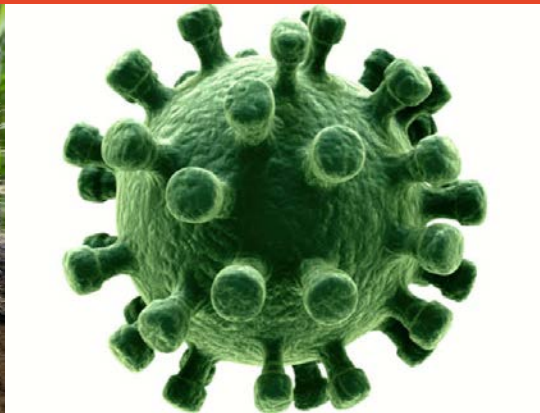


Infection Control Principles for Shelter Workers



Presented by

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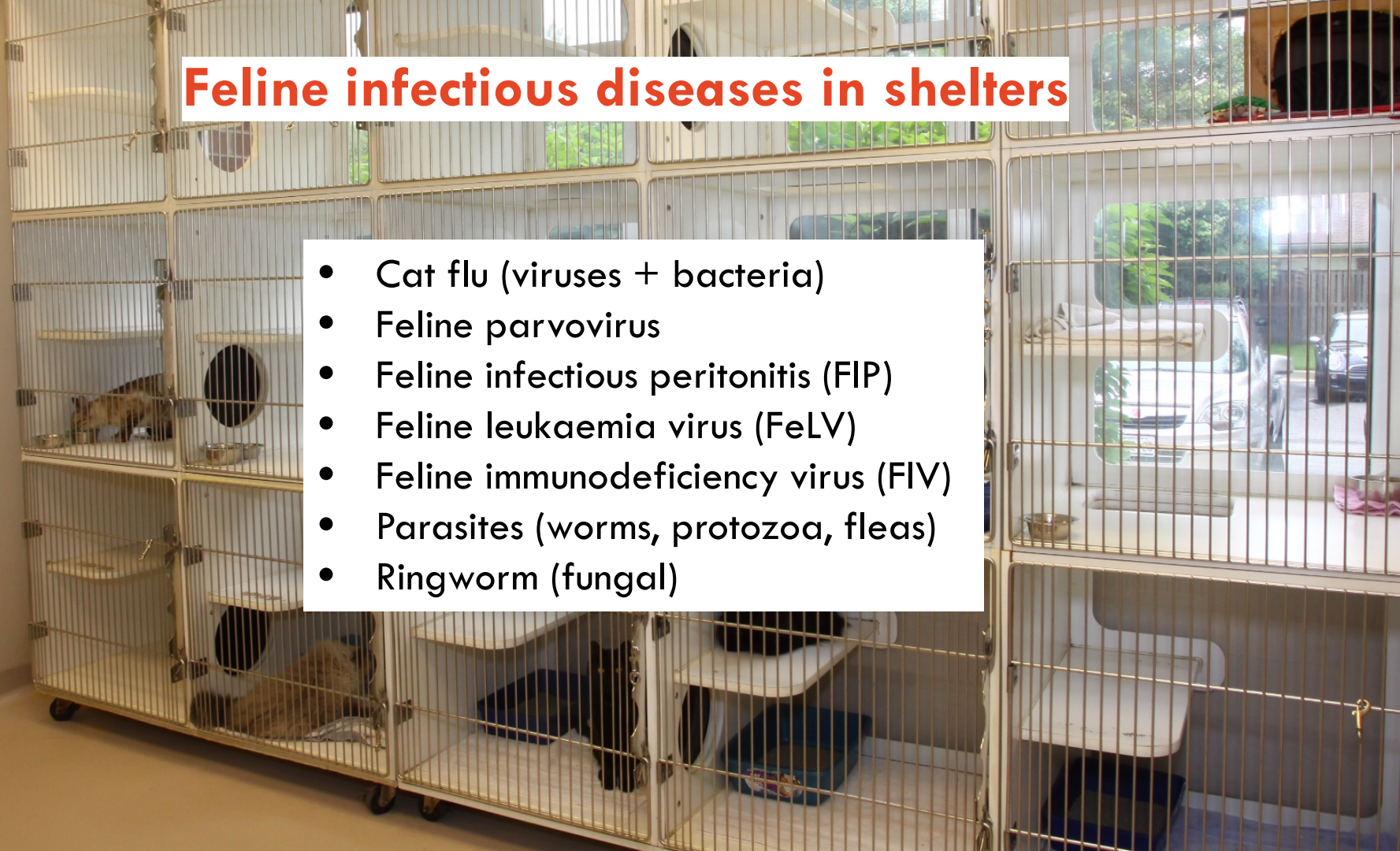
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THE UNIVERSITY OF
SYDNEY

