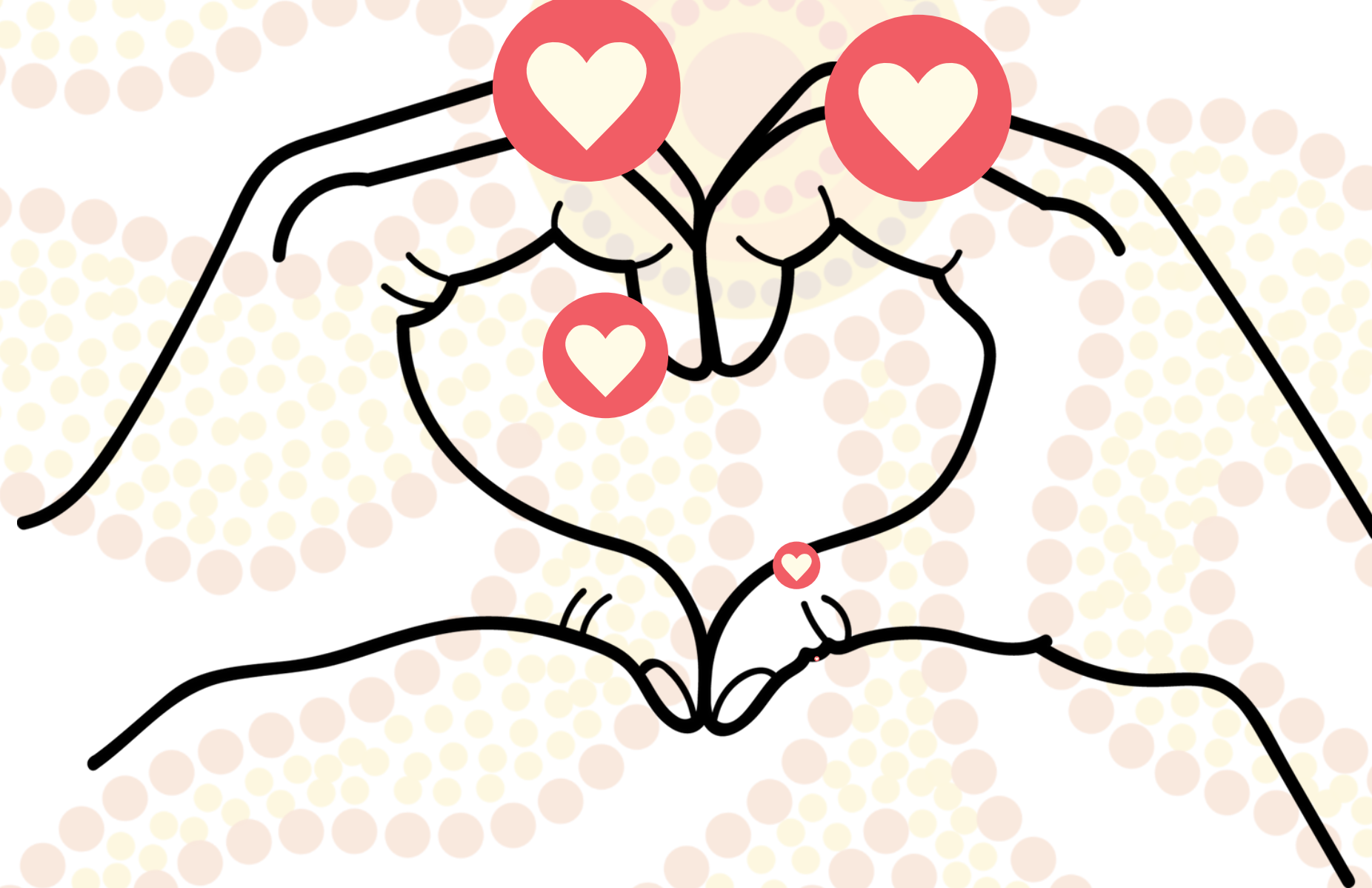
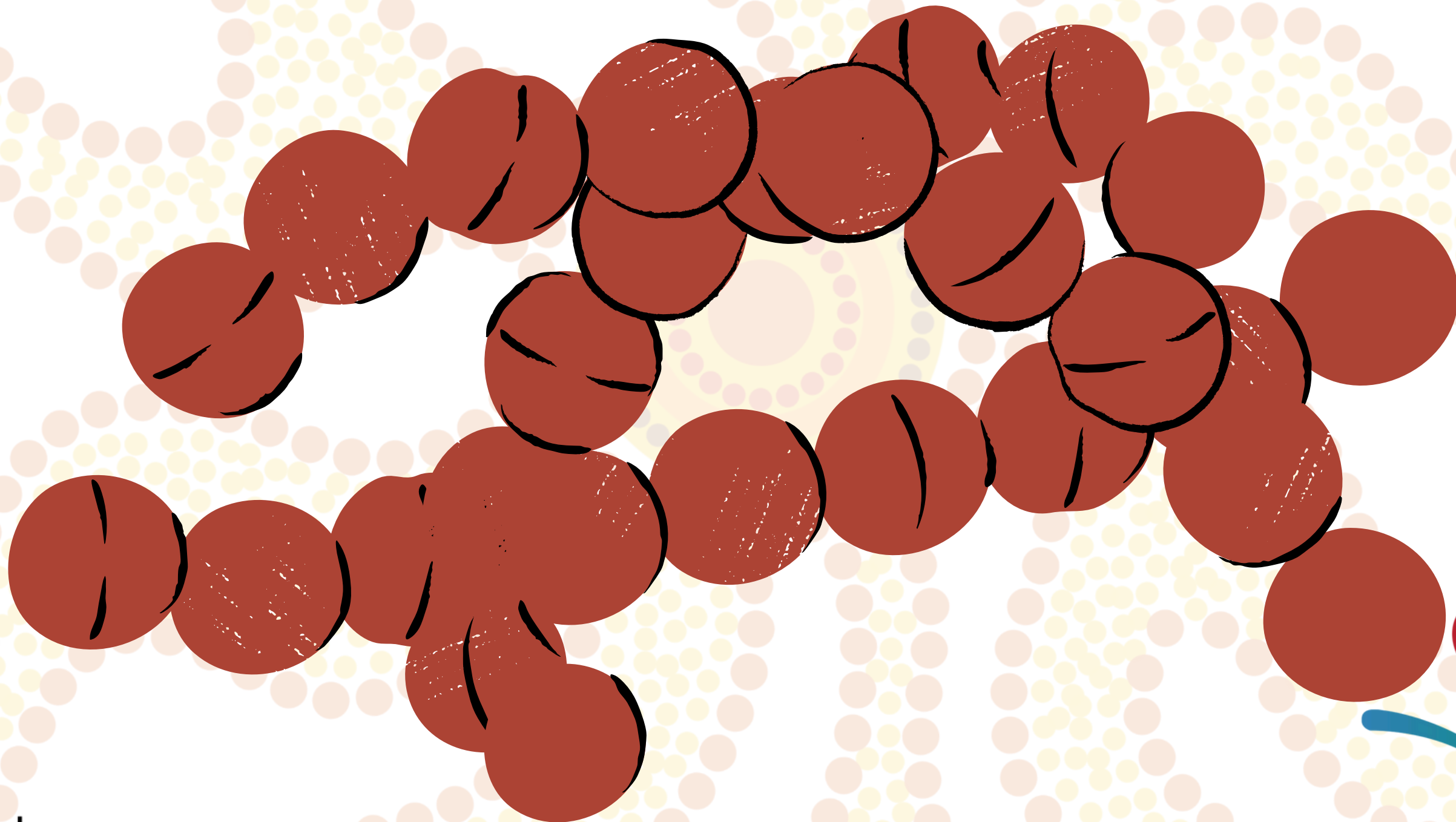


