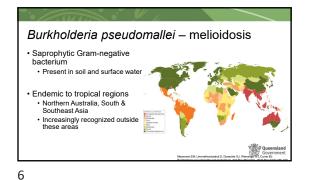
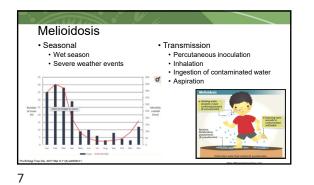




Case 1	
Blood cultures isolate Gram-negative bacilli at 24 hours	
• The organism is identified as Burkholderia pseudomallei	
	Queensland Government
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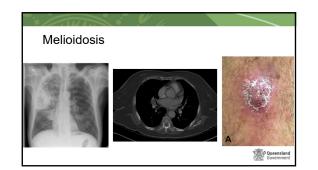


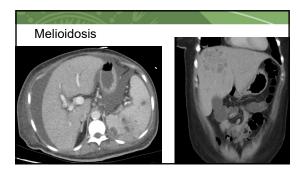
		munity		
<ul> <li>Impaired neutrophil fun</li> </ul>	ction			
nical risk factors	Patients, n (%)	Died from melioidosis, n (%)	RR (95% CI)	p value*
ibetes	513 (45%)	62 (12%)	1.1 (0.78-1.5)	0.72
zardous alcohol use	455 (40%)	56 (12%)	1.1 (0.80-1.5)	0.72
ronic lung disease	312 (27%)	45 (14%)	1-4 (0-98-1-9)	0.13
ronic renal disease	140 (12%)	24 (17%)	1-6 (1-06-2-4)	0-10
lignancy	111 (10%)	20 (18%)	1.7 (1.07-2.6)	0-10
munosuppressive therapy and other immunosuppression1	106 (9%)	18 (17%)	1.5 (0.98-2-4)	0.13
eumatic heart disease of congestive cardiac failure	102 (9%)	19 (19%)	17 (1.10-2.7)	0.10
ra use	39 (3%)	5(13%)	1.1 (0.48-2.6)	0-80
her	39 (3%)	7 (18%)	1-6 (0-79-3-2)	0.29
clinical risk factors	186 (16%)	3 (2%)	0-12 (0-04-0-37)	<0.0001

Melioidosis – clinical presentati	on
<ul> <li>Incubation period 1-21 days</li> </ul>	
<ul> <li>Most infections are asymptomatic</li> </ul>	
Acute     Symptoms <2 months     ~85-90% of cases	
Chronic     Symptoms >2 months     ~10% of cases	
<ul> <li>Latent with reactivation</li> </ul>	
Long after exposure	
Rare; <5% of cases	Que Gove

