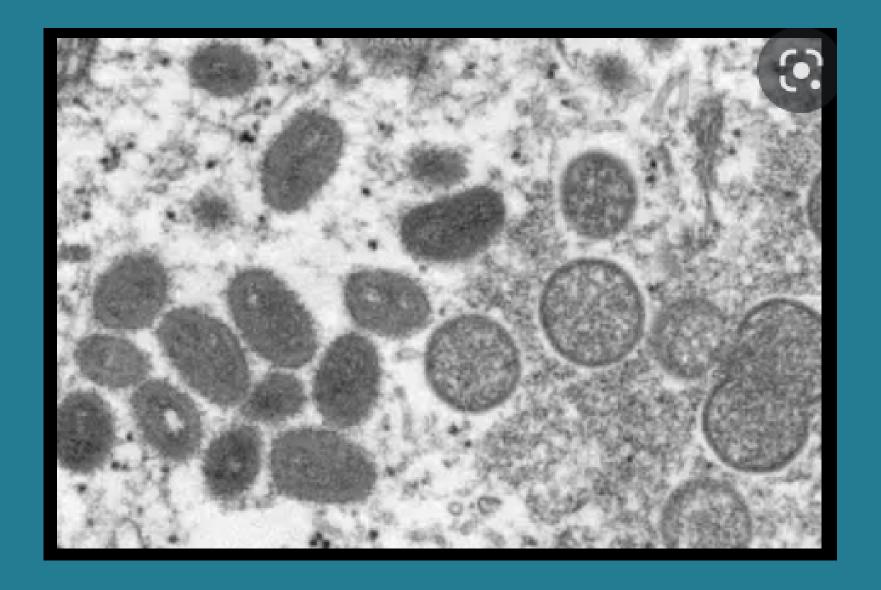
- MONKEYPOX IS A ZOONOTIC DISEASE
- THIS IS NOT A NOVEL VIRUS, IT WAS FIRST RECOGNIZED IN 1958 IN PRIMATES.
- THE DISEASE IS MOST PREVALENT IN CENTRAL AND WEST AFRICA
- THERE ARE 2 CLADES OF THE VIRUS THE WEST AFRICAN CLADE AND THE CENTRAL AFRICAN CLADE (CONGO BASIN)
- MONKEYS AND HUMANS ARE SPORADICALLY INFECTED
- HOSTS ARE THOUGHT TO BE RODENTS
- TRADITIONALLY SECONDARY ATTACK RATES IN HOUSEHOLD CONTACTS OF 9% IN UNVACCINATED (LESS TRANSMISSIBLE THAN SMALLPOX)
- SMALLPOX VACCINATION IS THOUGHT TO PROVIDE 85% PROTECTION

- IN 2003 A MONKEYPOX OUTBREAK IN THE US OCCURRED AS A RESULT OF EXPOSURE TO ILL PRAIRIE DOGS (INFECTED AFTER EXPOSED TO INFECTED RODENTS FROM GHANA)
- THE INCUBATION PERIOD IS USUALLY FROM 6-13 DAYS BUT CAN BE UP TO 21 DAYS
- PATIENTS PRESENT WITH FEVER, CHILLS, FATIGUE, HEADACHE, MUSCLE ACHES, BODY ACHES AND SWOLLEN LYMPH NODES
- LYMPHADENOPATHY (COMMONLY SUBMANDIBULAR, CERVICAL AND SUBLINGUAL)
- DISTINCTIVE RASH APPEARS 1-3 DAYS AFTER ONSET OF SYMPTOMS AND USUALLY BEGINS ON FACE THEN SPREADS TO BODY
- THE RASH CAN BE CONFUSED WITH OTHER RASHES SUCH AS VARICELLA, SHINGLES, SYPHILIS, CHANCROID, LGV, MOLLUSCUM AND HERPES
- THE RASH CAN CONSIST OF MACULES, PAPULES, PUSTULES, VESICLES, SCABS, BE DEEP OR UMBILICATE
- ILLNESS LAST 2-4 WEEKS

