

Propositions (Juan Li 2017)

1. Although CD4 cell counts are considered as strong prognostic factors with respect to HIV survival, this notion is simplistic when the temporal aspect of the relation survival/CD4 count is ignored studies (*this thesis*).
2. Co-infection with hepatitis viruses in HIV patients does not significantly impact responses to anti-viral therapy (*this thesis*)
3. The context of increasing mortality of HCC in the USA, increases the significance of ethnical disparities in overall survival of HCC patients. (*this thesis*)
4. Asymmetry in funnel plots on the effects of metformin on liver cancer growth indicates that publication bias is present in the literature on this subject. (*this thesis*)
5. The potential combination of serum CK18 fragments with other non-invasive markers might improve the total performance, especially the sensitivity, in the diagnosis of liver disease. (*this thesis*)
6. The statement of Edmund Burke "Reading without reflecting is like eating without digesting." is aptly illustrated by my own experience when studying scientific literature.
7. The statement of Rene Descartes "I think, therefore I am" remains the fundamental element of philosophy, as it purports to form a secure foundation for knowledge in the face of radical doubt. (1637)
8. We feel that science is mainly advanced by person who display exceptional intellectual ability, creative productivity and universality. However, this underestimates the importance of effort, Even Albert Einstein said "Genius is 1% talent and 99% percent hard work...".
9. The evolutionary process that led to the emergence of anatomically modern humans is not the unavoidable outcome of the forces exerted by natural selection. Hence the statement "We are an accident." (*Sapiens: A Brief History of Humankind* by Yuval Noah Harari)
10. Post-Darwinian biology can be summarized by three words from Yuval Noah Harari: "Organisms are algorithms..." (*Homo Deus: A Brief History of Tomorrow*)
11. Thinking, Fast and Slow (Daniel Kahneman)