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Diagnostic efficacy of saliva for detection of HIV antibodies

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Generation of specific antibody response is a critical component of host defense against pathogenic microorganism and HIV is no exception. HIV specific antibodies of immunoglobulin isotypes IgA, IgG and IgM are readily found in salivary secretions of infected individuals but at levels considerably lower than found in blood. HIV specific antibodies were detected in saliva and serum samples by ELISA in established HIV sero-positive. The results were found to be 99% sensitive and 100% specific for saliva samples, which proved that saliva can be used as a substitute to blood for detection of HIV antibodies and saliva collection is painless, non-invasive, low-cost, easy and fast as well. This paper highlights the salivary antibodies testing which may provide better access to epidemic outbreaks, children, large populations, hard-to-reach risk groups and may thus play a major role in the HIV surveillance and manage the spread of HIV.

Biography

Ranjit Kumar Patil has completed MDS from Government Dental College & Hospital, Nagpur University. He is presently working as Professor and Head, Post-graduate Department of Oral Medicine & Radiology, King George Medical University, Lucknow, India. He is also Honorary PhD Supervisor, Faculty of Dental Science, Pacific Academy of Higher Education & Research University, India. He has more than 25 papers in various reputed Journals. He has supervised more than 15 research projects. He has numerous oral presentations in various conferences including the last presentation at 4th World Congress of the International Academy of Oral Oncology, Rhodes Island, Greece & Guest Lectures. He has participated in more than 48 various conferences & CDE program and acted as Scientific Chairman in more than 20 conferences. He is reviewer of various national & international journals including *J Educational Evaluation for Health Professional*, c/o Institute of Medical Education, Hallym University, Republic of Korea. He has also been an Editorial Board Member of *Indian Journal of Oral Medicine & Radiology* during the years 2011-2013.

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