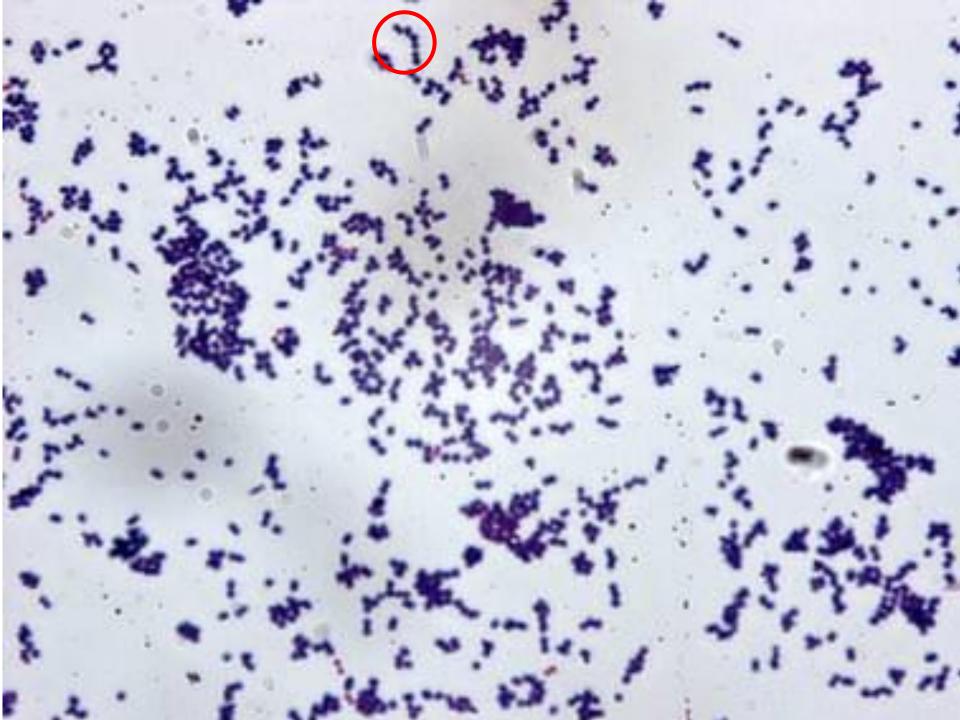


acuterheumaticfever rheumaticheartdisease anoverview

Sara Noonan 22 March 2016 Brisbane





Superficial infection

Pharyngitis
Skin infections



Invasive diseases

Septicaemia
Pneumonia, osteomyelitis, etc
Necrotising fasciitis



Toxin mediated diseases

Scarlet fever Streptococcal toxic shock syndrome



Post-streptococcal autoimmune conditions

Acute rheumatic fever
Post-streptococcal glomerulonephritis



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Skin infections



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Acute rheumatic fever

Post-streptococcal glomerulonephritis

Estcourt House 1894

Adelaide, Australia



Irvington House New York USA

A view of beds in the Irvington Home for

A view of beds in the Irvington Home for Rheumatic Fever.

PEDIATRICS Vol. 33 No. 5 May 1964, pp. 653-660

CONGESTIVE HEART FAILURE AND RHEUMATIC ACTIVITY IN YOUNG PATIENTS WITH RHEUMATIC HEART DISEASE

> A CONTROLLED STUDY OF THREE METHODS OF PROPHYLAXIS AGAINST STREPTOCOCCAL INFECTION IN A POPULATION OF RHEUMATIC CHILDREN¹ II. RESULTS OF THE FIRST THREE YEARS OF THE STUDY, INCLUDING METHODS FOR EVALUATING THE MAINTENANCE OF ORAL PROPHYLAXIS



