

Let's protect tiny hearts...
from **Kawasaki Disease!**

societí
World Heart
Day 2023



societí wear red day



Fundraising poster pack

societí
The UK Foundation for Kawasaki Disease

Kawasaki Disease is the leading cause of acquired heart disease in children in the UK

...it's time we changed that



Your World Heart Day **wear red** fundraising poster pack

Set up your
JustGiving
fundraising page!

JustGiving[™]

If you'd like to set up a JustGiving fundraising page for your event, you can do that [here](#)!

Click to donate

Donate

Please consider a donation to Societi Foundation. It's quick and simple to make a donation via JustGiving.

Thank you for downloading our World Heart Day **WEAR RED** fundraising poster pack and for wanting to raise funds for Societi Foundation. We've created this poster pack to make it easy for you to download and print posters and leaflets for your wear red event. There's Kawasaki Disease awareness raising and information posters and leaflets included in the pack too, so you can easily raise awareness at your event and help to protect tiny hearts! Click the red bars below to go straight to the resource, or scroll through the pack to see all of our posters. If you're unable to print out the information in this pack but would still like to fundraise, please do [get in touch](#) and we can send you the resources you need. We'll always help where we can!

Please do let us know about your event. We'd love to promote what you're doing!

Wear Red Day poster

This wear red fundraising poster can be printed and filled in with the details of your event. If you're unable to print the poster yourself, please do [get in touch](#) and we can send you what you need. We'll always help where we can!

TEMPERS information leaflet

Our TEMPERS information leaflet includes a handy mnemonic to help you easily remember the symptoms of Kawasaki Disease. It also includes lots of other useful information too and is great for raising awareness either at events with your friends, family, at work or at school.

General awareness raising poster

Pin this poster in any busy place – from your place of work or school to your local Post Office – and help us let people know about Kawasaki Disease.

Clinician's information poster

This poster is designed to give clinician's some of the important facts about Kawasaki Disease. Why not pop some over to your local GP surgery or A&E department?

Kawasaki Disease Myths & Facts

Developed following many 'Kawasaki Conversations' with doctors and families who have experienced a Kawasaki Disease diagnosis, it's clear that there is out dated information in circulation about Kawasaki Disease which we're keen to help move on.

Let's protect tiny hearts...
from **Kawasaki Disease!**

societì
World Heart
Day 2023



We're having a **societì** Wear Red Day!
Join us and help protect tiny hearts
from **Kawasaki Disease!**

Location:.....

Date:..... Time:.....

Suggested
donation
£1



Kawasaki Disease is the leading cause of acquired heart disease in children in the UK – we want every parent and doctor to be able to recognise the symptoms and help protect tiny hearts!
If a child has persistent fever plus any two or more of these symptoms, please THINK Kawasaki Disease!

Know the symptoms!



Persistent fever



Cracked lips/'strawberry' tongue



Rash



Swollen fingers/toes



Bloodshot eyes



Swollen glands

Kawasaki Disease? Remember **TEMPERS** Children with **Kawasaki Disease** are characteristically irritable!

If a child has a
**PERSISTENT
FEVER**
and two or more
of these
symptoms
**THINK
KAWASAKI
DISEASE!**

Temperature -
**Persistent
high fever**

Erythema -
reddened hands
and feet with
swelling

Mouth -
dry, sore mouth,
cracked lips,
'strawberry tongue'

Pace -
Treat early to
reduce potential
heart damage

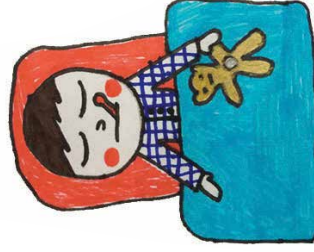
Eyes -
bloodshot,
non-sticky
conjunctivitis

Rash

Swollen glands
in neck, often just
one side

**5 days of ?
fever**

**THINK
Kawasaki
Disease**



Kawasaki Disease is the #1 cause of acquired heart disease in children in the UK...

...help us change this.

Kawasaki Disease - who does it affect?

It is mostly a childhood illness with over 75% of those affected being under 5 years old but it affects older children too.

Kawasaki Disease - what's the issue?

In the UK awareness of Kawasaki Disease is low. **Currently UK diagnosis and treatment times are too slow. 39% of babies (under one year) treated for Kawasaki Disease develop serious heart problems. 28% of diagnosed children experience heart complications. Overall, 19% of children treated develop serious heart damage. For a few children every year Kawasaki Disease is fatal ...help us change this.** We need everyone to know Kawasaki Disease as early diagnosis and treatment can prevent heart damage. (Data from BPSU Study, Kawasaki Disease UK & Ireland 2013-2015)

Kawasaki Disease - how common is it?