# Acute Rheumatic Fever (ARF)/ Rheumatic Heart Disease (RHD)



# Cause of ARF/RHD

**Strep A (streptococcus A)**



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for Community Health

**ARF and RHD**  
Acute Rheumatic Fever  
Rheumatic Heart Disease

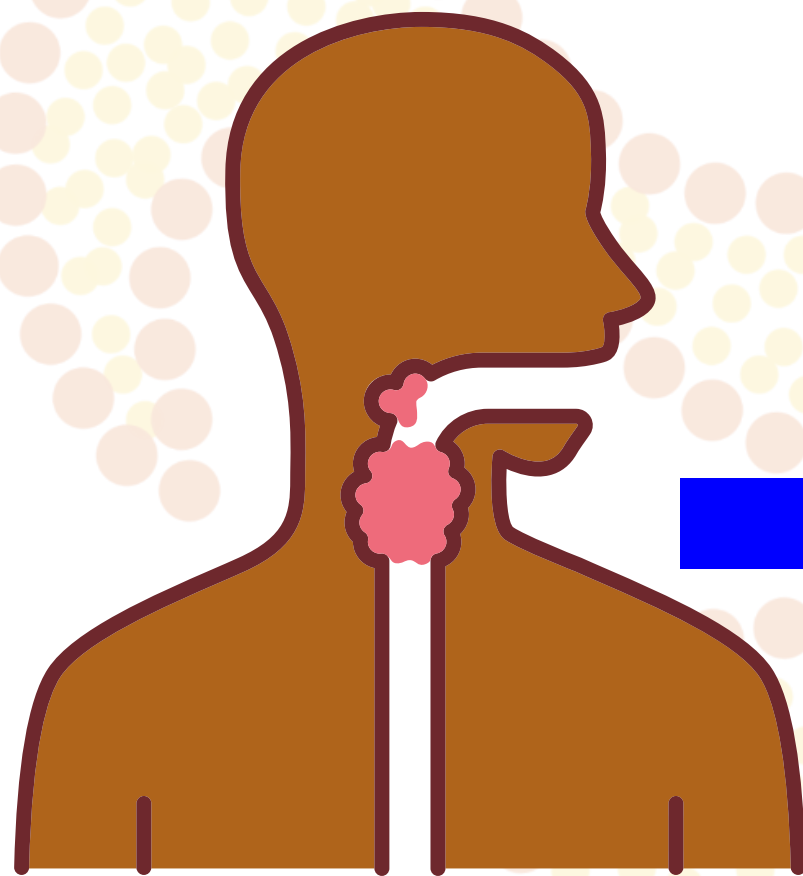


# Cause of ARF/RHD cont.

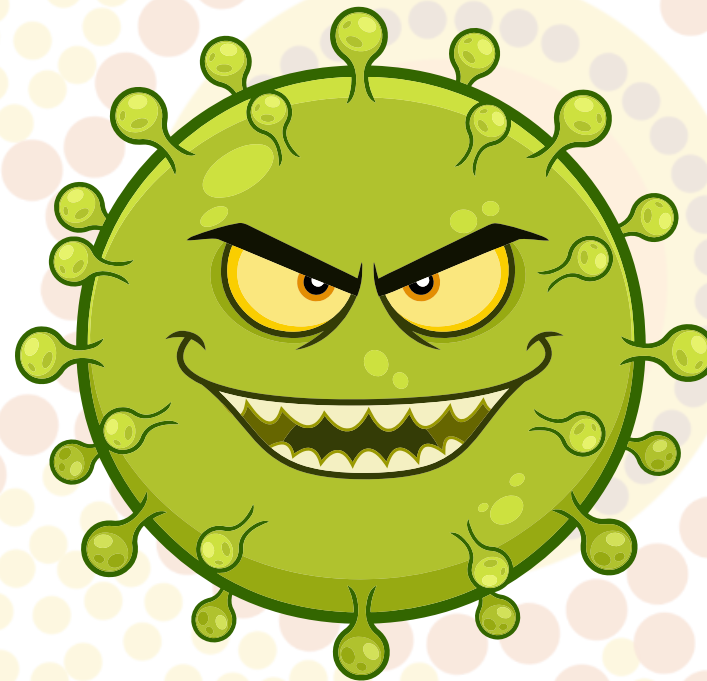


**Strep A  
(streptococcus A)  
under microscope**

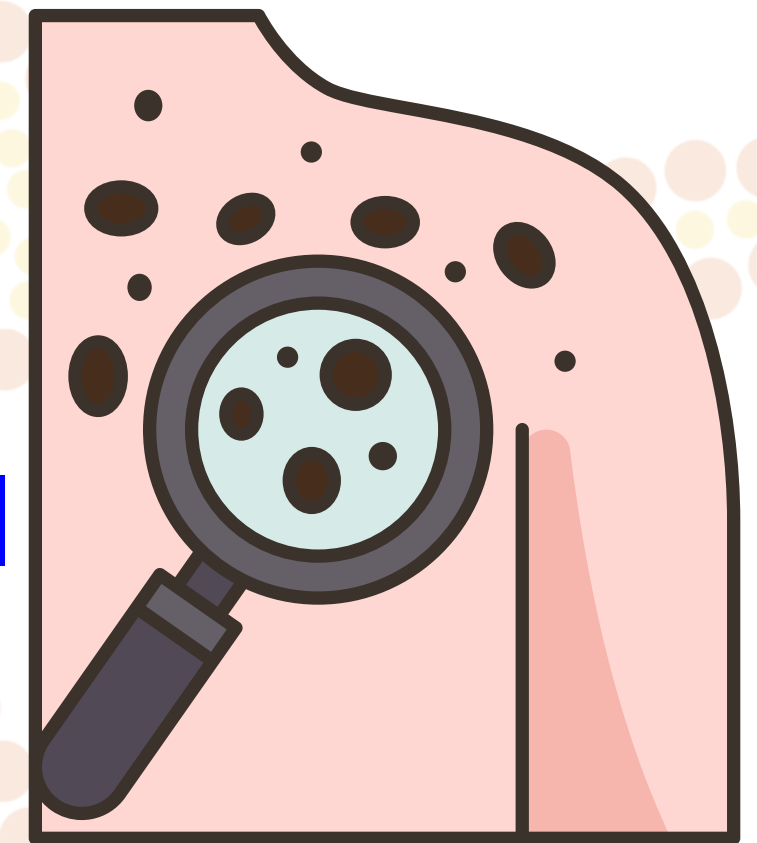
# Where does it come from?



**Throat**



**Strep A (streptococcus A)**



**Skin**



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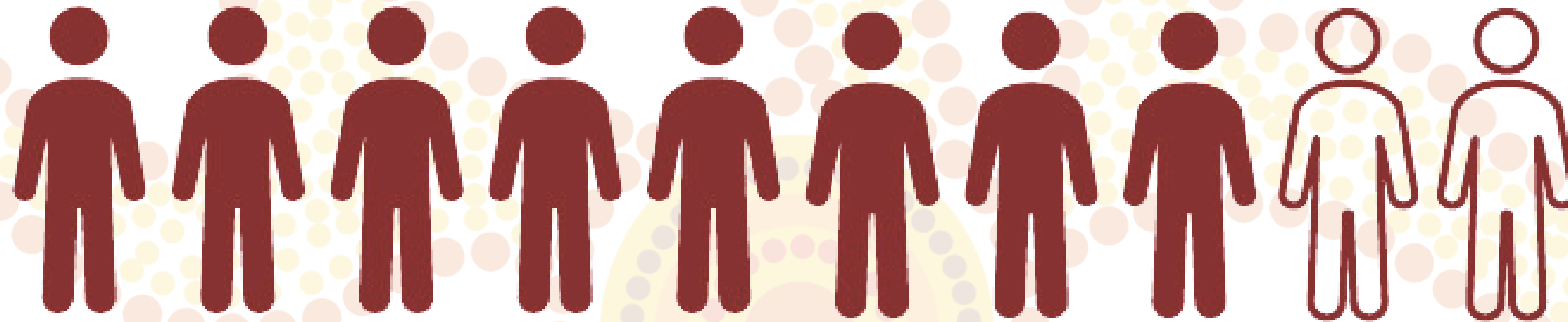