Mozart

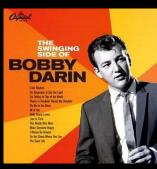


Columbus

Andy Warhol







Bobby Darin



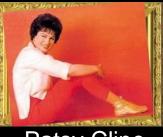
Joseph **Pilates**



Robert Burns



Donald Sutherland



Patsy Cline

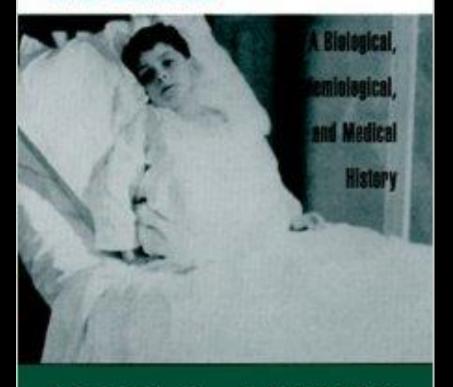


Princess **Astrid**



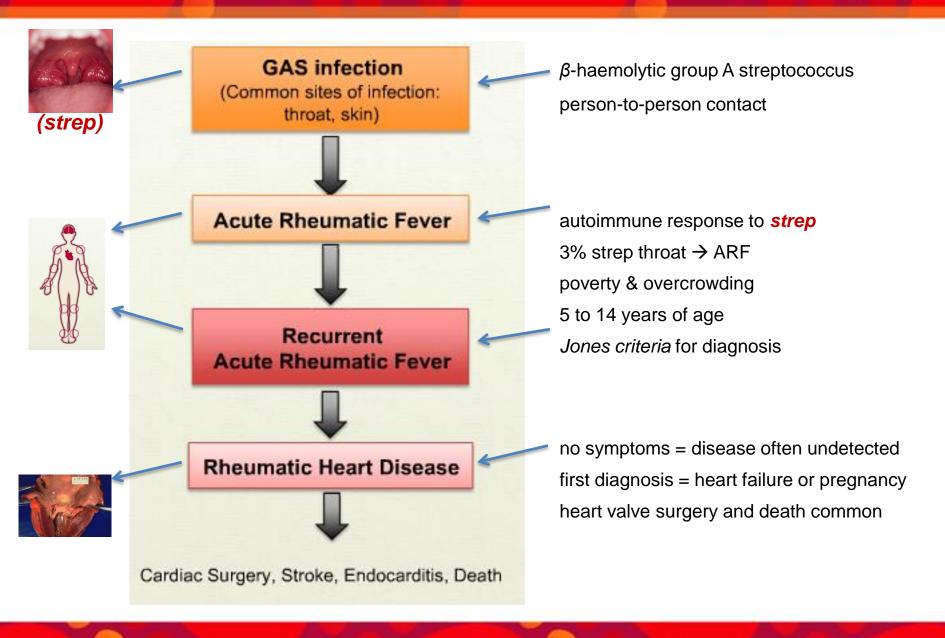
Kevin 07

RHEUMATIC FEVER IN AMERICA AND BRITAIN



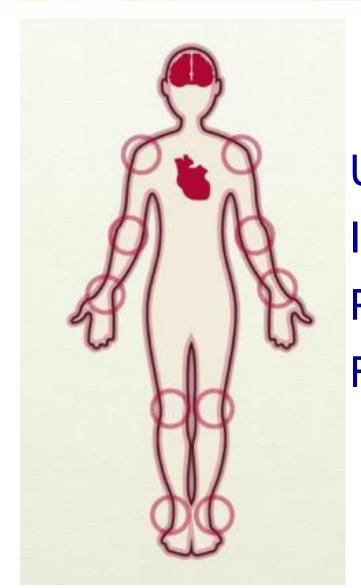
PETER C. ENGLISH







Joints
Brain
Skin
Heart



Unwell
Inflammation
Pain
Fever



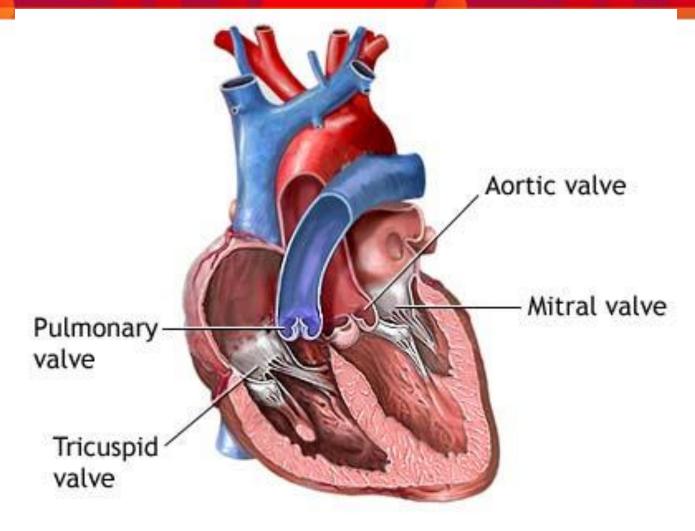




470,000 new cases

of Acute Rheumatic Fever each year









15.6 million people globally

with Rheumatic Heart Disease

Over

230,000 deaths

due to Rheumatic Heart Disease annually

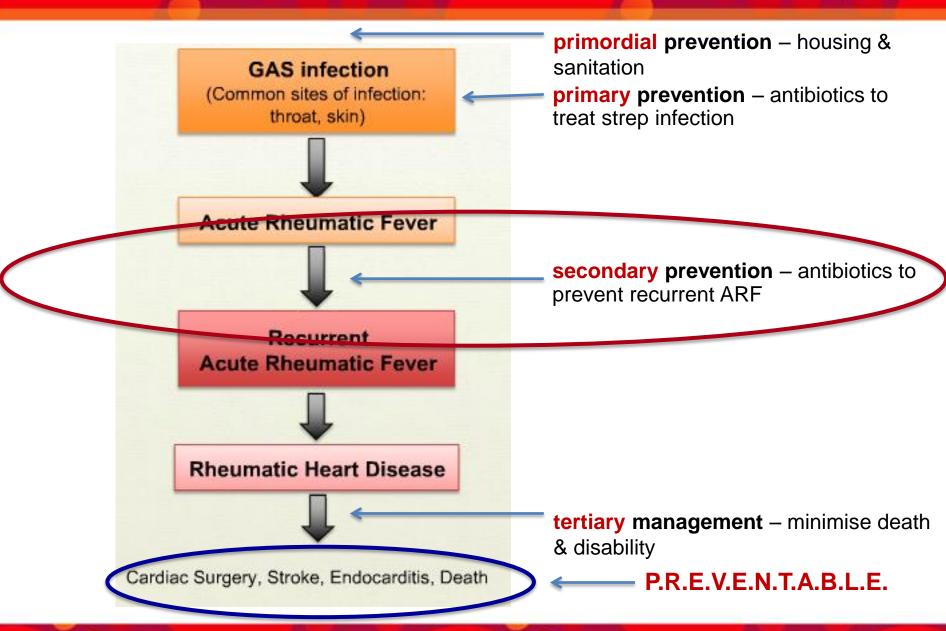


rheumatic heart disease ...

most common

cause of heart disease in children & young adults





1957 (pre-antibiotic era)



At St. Anthony's school Mrs. Marian Huff uses an electric torch as she examines the throat of a student. Lengthy lines form every school morning at each school.