Feline infectious diseases in shelters

- Cat flu (viruses + bacteria)
- Feline parvovirus
- Feline infectious peritonitis (FIP)
- Feline leukaemia virus (FeLV)
- Feline immunodeficiency virus (FIV)
- Parasites (worms, protozoa, fleas)
- Ringworm (fungal)



How feline infections are spread

- Direct contact
 - biting
 - scratching
 - grooming
 - mating



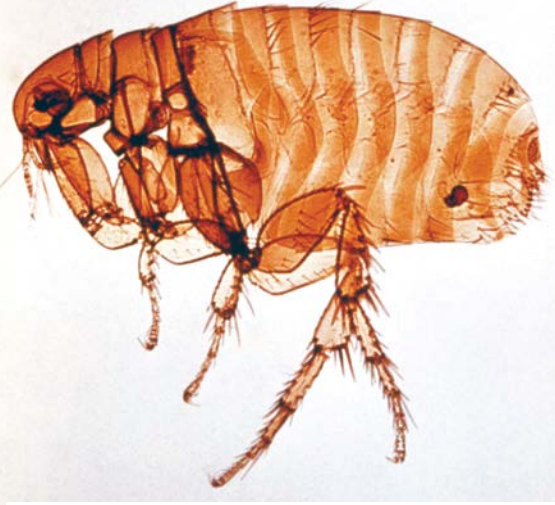


How infections are spread

- Indirect contact
 - with secretions from an infected cat
faeces, urine, snot, eye goop, vomit
 - with fomites



