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## Article:

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## Virus is transmitted with mosquito saliva into the dermis **Epidermis** Dermis Mast cells 1 degranulation **Blood vessel** 2 permeability 4 infection of stromal cells or resident DCs / $M\Phi s$ Plasma 3 leak & edema Neutrophils 5 recruitment & orchestrate response Monocytes 6 recruitment & differentiation mosquito saliva virus mast cell Monocyte-derived DCs / MΦs **7** infection macrophage (M $\Phi$ ) resident dendritic cell (DC) **DC migration 8** to lymph nodes neutrophil monocyte Virus monocyte-derived DC 9 drainage to lymph nodes **Disease** then to brain, liver, lung or other organs 10 severity