

THE EMERGING DISEASES - THE HEMORRHAGIC FEVERS

MARBURG, EBOLA AND LASSA FEVERS

- A. HISTORY OF EBOLA
 - 1. SUDDEN APPEARANCE OF MARBURG HEMORRHAGIC FEVER - 1967
 - a. IMPORTATION OF AFRICAN GREEN MONKEYS
 - b. INFECTION OF HANDLER IN BELGRADE
 - c. INFECTION OF WORKERS IN MARBURG & FRANKFURT
 - d. TOTAL OF 37 INFECTED
 - e. FATALITY RATE WAS 25% AND CONTINUES TO BE ABOUT 25-30% IN MORE RECENT OUTBREAKS
 - 2. JUST AS SUDDEN, EBOLA HF APPEARED IN 1976
 - a. FIRST CASES IN YAMBUKU, ZAIRE (DRC)
 - 1) 318 CASES, FATALITY RATE 88% (280)
 - 2) MAINLY FAMILIES & HEALTH CARE WORKERS
 - 3) NO EVIDENCE OF RESERVOIR HOST
 - b. A SECOND OUTBREAK IN THE SUDAN - SAME YEAR
 - 1) OUTBREAK IN NZARA, MARIDI
 - 2) AGAIN FAMILY MEMBERS AND CLINIC STAFF
 - 3) 284 INFECTED, 53% (150) DIED
 - 3. 1979 - SECOND OUTBREAK IN NZARA
34 CASES, 65% (22) DIED
 - 4. SOME INDIVIDUAL CASES - UNTIL
 - 5. EBOLA-RESTON EPISODE "THE HOT ZONE" - 1989-90
 - a. MONKEYS FROM THE PHILIPPINES "LONG-TAILED MACAQUES"
 - b. HOUSED IN RESTON, VA
 - c. MONKEYS HAD TO BE DESTROYED
 - d. FOUR HUMAN CASES W/O SYMPTOMS
 - 6. 1994-95 (TWO EBOLA-ZAIRE OUTBREAKS)
 - a. OUTBREAK IN GABON - 31 CASES, 68% MORTALITY
 - b. THE KIKWIT OUTBREAK
 - 1) 315 CASES, 81% MORTALITY (255 DEATHS)
 - 2) AGAIN FAMILIES AND HOSPITALS
 - 3) CAUSED CITYWIDE PANIC AND QUARANTINE
 - 4) FOLLOWED INDEX CASE TO LOOK FOR RESERVOIR - AGAIN NOT FOUND
 - 7. RECENT CASES
 - a. 2000-
 - 1) UGANDA, GABON AND DRC
 - 2) UGANDA CASES(425) ARE EBOLA-SUDAN
 - 3) THOSE IN GABON AND DRC ARE EBOLA-ZAIRE
- B. THE LASSA FEVER OUTBREAK
 - 1. 1969 CASES
 - a. TWO NURSES IN LASSA, NIGERIA
 - b. ONE INFECTED NURSE BROUGHT TO USA
 - 1) TWO LAB WORKERS AT YALE ARBOVIRUS RESEARCH LAB INFECTED, ONE DIED
 - 2. LASSA FEVER VIRUS IS WIDESPREAD IN W AFRICA