Limb or joint pain in a school-aged Indigenous child?

Assume acute rheumatic fever until proven otherwise

Typical presenting symptoms:

- fever, malaise
- one or more painful joints
- unable to walk or use a limb
- unusual movements (chorea)



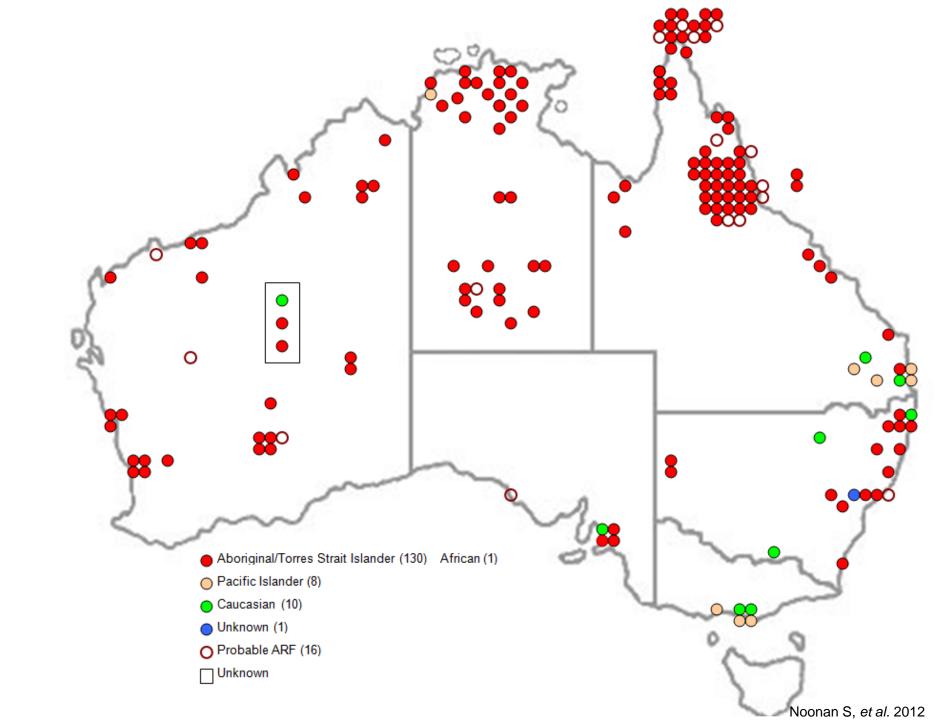
Further information: Primary Clinical Care Manual or visit the website: www.health.qld.gov.au/pccm

TODAY ...



ARF – children aged 5-14 years RHD – adults aged 35-39 years

Aboriginal 8x more likely to be hospitalised with RHD Aboriginal 20x more likely to die from RHD





Indigenous Australians Australia Maoris **Pacific Pacific Islanders** Sub Saharan Africa **Latin America** Indian subcontinent Middle East Northern Africa

Global burden











The Australian guideline for prevention, diagnosis and management of acute rheumatic fever and rheumatic heart disease (2nd edition)





indigenous australians Strep

→ ARF

→ RHD

interventions exist ...

secondary prevention

P.R.E.V.E.N.T.A.B.L.E.