C - POITOBE SECTION - C)

PRILIMINARY STUDIES ON THE ANTIBACTERIAL ACTIVITY OF SELECTED PLANT EXTRACTS USED BY AYURVEDIC PHYSICIANS IN JAFFNA THE SELECTION OF T

Antibacterial action of eight common plants which are used in indigenous medicine in Jaffna were tested using disc diffusion method. Standard antibiotics such as Cefuroxime, Ampicillin and Penicillin were used as control. Crude extracts of five plants such as Azadirachta indica (Vempu), Coriandrum sativum (Kothamali), Ctenolepis garcini (Musumusukai), Hibiseus rosasinensis (Sevarathai), Zingiber officinale (Inchi) showed very high antibacterial activity against Staphylococcus aureus, which commonly causes superficial and deep seated pyogenic infection and was Penicillin resistant. Extract of C. sativum showed high antibacterial activity while four plants such as A. indica, Phyllanthus emblica (Nelli), H. rosasinensis and 2. officinale showed moderate antibacterial activity against Klebsiella which commonly causes pneumonia, and was Penicillin resistant. Extract of the other two Loranthus (Kuruvichai) and C. Sativum showed antibacterial activity against Psudomonas which commonly causes endogenous urinary tract infection and was Cefuroxime and Penicillin resistant. Extract of A. indica, C. sativum, C. garcini, H. rosasinensis and Z. officinale were highly effective against Escherichia coli which commonly causes infantile diarrhoea and urinary tract infection and was Penicillin resistant. These results show that the locally available natural resourtes could be developed into newer antibiotics.

colonies present in the soft drinks (if samples) was in the range, of 3.8 x 102 - 9.8 x 102 - 9.8 x 102 - 9.8 x 102 - 9.8 x 102 - 0.0 in colonies milet, restanded against the colonies milet, restanded permitted microbial, count for soft drinks is 100 colonies milet, (max). Presence of coliform bacteria mayes stested in these drinks using cleates was broth and Bosin Methyleneroblues ((ENB) egar relates in Coliform bacteria was not present in directed soft drinks. Qur results indicate that the consumers capacially children, have to she protected from the barnful effects of sacriarin but doin beverages of the color and according to the collines on the development of the collines on the development of the collines of the plant of the beside of the beverage and allowed was recorded and allowed was recorded and allowed when the plant of the pla