

# **Prevention and detection of blood/vector borne diseases such as AIDS in Human beings across the world**

**Hatim Kanpurwala**

Consultant, Mumbai  
Email: hatimk@rediffmail.com

## **Assumptions**

It is a known fact that AIDS is caused by frequent sexual intercourse by persons with different partners and also by usage of used needles by drug addicts/users (Reference: Sunday Calcutta Telegraph edition, Jan-April 1987 prints, exact date not known but a small article was published and read by me (the author of this paper) on a Sunday between the months of Jan-April 1987).

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Conclusions drawn from above article was that AIDS can be possibly be transmitted by mosquito blood transmission from one human being to another using mosquito's biological needle but now it is an established fact that the AIDS virus cannot be transmitted by mosquito bites. But the other conclusion drawn from reading this article in 1987 was that AIDS virus can be transmitted by blood transfusion in hospitals and that there is a need of using new syringes for every usage for a patient. The only prevention in such cases is adequate testing of blood samples and blood donors in Blood Banks for the virus prior to usage of blood stored in such facilities. And for Humans to not get infected by the virus the safest and surest method is to either use proper safeguards such as condoms etc when having sex with multiple partners or abstinence of sex with multiple partners. The other fallout of this idea/concept is that the blood stored in a mosquitoes body and saved/preserved in a fossil over ages containing the blood of perhaps pre-historic animals/beings etc can be used to examine/study the genes of such pre-historic animals/beings and perhaps their evolution down the ages as illustrated in the Hollywood film Jurrassic Park.

## **CONCLUSION**

The study of blood and blood samples stored in either Blood Banks or other blood carriers such as mosquitoes is important.

## **Implications and potential applications**

From the above observations there are many potential applications such as –

1. Prevention/detection of AIDS.

2. Prevention/detection of those diseases carried by blood carriers by adequate testing of blood
3. A potential dangerous application is germ warfare, whereby such dangerous disease carrying blood carriers such as humans/animals/insects and other modes or mediums are released in the environment/world or society which could potentially pass on these diseases to our world and humankind

### **Summary and Scope for further research**

The fact that there is a possibility of transmission of diseases as outlined in this paper warrants a study/examination of such conditions/circumstances and environment to effectively control and prevent transfer of such diseases to humankind and even possibly to the animal kingdom for the survival of the same.