How infections are spread



- By vectors
 - mechanical spread
 - biting



Signs of cat flu

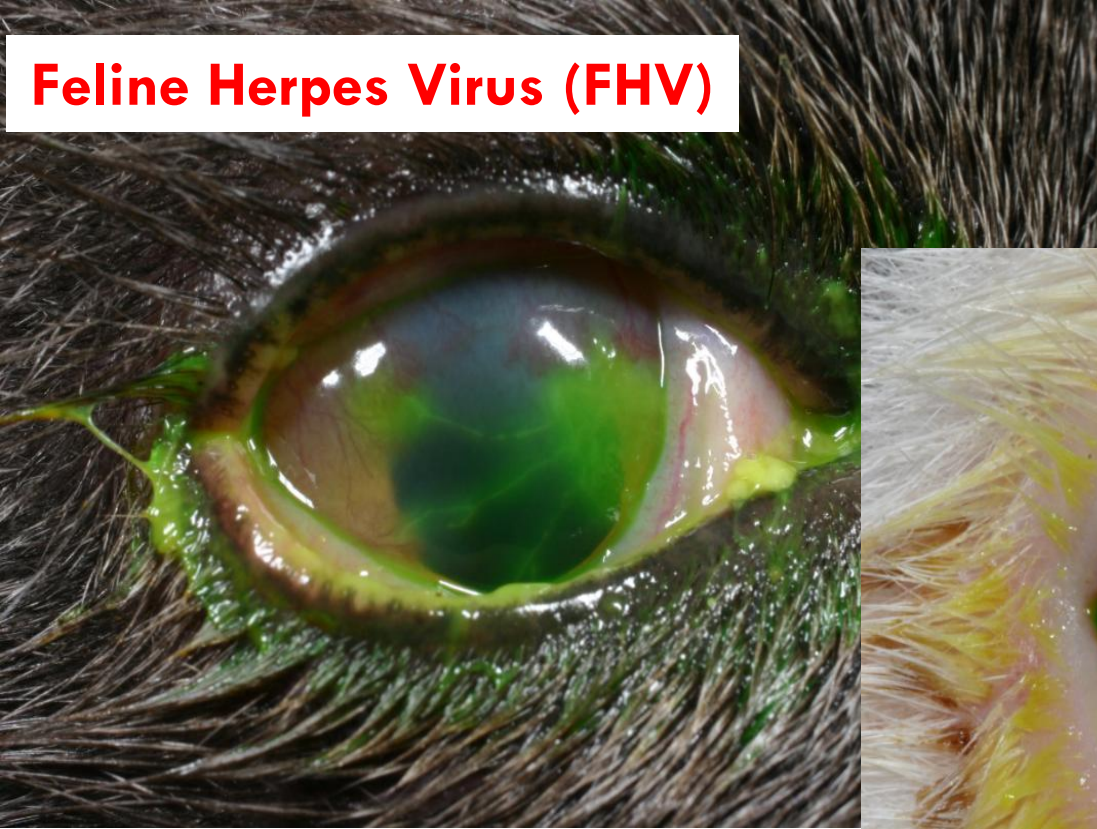


Depressed
Not eating
Nasal discharge
Sneezing
Conjunctivitis
Blinking or squinting
Mouth ulcers

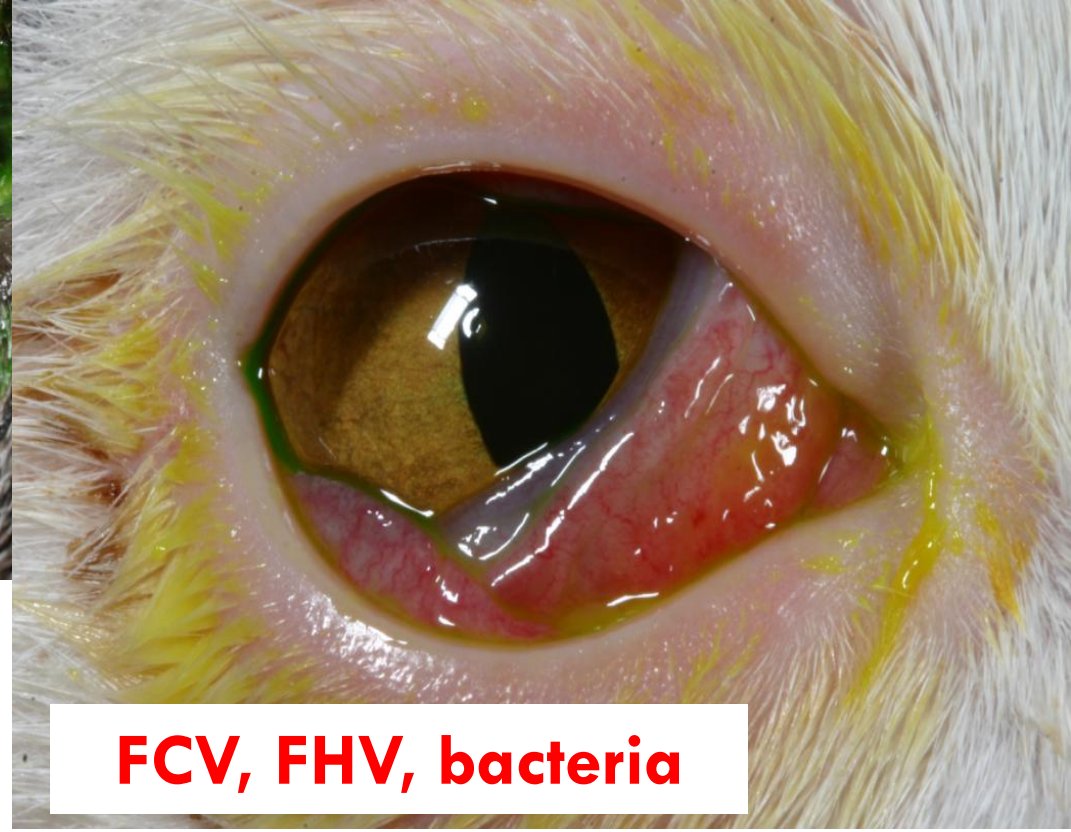
Cat flu
Feline Calicivirus (FCV)



Feline Herpes Virus (FHV)



