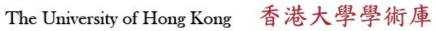
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Title	Detection of anti-HIV-1 IgG antibodies in whole saliva by GACELISA and Western blot assays
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15

ASSOCIATION BETWEEN PERIODONTAL HEALTH AND HIV INFECTION IN A GROUP OF HIV-INFECTED INDIVIDUALS IN DAR ES SALAAME 1. MOSHI*, M.I. Matee*, F. Scheud**, L. Andage**r, A. M. Holm**, H. Holtet**, C. Kagoma*, N. Mperiba*
**Mulmibill Medical Centre, Dar es Salami, Tarania ** Royal Dental College Aarhus University, Denmark.

This study investigated the association between periodonal health and HIV seneratus and the stage of HIV infection in a group of HIV-infected individuals in Dar es Salaam. 192 out of 227 HIV-infected individuals who were stending the AIDS clinical trial clinic at Hulmbribil Hedded Centre during the study (July to August, 1995) were enrolled as cases. 156 individuals from zeras neighboring Mulmbribil Hedded Centre were enrolled as controls. Periodonal status was assessed by measuring bleeding tendency, pocket depth and acactement loss on 6 index teed (16, 11, 26, 36, 31, 31 and 4.6) using a graduate WIND probe and a mount mirror.

HIV-infected Individuals were grouped according to CD4+ lymphocyte count/mm¹ (>500, 200-500, <200) and total lymphocyte count/mm¹ (>5000, 1000-2000, <1000), and according to clinical presentation as HIV-seropositive (the asymptomaxic) and AIDS (drose with clinical features suggestive of the syndrome).

Our results did not show any significant association between bleeding tendency, pocket depth or attachment loss with other HIV sensiatus or stage of HIV infection.

We conclude that neither HIV infection per se nor the stage of HIV infection is related with periodontal health in this group of

16

DETECTION OF ANTI-HIV-1 IgG ANTIBODIES IN WHOLE SALIVA BY GACELISA AND WES BLOT ASSAYS: M.I.N. MATES*, E.F.L.L.yamuya*, E. Simon*, E.C. Mbena*, C. Kagoma*, L.P. Samaranayake*, F. Scheutz**. *Muhlmbill Medical Centre, Dar es Salaum, Tanzania ** Dental College, University of Arthus, Denmark. AND WESTERN

The aim of the preent study was to assess the sensitivity, specificity, and feasibility of detecting anti-HIV-1 IgG antibodies in whole salva collected from a group of Tanzanian adult. Matched serum and saliva samples were collected from 158 HIV seropositive and 167 HIV seronegatives attending various clinics at Whilmhibil Heddac Centre in Dar es Salaam. Salva samples were collected with the Omni-Sal TM device and tested for anti-HIV-1 IgG antibodies with two conventional Elias based on different principles. All subjects were then questioned whether they would, in future, prefer to provide blood, urtine or saliva for HIV testing, and whether they found the saliva collecting evice (the Omni-TiM sasy or difficult to use. the time taken by palents to collect sufficient saliva sample was recorded in minutes. Our results indicate a 100st agreement between serum and saliva in the detection of HIV infection. Many patients preferred to provide saliva (65%) rather than serum (23%) or urine (12%). The Omni-Sal. TM saliva collecting system was easy for 96%, difficult for 1.5%, while 2.5% of the subjects had no opinion. The time taken to collect enough sample was less than 3 minutes in 98% of the individuals. Yer results suggest that saliva is a reliable specimen for screening and diagnosts of HIV infection and is a suitable epidemiological tool for estimating the manifested of HIV infection in a population. the magnitude of HTV injection in a population

17

THE ROLE OF HELICORACTER PHYLORI IN ORAL LESIONS: E. Y. ELOCHU* Dept. Oral Surgery Mulago Hospital Complex, P.O. Box 7051 Kampala, Uganda.

This study was designed to demonstrate the presence of Helicobacter pylori in non-specific uicers, oral carcinoma, and papilloma.

25 cases including non-specific ulcers oral cardinoma and oral papilloma were selected for immunohistological analysis.

use anti-Helicobacter pytori monociononal antibody HPN(32) was used for the detection of Helicobacter in paraffin-embedded to sections. Positive staining sections were examined by electron microscopy for detailed morphology of the stained elements.

Details of age, sex, size, duration of lesion, smoking and medications were sought from the patients records. Immunostaining of organisms consistent with helicobacter priori was found in 4 out of 2.5 (1.0%) of the cases. Electron microscopy confirmed the bacterial morpholopy as consistent with Helicobactery priori in 3 of these cases. All the positively standed lesions had been persent for more than 6 months. The apparent predominance of positive staining in tongue testons could not be confirmed on statistical grounds. Other factors file age and sex could not be related to the positive findings.

The presence of helicobacter pylori in this dissue may actually suggest for role as a risk factor in these diseases as this is suggested by their role in the development of the gastrointestinal tract pathology.

This study indicates that Helicobacter pylori can be found in non-specific oral ulcers, in oral carcinoma and papilloma in some pathology.

