Leptospirosis

Case Studies
Mr Romeo

Age: 67
Active as a 67yo male
Known high blood pressure and cholesterol
Dairy Farm worker
Bit overweight
Previous MI (mild heart attack)
Mr Juliet

Age: 37
Active, lean, a lot of physical exercise
No known health / medical concerns
Dairy farm worker
Involved in sports
Lives with partner, no children
Mr Charlie

Age: 57
Active, lean, muscular
Dairy Farm Manager
No known medical issues
Lives with partner and children
Active tramper, hunter, camper/wilderness
Mr Tango

Age: 57
Active, fit
Sheep Farmer
Mild high cholesterol
Lives with wife
Active
Headaches
Fever
Rhinitis
Arthralgia / myalgia
Fatigue
Loss of appetite
Sore throat
Cough
Conjunctivitis

Low BP
Low renal output
Poor heart output
Loss of consciousness
Case 1

Day 1
Presented with back ache
Freezing
Tired
Urinary Frequency

Hospital Admission – 3 days
Leptospirosis identified
Treated with doxy

Day 3
High temp
Tired
Weak, difficulty mobilising
Vague in conversation

Within 2 weeks:
Feeling well,
Back hunting
Exercise tolerance is ok, but improving steadily
Case 1

Mr Romeo
Mr Romeo

Age: 67
Active as a 67yo male
Known high blood pressure and cholesterol
Dairy Farm worker
Bit overweight
Previous MI (mild heart attack)
Case 2

Day 1
Presented with back ache
Freezing
Tired
Muscle aches
Fevers / rigors

Hospital Admission – 2 days
Admitted to ICU for hypotension
Severe ARF
Yellow / liver functions off
Leptospirosis identified
Treated with doxy

Day 5
High temp persists
Tired
Weak, difficulty mobilising

Within 1 weeks:
Feeling well,
Back at work, managing well
Case 2

Mr Tango
Age: 57
Active, fit
Sheep Farmer
Mild high cholesterol
Lives with wife
Active
Case 3

Day 1
Presented with back ache
Freezing
Tired
Fevers / rigors
Not eating

Day 5
Continued symptoms
Still working
Had only a couple of days off

Present twice over 2 weeks
With same symptoms

Bloods finally confirmed
Leptospirosis

Within 2 weeks:
Feeling well,
Back at work, managing
well, still fatigued and
achey but settling
Case 3

Mr Juliet
Mr Juliet

Age: 37
Active, lean, a lot of physical exercise
No known health / medical concerns
Dairy farm worker
Involved in sports
Lives with partner, no children
Case 4

Day 1
Presented with back ache
Fevers, rigors
Loss of appetite
Urinary Frequency
Myalgias / arthralgia
Very Flu-like

ICU admission for a week –
heart stabilisation, ARF, LOC
Then transferred to general
ward for a week.

Day 3
High temp
Tired, Weak, difficulty
mobilising
Vague in conversation
Helicoptered to ICU

Within 2 weeks:
Fatigued+++  
Poor appetite
Urinary frequency
Myalgia / arthralgia
Poor concentration / memory
Case 4

Mr Charlie
Mr Charlie

Age: 57
Active, lean, muscular
Dairy Farm Manager
No known medical issues
Lives with partner and children
Active tramper, hunter, camper/wilderness
Flu like symptoms
Worsening
Exposure

Age – any
Severity – any
Non predictable

Mortality....
Morbidity – can be life changing