Cat flu



FCV, FHV, bacteria

Transmission of flu viruses

- **Highly contagious**
- FCV - survives for a month in environment
- Spread in snot and eye secretions
- Spread by **you!!!! (fomites)**
- Sneezed droplets travel at least 1 metre



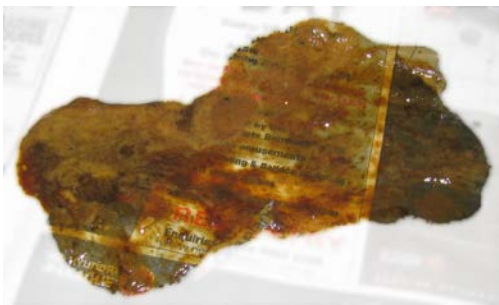
Feline parvovirus (FPV)

lethargy
loss of appetite
vomiting
diarrhoea
dehydration

death



- **Highly contagious**
- Survives > 1 year in environment
- Spread in all body fluids
- Spread by **you!!!! (fomites)**



Hand washing or hand sanitizing?



- Always wash if there visible soiling
- Washing removes **organic matter** that traps viruses

Liquid soap for hand-washing



OxyBAC Antibacterial
2 in 1 Function



- Accelerated hydrogen peroxide
- Removes dirt, organic matter
- Antibacterial, antiviral
- Use in isolation and quarantine wards

When can I use hand-sanitizer?



- Only if there is no visible soiling

Wash thoroughly
Dry thoroughly



- Remove your **jewellery** first!



- At least 15s

Which hand-sanitizer?



- Use **alcohol-based (70-90% v/v)**
- Use products containing **emollients** to prevent cracked skin

Do alcohol hand-sanitizers kill cat viruses & ringworm?



Mostly NOT

- Cat flu (FCV), parvoviruses and ringworm are resistant

When to hand wash/sanitize

- Before and after work
- Before wearing disposable gloves
- Before and after processing new animals
- After handling sick animals
- Before eating, drinking, smoking
- Before and after using phones, computers
- After handling waste
- After going to the toilet
- At anytime your hands are visibly soiled or feel sticky/grimy
- After cleaning tasks
- After handling dirty laundry – cat bedding/scrub wear

Personal Protective Equipment

Disposable PPE

Washable PPE



Wear **clean** scrubs every day
Change after doing dirty tasks
Change after handling sick animals



When should I change my gloves?



- Between every **cage**
- Sanitise hands after you remove gloves

Change gloves and perform hand hygiene



- when moving from dirty to clean areas on the same animal



- when moving from dirty to clean procedures on the same animal



- after contact with blood or body substances



- between individual animals



- before touching equipment such as computer keyboards during patient care



- if gloves become torn or damaged.

Disinfectants

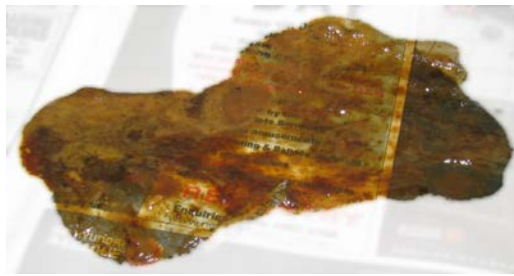


F10 disinfectant

FPV: 1:100 (contact time 15 mins)

Not effective against FCV

Effective against ringworm



QAC/ Biguanide Combinations

Animal excretions

- Inactivate disinfectants
- Clean with detergent first



Trigene II

FPV: 1:50 (contact time 15 mins)

Not effective against FCV

Effective against ringworm

Disinfectants

Effective against:

- FCV
- FHV
- FPV
- Ringworm



Sodium hypochlorite

1:30 dilution of a 5-6% solution
(contact time 15 min)



Potassium peroxymonosulfate
(contact time 10 mins)

Effective against:

- FCV
- FHV
- FPV
- 2% solution, 10 min
contact time effective
against ringworm.

Disinfectants



AHP

Accelerated hydrogen peroxide

Effective against:

- FCV
- FHV
- FPV
- Ringworm

What is Accelerated Hydrogen Peroxide®?



AHP® is a globally-patented, synergistic blend of commonly used ingredients that when combined with low levels of hydrogen peroxide produce exceptional potency as a germicide and performance as a cleaner.

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