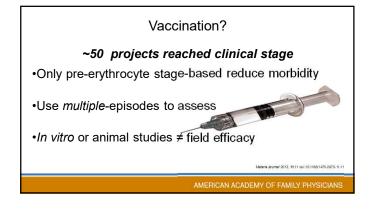


Re	pellents & insec	ticides
<u>Repellent</u> DEET IR3535 Picaridin Lemon eucalyptus*	<u>Concentration</u> 50%,1g/limb (20-30%) 20% 10-20% 30%	Complete protection time 30 hours (up to 10 hours) up to 10 hours up to 8 hours up to 12 hours
*distinct from essenti	ial oils of eucalyptus, which are ineffective	
		Travel Medicine and Infectious Disease 2013;11:374-4 Public Health Research and Practice 2016;26:e265162
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	ਵੈ <b>FEBS</b> Journal	FEBS PRESS	r
	MINIREVIEW Vaccines against m	alaria—still a long way to go	g-
Arran	Kai Matuschewski 💿		55
	Department of Molecular Parasitology, Institu	te of Biology, Humboldt University Berlin, Germany	
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odi			
S	Keywords	Several species of Plasmodium cause a broad spectrum of human disease	863
isa	gametocyte; immunization; malaria; merozoite; Plasmodium falciparum;	that range from nausea and fever to severe anemia, cerebral malaria, and	
	Plasmodium vivax; sporozoite; vaccine	multiorgan failure. In malaria-endemic countries, continuous exposure to Plasmodium sporozoite inoculations and subsequent blood infections elicit	
err	Correspondence	only partial and short-lived immunity, which gradually develops over many	
nat	K. Matuschewski, Department of Molecular Parasitology, Institute of Biology/Faculty of	years of parasite exposure and multiple clinical episodes. The ambitious goal of malaria vaccinology over the past 70 years has been to develop an	
	Life Sciences, Humboldt University Berlin, Philippstr. 13 #14, 10115 Berlin, Germany	immunization strategy that mounts protection superior to naturally	
OU	Fax: +49 30 2093 6051	acquired immunity. Herein, three principal concepts in evidence-based malaria vaccine development are compared. Feasible leads are typically	
a A	Tet: +49 30 2093 6053 E-mail: kai.matuschewski@hu-berlin.de	stand-alone subunit vaccine approaches that block Plasmodium parasite life cycle progression or parasite/host interactions, and they constitute the	
mit werap	(Received 31 January 2017, revised 9 April 2017, accepted 10 May 2017)	majority of candidates in preclinical research and early clinical testing. Integrated approaches incorporate malaria antigen(s) into licensed or	
	2017, accepted to Way 2017)	emerging pediatric vaccine formulations. This strategy can complement the	IAN



RTS,S is intended exclusively for use against the *Plasmodium falciparum* malaria parasite, which is most prevalent in sub-Saharan Africa (SSA). Around 90 per cent of estimated deaths from malaria occur in SSA, and 77 per cent of these are in children under the age of 5.

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## The Marabi Post 🛤

The world's first vaccine against malaria will be introduced in three countries – Ghana, Kenya and Malawi – starting in 2018.

...but it is not yet clear if it will be feasible to use in the poorest parts of the world. The vaccine needs to be given <u>four</u> times – once a month for three months and then a fourth dose 18 months later.

(12 Sep 2017)

ARTICAN ACADEMY OF FAMILY PHYSIC

## Issued: Friday 24 July 2015

The European Medicines Agency in London declared Mosquirix safe for use and moderately effective against the malaria parasite, Plasmodium established falciparum, in combination with protective measures such as bednets. The World Health Organization must now formally agree to recommend its use in children. ...[Mosquirix] is also protective against hepatitis B. Nature 2015:523:507

Malawi's Malaria Vaccine Programme on track By Author / Wednesda 04 Sep 2019 05:42AM / Leave a Comment / Tages: Natiatia Vaccine Programme on track / 219 views

By John Saukira

**LILONGWE (MaraviPost)** - Malaria Vaccine Implementation Programme (MVIP) which Government rolled out in 11 districts in April this year has started bearing fruits.

(Ghana began on 30 April 2019, too)

www.maravipost.com



	Low transi	mission	High transm	ission	
PLOS CO	C 32%	68%	D 3%	97%	7
So					
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			ion, be prepa <u>icreased</u> drug		e?!
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