18

ANTIMICROBIAL SUSCEPTIBILITY PATTERN OF BACTERIA ISOLATED FROM PYOGENIC ORO-FACIAL REFECTIONS BY MURHIPBILI MEDICAL CENTER IN DAR ES SALAAN: H. NGUVUMALI*, J. Modhy, M.I. Niese, Mulhimidi Medical Center, Day es Salaam, Tanania.

This surely leversigated the cytes of bacteria lookated from progenic on-facial Infections among patients referred to the Department of Ortal Surgery and Ortal Packology in Hudinatibility and their sentiability to antibiotics which are commonly prescribed at me hospital. A total of 92 patients, S.S. make and 3.7 females with progenic on-facial infections enterous enterous enterous programments of 92 patients. S.S. make and 1.7 females with progressive of the discontinuous enterous ent

19

WATER DEFLUORIDATION AS A STRATEGY TO CONTROL DENTAL FLUOROSIS: A REVIEW: C.M. RWENYONYI*, Institute of Dental Research, Faculty of Dentistry, University of Bergen, Arstardveien 17, N-RWENYONYI*, Institute 5009 BERGEN, Norway.

Prevalence of dental fluorosis has been fairly well studied, and it is apparent that dental fluorosis is practically found in every country in the world. The aim of this paper, is to review the correlation between the endemicity of dental fluorosis and fluorosis concentration in drinking water (water being the major source of Ingested fluoride). Then, highlight studies done in the control of dental fluorosis in some endemic areas by water delirodations. Several methods both at communal and individual home unline employing either ion adsorption, exchange or both have been investigated. However, little success in their application has been realized. The major drawback include high costs, inconveniences in regular monitoring of fluoride concentration the processed water, and the unpaiatability of the potable water. Therefore further work is required leading to better quality potable water at an affordable cost.

20

DENTAL FLUOROSIS: A REVIEW OF LITERATURE WITH CONMENTS ON ITS RELATIONSHIP WITH NUTERITION, MITRITIONAL STATUS AND CULTURAL BEHAVIOUR. A.K. AWADIA', K. Bjovan (DOS, PLD) Institure of Dental Research, Excily of Dentals; Culturily (Albertaly of Betga, Betga Norway, K.

A comprehensive review of literature on dental fluorosis with comments on its relationship with neutrition (det), nucrisional status, body's physiology and cultural behaviour is presented. Recent reports have shown an locrase in the prevalence of dental fluorosis both in low and high fluoristic containing water communities. Also, there has been variation in the severity and prevalence of dental fluorosis in individuals living in the same area and with as common sources of weart. These variations have traditionally been explained by variations in the fluoristic intake, but other factors, such as climatic factors (mean annual temperature) as well as nutritional and cultural habits have been brought up. It is concluded that more research is needed to explain the differences observed in the development of dental fluorosis.

21

THE FEASIBILITY OF MILK FLUORIDATION IN COMMUNITY PREVENTIVE PROGRAMMIS - A PRACTICAL EXAMPLE PROM AN AREA OF PERUS - I. N. WHITEHOUSE*, Denai School, University of Wales College of Medicine, Yago Dennyado, College Medolygeach Pringspal Cymnu.

e beneficial effect of fluoridated milk on the prevalence of dental carles is well documented and it is generally accepted that uctions of 20-25% are achievable through community based preventive programmes. However, it is generally assumed that the whick and logistic support that is necessary is such that milk fluoridation is not a viable option. This paper describes how to cond-sability study to assess the use of the technique in a given country or district. It is based on a practical exercise that has just beer pleased in two regions in Peru, a country that shares many of the problems of East & Southern Africa. Therefore it is possible to as the feasibility of milk fluoridation.

22

ALTITUDE, DIET AND DENTAL FLUOROSIS: A STUDY IN TANZANIA: LMABELYA* K.M. Yoder**, V. Robbon**. Department of Prevenitive and Community Dentitory, University of Dar es Salaam, ** Oral Health Research Institute, Indiana University, U.S.A. ***Tyler, TesakLOV.

In February 1996, 284 Tanzanian children in three locations, at different abitudes (100,840 and 1430 meters), were examined for caries and denial fluoroisi. They were interviewed about their food habits and use of cooking additive "magad". Water, food, urine and magad samples supplied by the participants were analyzed for fluoroide content.

Water F-content at 100 and 1430 meters was low (≤ 1ppm). Water F-content at 840 meters was high (X 5.72 ppm). As expected, mean TFI Fluorosis scores at the mid-alditude and high F- area were high. The mean of the maximum scores was 6.7. The fluorosis scores of the two sites with negligible water F-differed dramaticality; the 100 meter site had a mean maximum score of 0.00 while the 1430 meter site had a mean maximum TFI score of 6.96. Assuming that food habits have not changed disactically since the childran's anteigenesis, and urine samples were analyzed. Mean food F-values were 0.49, 2,47 and 2.14 ppm respectively. mean urine F-values were 0.57, 4.43 and 1.43 ppm respectively. mean urine F-values were 0.57, 4.43 and 1.43 ppm respectively. The score of 0.00 means site was not consistent with the low F-concentration in drinking water, and was more severe than what would be espected with the moderate urine F-values which were found.