- TRANSMISSION OCCURS WHEN COMING INTO CONTACT WITH INFECTED PERSON/ANIMAL/FOMITES
- THE VIRUS CAN BE TRANSMITTED THROUGH SKIN, RESPIRATORY TRACT, MUCOUS MEMBRANES
- USUALLY IT IS LARGE DROPLET TRANSMISSION, HOWEVER SOME AEROSOL TRANSMISSION CAN OCCUR
- DIAGNOSIS IS WITH PCR
- MOST COMMON COMPLICATION IS SECONDARY SKIN INFECTIONS, FOLLOWED BY RESPIRATORY, NEURO-PSYCH,GI DISORDERS AND KERATITIS(PNEUMONIA/ENCEPHALITIS).
- THIS IS NOT SOLELY A SEXUALLY TRANSMITTED
 DISEASE BUT DUE TO THE NATURE OF CLOSE
 CONTACT AND MODE OF TRANSMISSION, CASES HAVE
 BEEN LINKED
- OVERALL MORTALITY WAS ~10%
- WEST AFRICAN CLADE CASE FATALITY RATIO (CFR) IS
 ~ 1-3.6%
- SEVERE DISEASE MAY OCCUR IN CHILDREN, IMMUNOCOMPROMISED INDIVIDUALS AND PREGNANT WOMEN

- TREATMENT IS MOSTLY SUPPORTIVE
- VACCINIA VACCINATION
- CONTACT TRACING AND ISOLATION
- TX JYNNEOS(IMVAMUNE VACCINE) CIDOFIOVIR, BRINCIDOFOVIR, TECOVIRIMAT, VACCINIA IMMUNOGLOBULIN (MOST DATA IN ANIMALS/NOT HUMANS)
- VACCINE CAN BE GIVEN FROM 4-14 DAYS AFTER EXPOSURE BUT EARLIER VACCINATION MAY REDUCE SYMPTOMATIC DISEASE
- WITH THE LONG INCUBATION PERIOD AND GLOBALIZATION OF TRAVEL, WE SHOULD EXPECT MANY MORE CASES OF MONKEYPOX TO BE DETECTED

- A LARGE EPIDEMIC OF MONKEYPOX CAN CAUSE A SIGNIFICANT STRAIN IF THE RIGHT PUBLIC HEALTH MEASURES ARE NOT IN PLACE
- MONKEYPOX HAS BEEN CONFIRMED IN ~17 COUNTRIES AND 150+ PRESUMPTIVE ORTHOPOXVIRUS CASES DETECTED
- IN THE US 1 CONFIRMED MONKEYPOX IN MASSACHUSETTS, CASES IN NEW YORK, UTAH, FLORIDA AND WASHINGTON CONFIRMED ORTHOPOXVIRUS
- PREVENTION SAME PRECAUTIONS CURRENTLY IN USE FOR COVID-19 ARE PROTECTIVE FOR MONKEYPOX
- HANDWASHING, MASKS, PPE, AIRBORNE ISOLATION/NEGATIVE PRESSURE, ISOLATE UNTIL ALL LESIONS HAVE CRUSTED OVER,
- IF YOU DO NOT REQUIRE MEDICAL ATTENTION, WHEN ISOLATING AT HOME STAY IN A SEPARATE ROOM, KEEP LESIONS COVERED, WEAR A MASK IF LEAVING THE ROOM AND ENTERING COMMON AREAS, AVOID CONTACT WITH WILD OR DOMESTIC ANIMALS, AVOID ANY CONTACT WITH IMMUNOCOMPROMISED INDIVIDUALS
- ANY EXPOSED INDIVIDUALS SHOULD MONITOR FOR SYMPTOMS UP TO 21 DAYS AFTER EXPOSURE
- AT THIS POINT THERE IS NO EVIDENCE OF ASYMPTOMATIC TRANSMISSION
- THIS IS AN EVOLVING SITUATION AND INFORMATION IS SUBJECT TO CHANGE



dumbbell shaped enveloped double stranded dna virus







(lesions are all in the same stage, centrifugal distribution) cropping, affects palms/soles, subungual lesions, more external genital involvement, lesions are painful and can be itchy when they crust