**ARF and RHD**  
Acute Rheumatic Fever  
Rheumatic Heart Disease





# ARF and RHD: 2018-2022



78% (or almost 8 out of 10) of First Nations  
Australians diagnosed with RHD did  
not have previous ARF recorded



# RHD facts



Almost 8 out of 10 diagnosed  
are First Nations People



in 2022 79% were First Nations People having  
heart valve surgery



There are more than **10,300**  
**people** with ARF and RHD



19% of people had severe  
RHD as first diagnosis



# Signs & Symptoms

**Sore  
Throat**



**High  
Temperature**



**Skin  
Sores**



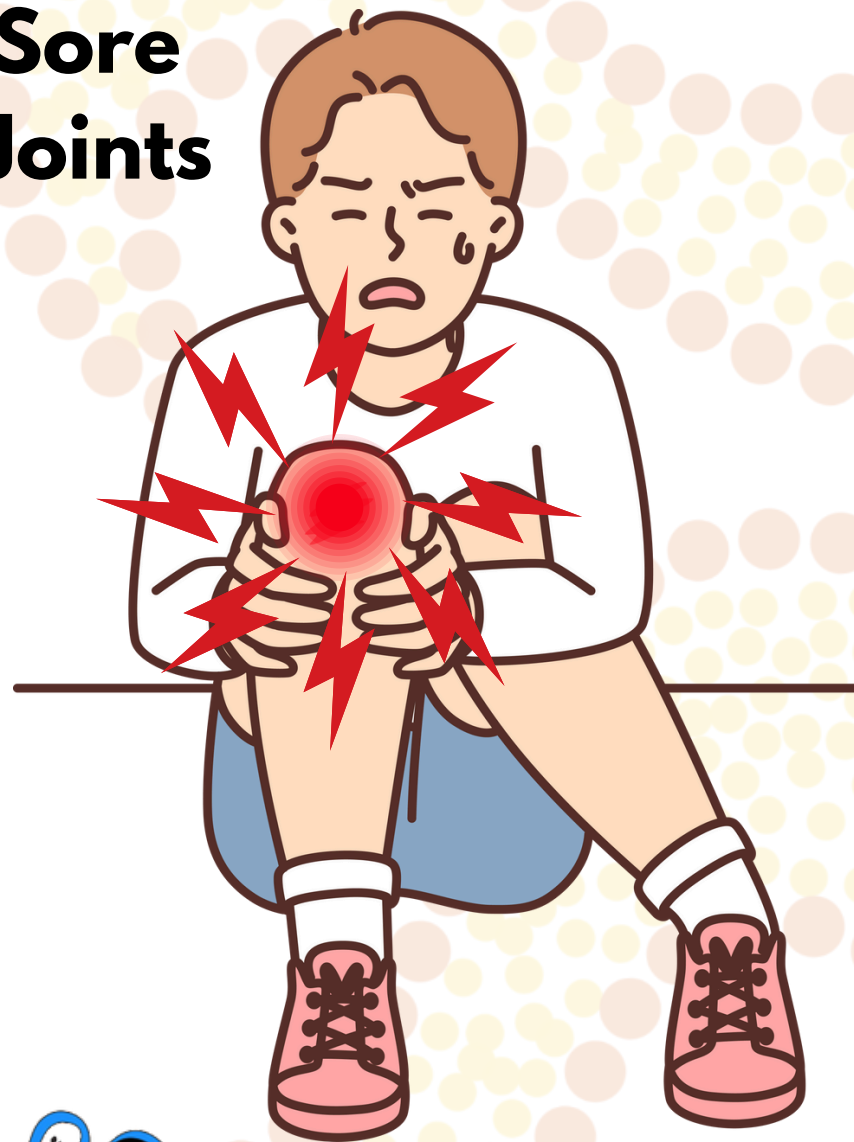
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**ARF and RHD**