 Melioidosis – clinical presentation

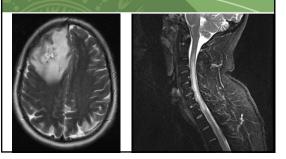
 image: clinital presentation



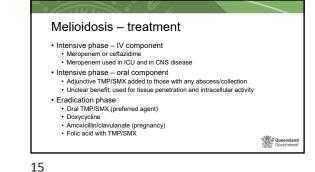




## Cairns and Hinterland Hospital and Health Service

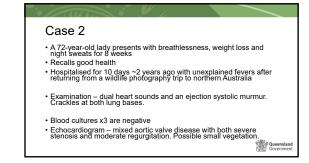




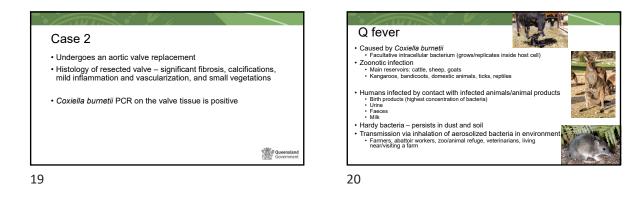


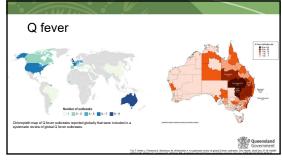
Melioidosis – treatment				
Antibiotic Duration Determining Focus	Minimum intensive phase duration (weeks)*	Eradication phase duration (months) <sup>f</sup>		
Skin abscess	2	3		
Bacteraemia with no focus	2	3		
Unilateral unilobar pneumonia without lymphadenopathy <sup>b</sup> , ICU admission, and with negative blood cultures	2	3		
Multilobar uniliteral or bilateral pneumonia without lymphadenopathy <sup>b</sup> , ICU admission and with negative blood cultures OR Uniliteral unilobar pneumonia without lymphadenopathy <sup>b</sup> , ICU admission, but with positive blood cultures	3	3		
Pneumonia with either lymphadenopathy <sup>b</sup> or ICU admission OR Multilobar unilateral or bilateral pneumonia with positive blood cultures	4	3		
Deep-seated collection <sup>c</sup>	4 <sup>d</sup>	3		
Osteomyelitis	6	6		
Central nervous system infection	8	6		
Arterial infection <sup>e</sup>	8 <sup>d</sup>	6 <sup>8</sup>		

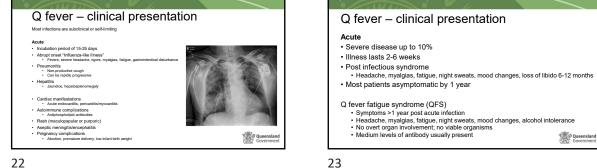
Melioidosis – prevention
<ul> <li>Gloves and enclosed shoes when coming in contact with soil</li> <li>Remain indoors during wet and windy weather</li> <li>Wear mask when using pressure hose outside</li> <li>Limit alcohol consumption</li> </ul>
Serology prior to starting immunosuppressive treatment     TMP-SMX prophylaxis     In high-risk patients

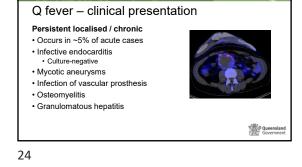




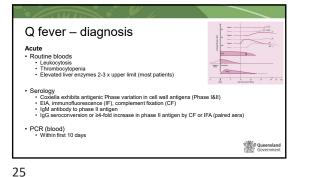


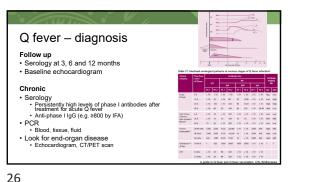




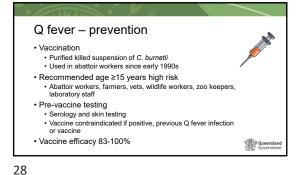


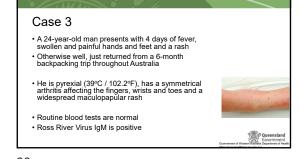








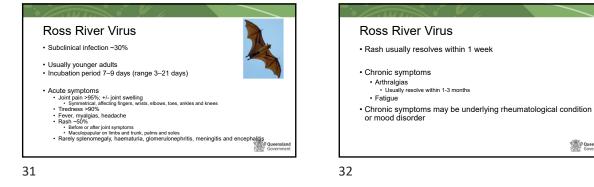


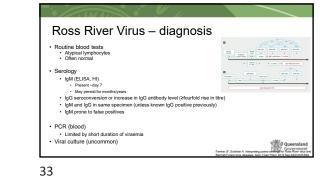






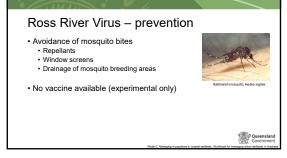




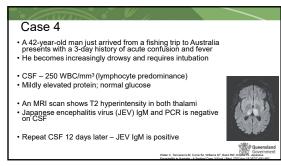


Ross River Virus - treatment Supportive care Acetaminophen (paracetamol) NSAIDs · Physiotherapy, exercise for chronic symptoms Queensland Government

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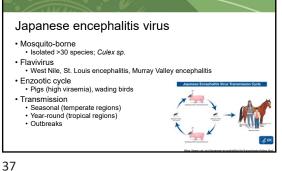
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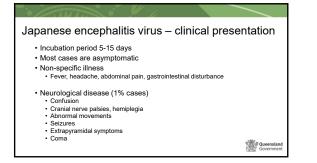
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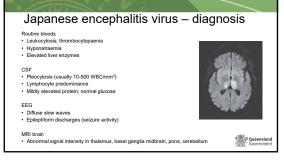


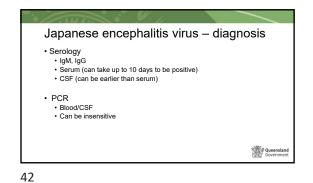














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