

## Cardiac T2\* Report

Report No: 00000001      Scan Date: 01 Jan 2023  
Birth Date: 01 Jan 2000      Analysis Date: 01 Jan 2023  
Patient Name: Patient  
Patient ID: Patient 123  
Referrer: Doctor  
MRI Centre: Hospital ABC

**Cardiac T2\* measurement: 2.3 ms**

**Cardiac R2\* measurement: 434.4 /s**

Authorised by: Service Centre Manager

The following may be used as a general guideline for interpreting cardiac T2\* and R2\* values:

<b>T2* &gt; 20 ms</b> <b>R2* &lt; 50 /s</b>	Cardiac iron deposition is not apparent
<b>T2* 10 - 20 ms</b> <b>R2* 50 - 100 /s</b>	Some cardiac iron deposition has occurred but there is little immediate risk of iron-induced cardiac decompensation
<b>T2* &lt; 10 ms</b> <b>R2* &gt; 100 /s</b>	Significantly increased risk of iron-induced cardiac decompensation

*Adapted from Wood J.C. Magnetic resonance imaging measurement of iron overload, Current Opinion in Hematology 2007 14:183-190*

**Cardiac T2\*** decreases as tissue iron concentration increases. Cardiac T2\* has an approximately inverse relationship with tissue iron concentration. Hence a change of 1 ms at low values of T2\* corresponds to a larger change in iron concentration than a change of 1 ms at high values of T2\*.

**Cardiac R2\*** increases as tissue iron concentration increases. Cardiac R2\* has an approximately linear relationship with tissue iron concentration. Hence a change of 1 /s corresponds to the same change in iron concentration at all values of R2\*.