Acute Rheumatic Fever  
Rheumatic Heart Disease

# Signs & Symptoms cont.

**Sore  
Joints**



**Skin  
rash**



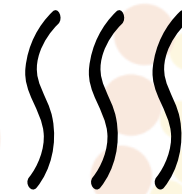
**Chest  
pain**





# Signs & Symptoms cont.

**Short  
of breath**



**Fatigue**

**Uncontrollable  
movements**



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# What is RHD?

## (Rheumatic Heart Disease)

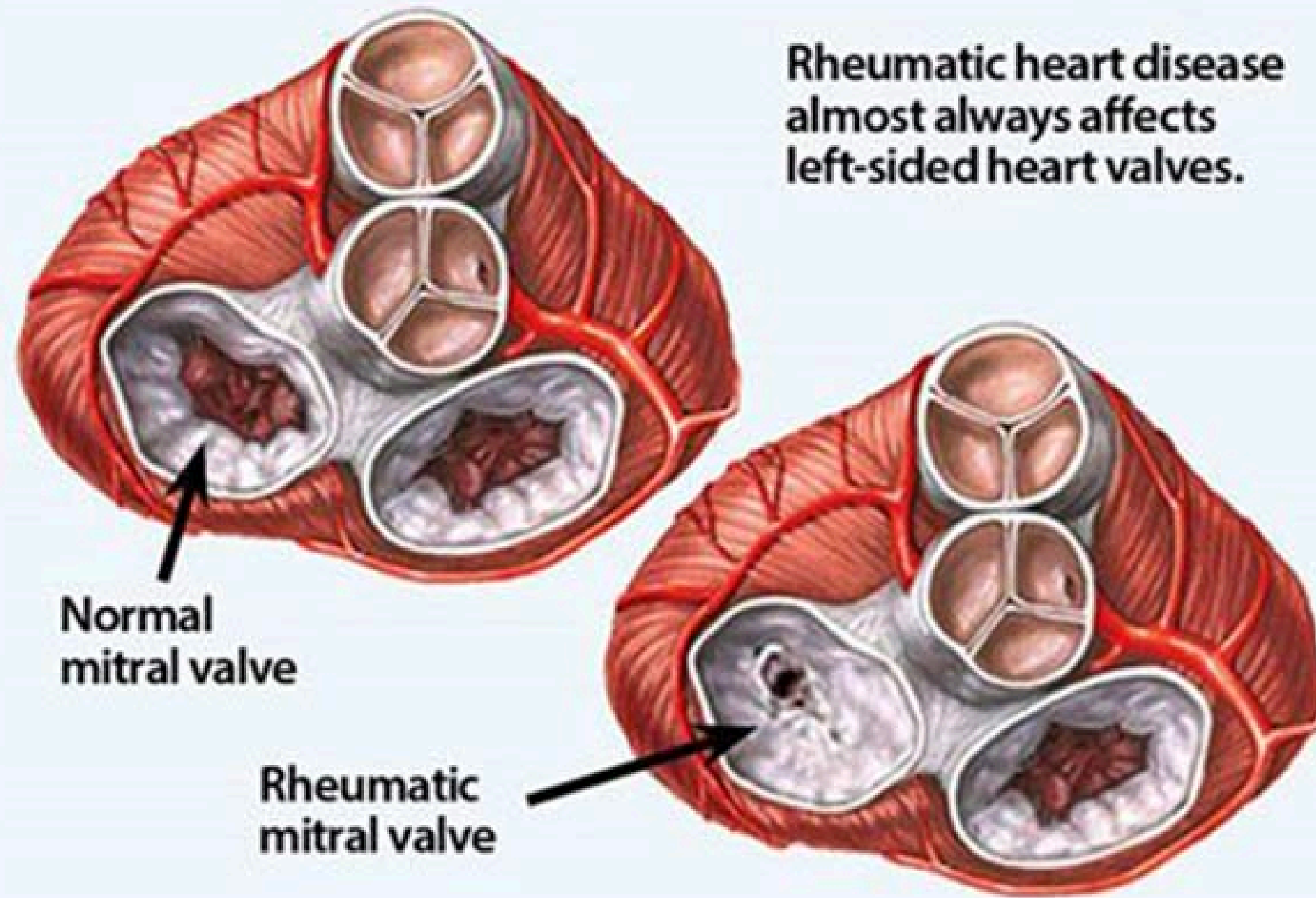




# What is RHD?

## Valve damage due to rheumatic heart disease

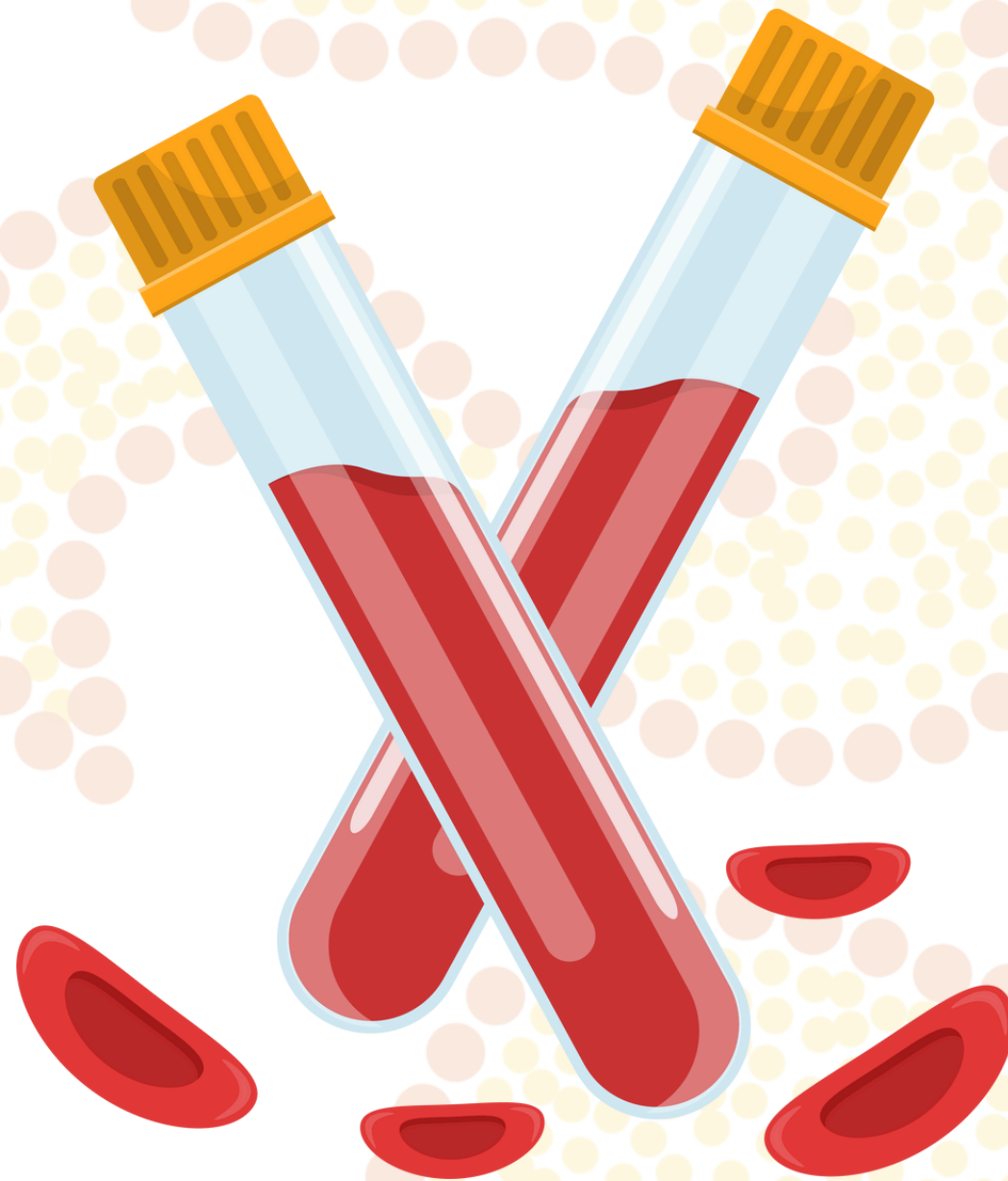
Rheumatic heart disease almost always affects left-sided heart valves.



