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Keeping an eye on the brain of perinatally HIV-infected children

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PROPOSITIONS

accompanying the thesis

KEEPING AN EYE ON THE BRAIN OF PERINATALLY HIV-INFECTED CHILDREN

1. In addition to untreated HIV early in life, we should consider ongoing immune activation, inflammation, and vascular dysfunction as potential threats to the developing central nervous system of perinatally HIV-infected children, despite long-term combination antiretroviral therapy. *(this thesis)*
2. Undetectable plasma and cerebrospinal fluid HIV viral load and adequate CD4+ T-cell counts do not reflect adequate protection of the central nervous system in perinatally HIV-infected children on long-term treatment. *(this thesis)*
3. Studying retinal structure may serve to complement our understanding of the pathophysiology of pediatric HIV-associated central nervous system pathology. *(this thesis)*
4. Neuroimaging, optical coherence tomography, and laboratory biomarkers remain imperfect proxies of brain tissue pathology in pediatric HIV, and need to be interpreted alongside longitudinal clinical correlates to determine their relevance for monitoring and treatment. *(this thesis)*
5. The most crucial effort in preventing perinatal HIV-associated central nervous system disease in future generations is to prevent HIV infection of their mothers.

6. He who knows all the answers has not been asked all the questions. (*Confucius*)
7. The trouble with having an open mind, of course, is that people will insist on coming along and trying to put things in it. (*Terry Pratchett*)
8. The art of simplicity is a puzzle of complexity. (*Douglas Horton*)
9. 初心忘るべからず (*"We should not forget our beginner's spirit."* Japanese proverb)
10. Never give up on a dream just because of the time it will take to accomplish it. The time will pass anyway. (*Earl Nightingale*)



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