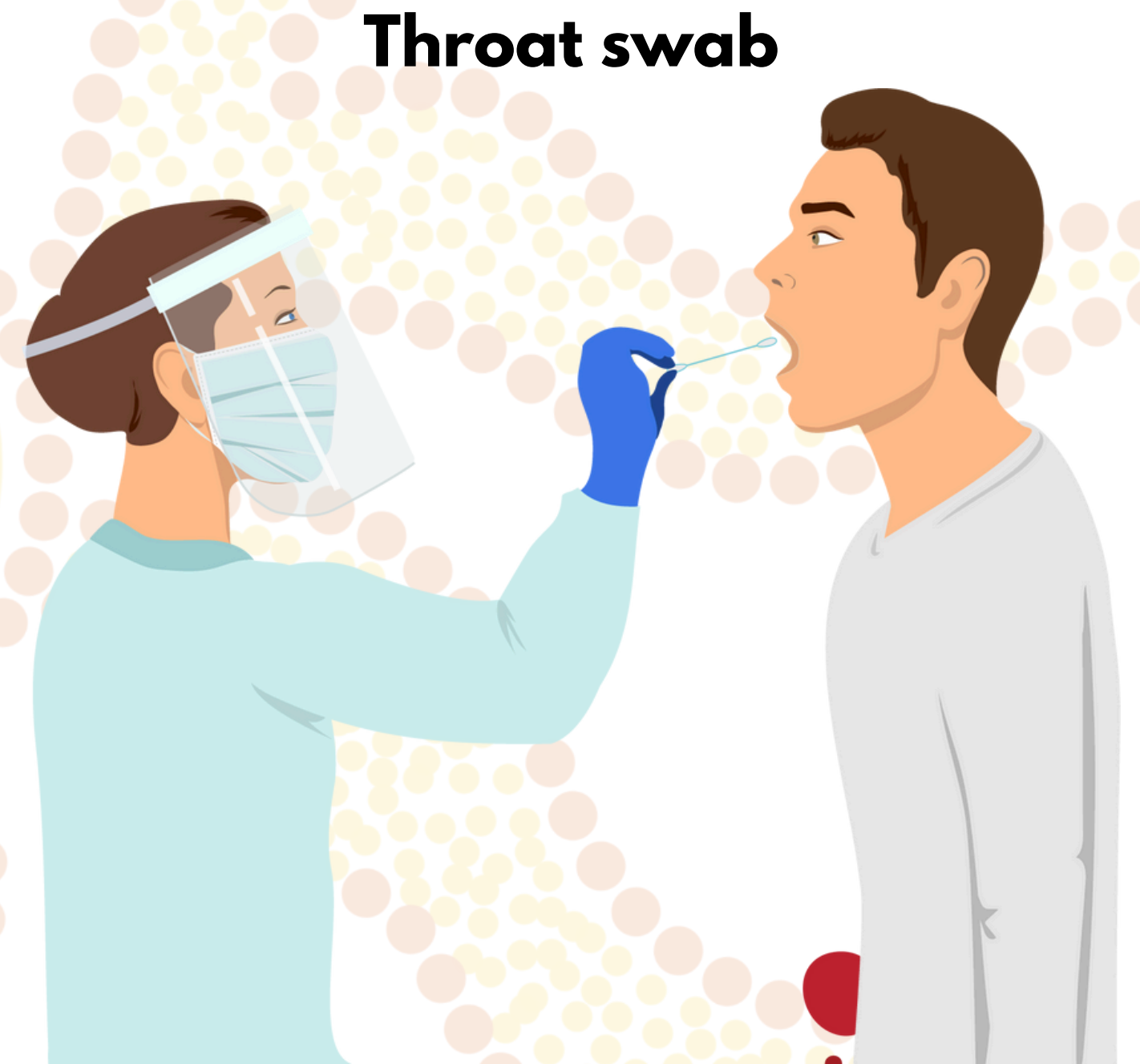
Normal mitral valve

Rheumatic mitral valve

# Diagnosis



**Blood test**

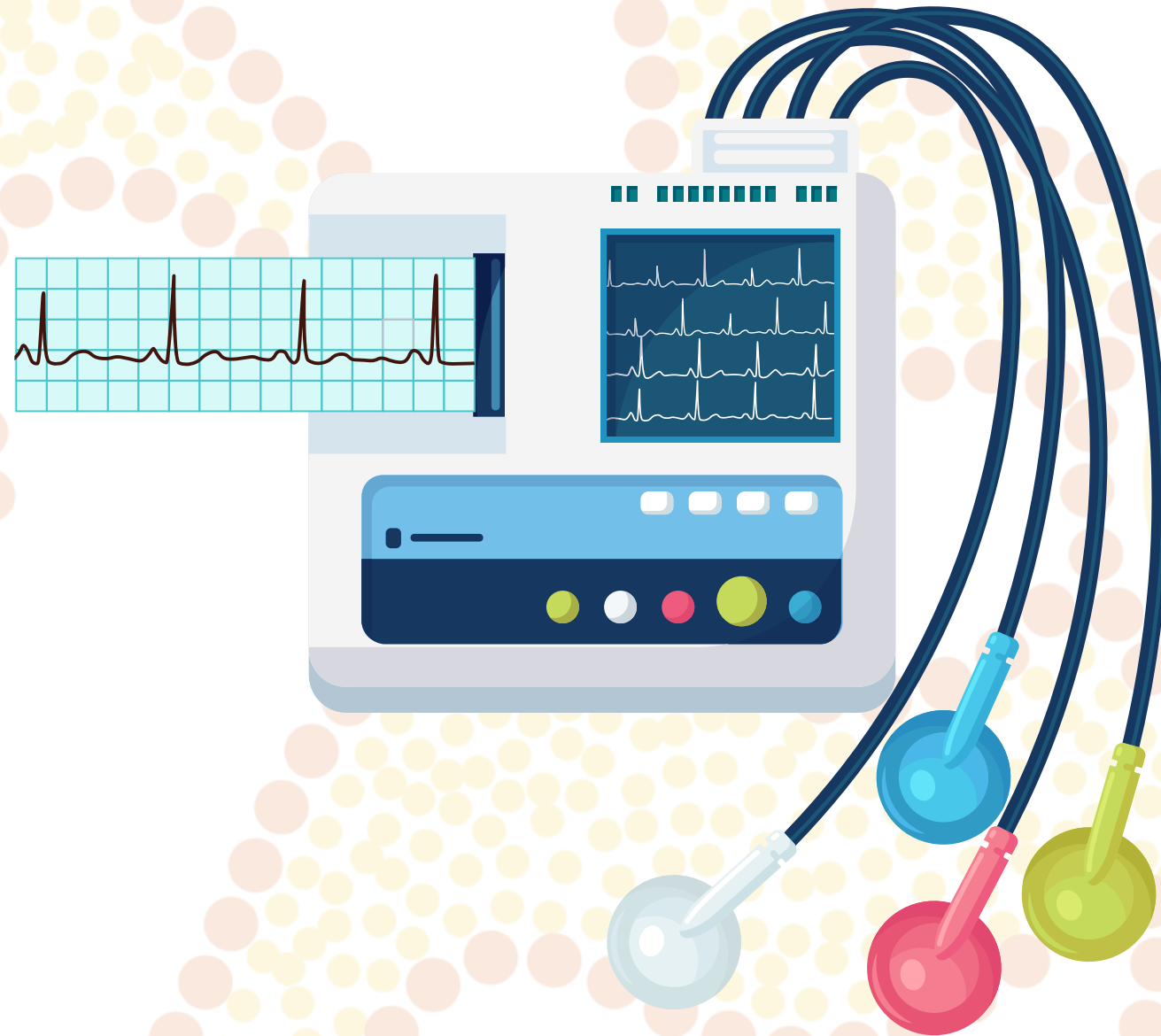


**Throat swab**

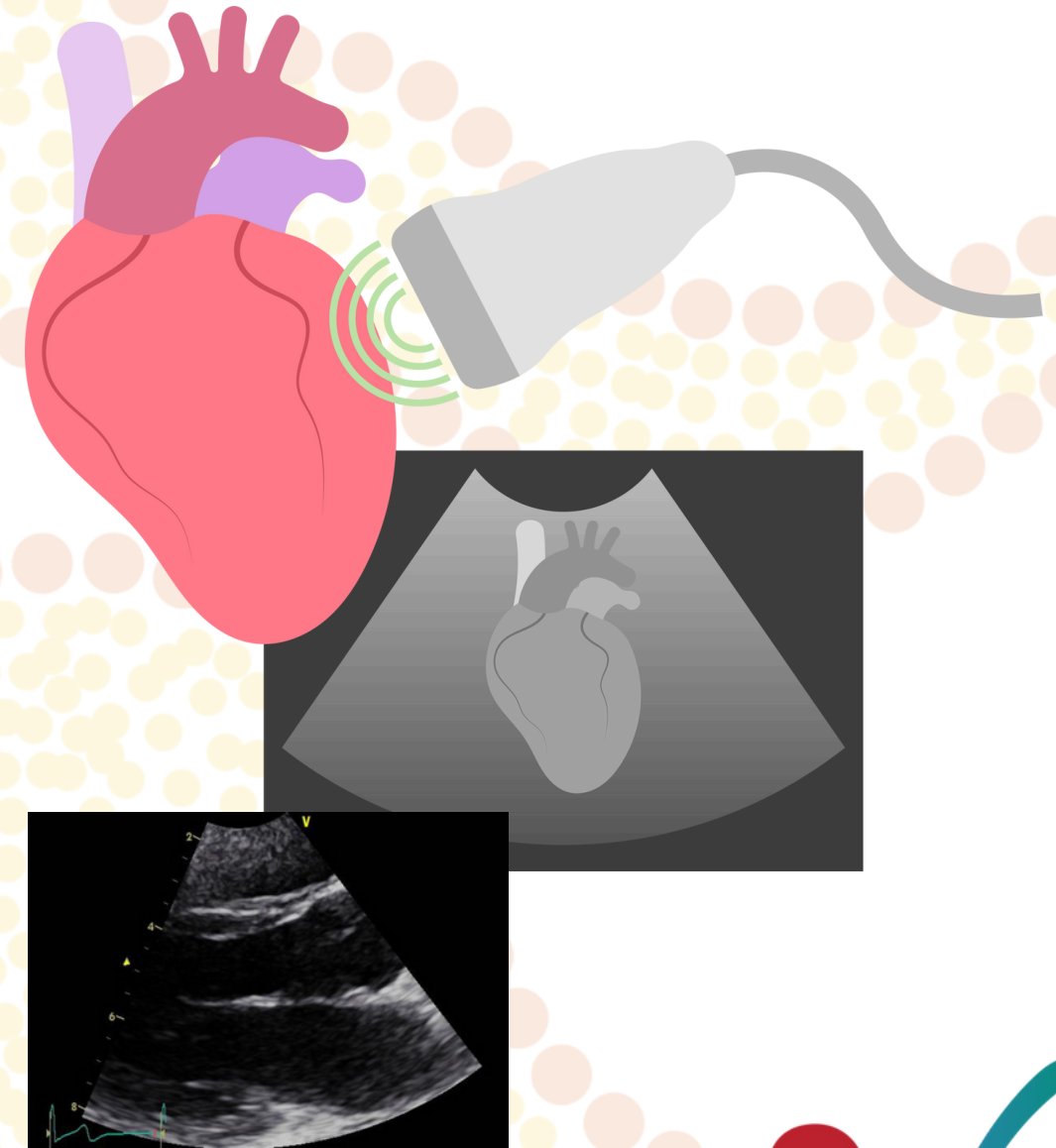


# Diagnosis

## Electrocardiogram



## Echocardiogram

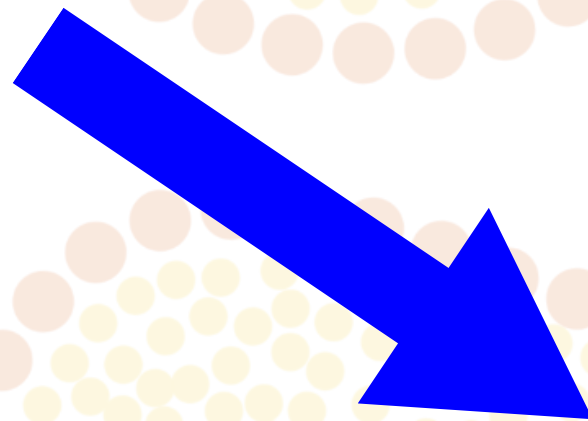




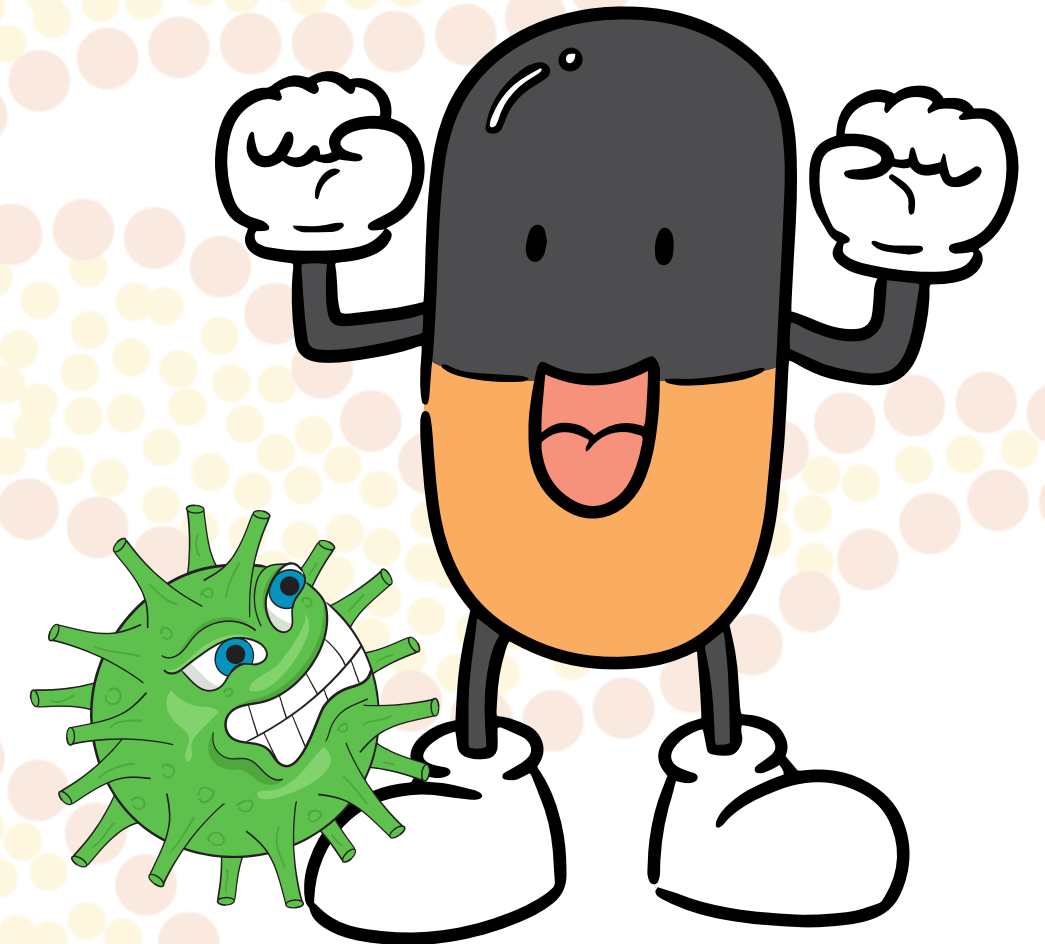
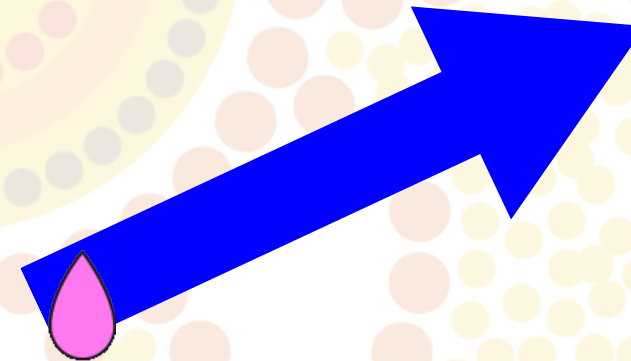
# The Good News....

Bicillin helps the body  
to fight the Strep A bug

**Antibiotic**



**Given by a regular  
injection**



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**ARF and RHD**

Acute Rheumatic Fever  
Rheumatic Heart Disease



# Any pain “helpers” out there....?

Reducing or blocking injection pain

**Shot blocker**



**Shot blocker**



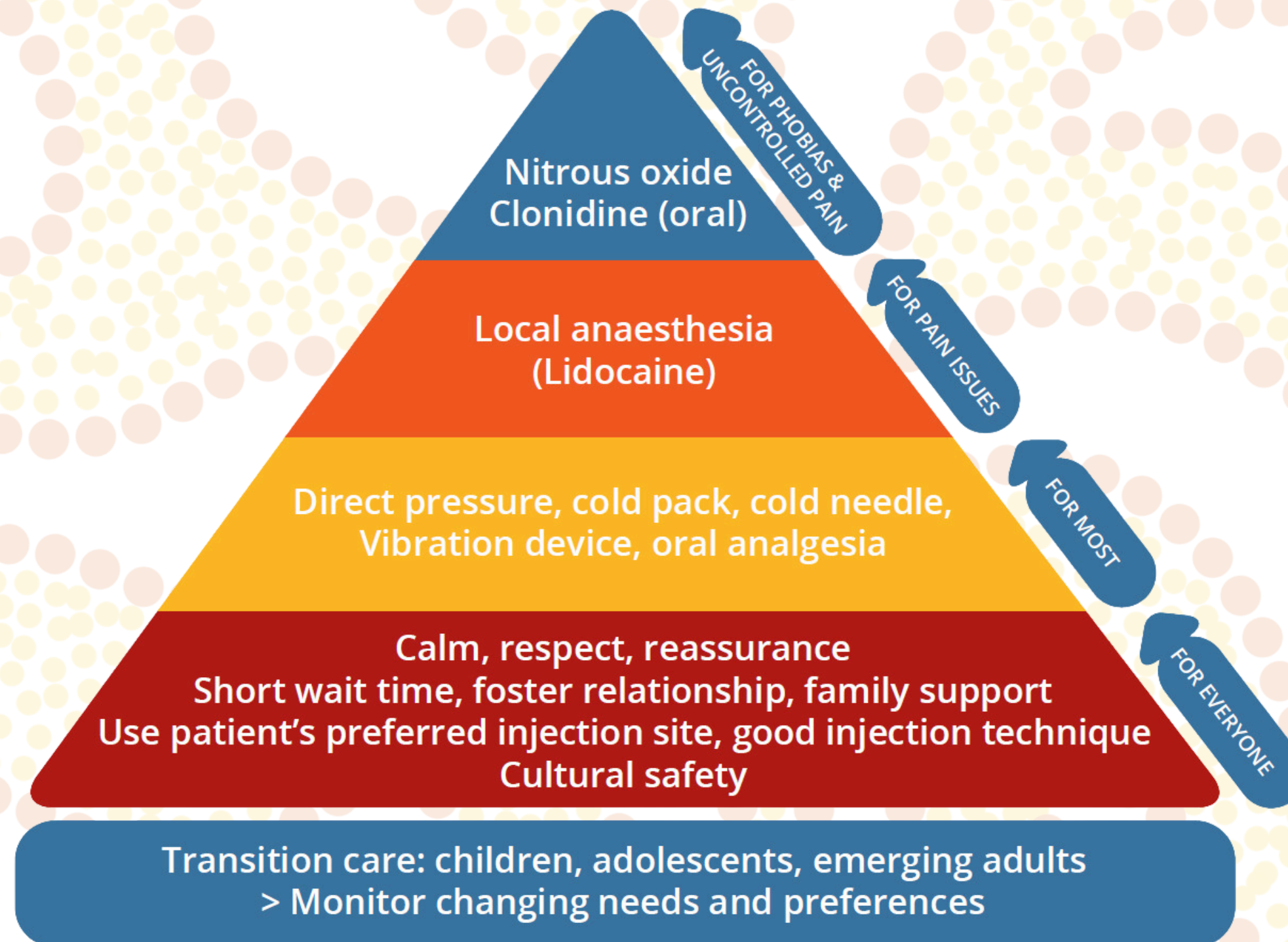
**Buzzy: cools and vibrates**



**ARF and RHD**  
Acute Rheumatic Fever  
Rheumatic Heart Disease



# What else can help with injection pain?







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