Hospital admissions in England for Kawasaki Disease have increased fourfold in the last ten years. It's more common than some types of meningitis. About 1 in 10,000 children are currently diagnosed each year and very poor levels of awareness mean many more children may be affected.

Kawasaki Disease - what can I do?

Know the symptoms and remember, symptoms may not appear all at once. Not all children present with all symptoms so - if a child has a **PERSISTENT FEVER** for **5 DAYS** or more with 2 or more of the symptoms overleaf **THINK Kawasaki Disease** and seek **URGENT** medical advice. **You** could save a child's heart.

Kawasaki Disease is serious! Awareness is urgent!

Today, most people haven't heard of Kawasaki Disease. That's one of the biggest challenges we face. Help us get it known because **Kawasaki Disease is increasingly common in the UK.** Too many children and young people today have lifetime heart damage because of Kawasaki Disease ...**help us change this.** For more information visit societi.org.uk

Kawasaki Disease is predominantly a childhood illness though it can affect people of any age. Its cause is unknown. **Kawasaki Disease is the leading cause of acquired heart disease in children.** Awareness of Kawasaki Disease is currently low and it is often mistaken for other common childhood illnesses, leading to misdiagnosis and delayed treatment. Children who go untreated or who are treated later face higher risks of developing complications including life long heart damage.

Early diagnosis and treatment are key to better outcomes

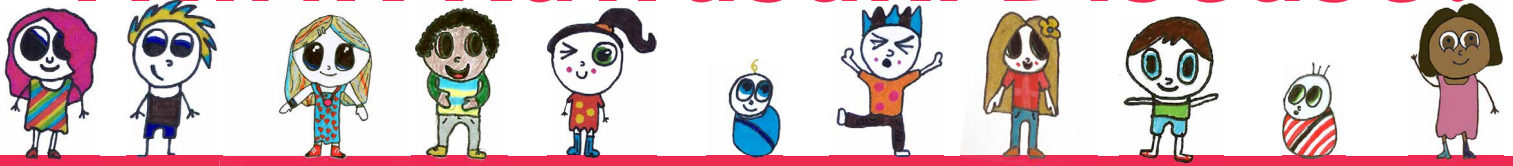
...for our children



societi
The UK Foundation for Kawasaki Disease
www.justgiving.com/societi

societi.org.uk

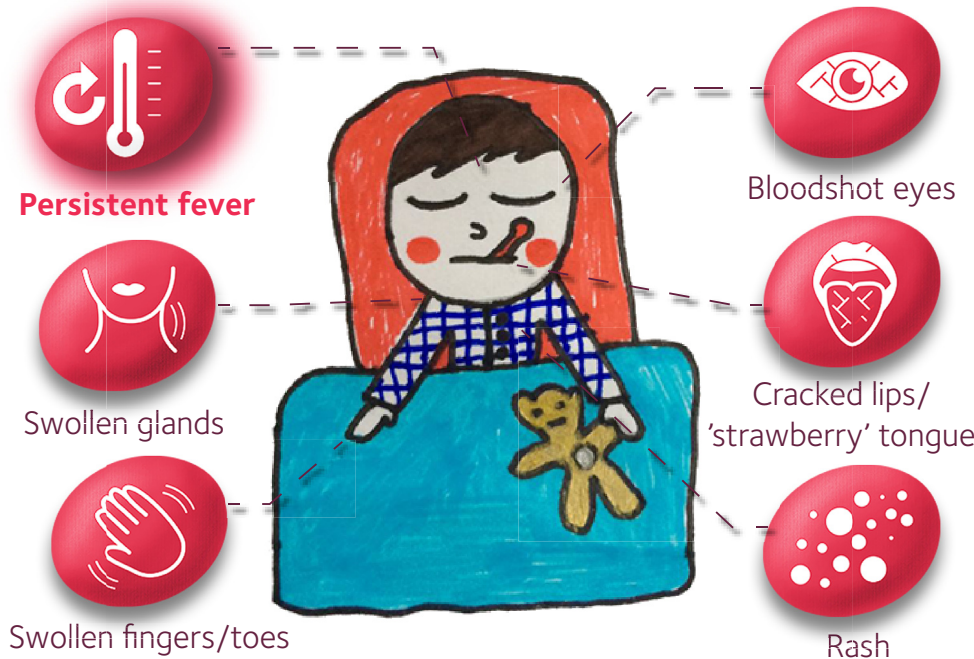
THINK Kawasaki Disease!



Kawasaki Disease is the leading cause of acquired heart disease in children in the UK. It's time we changed that...

...Together we will

Kawasaki Disease Symptoms:



If a child has a **persistent high fever** for 5 days or more, with TWO or more of these symptoms please **THINK Kawasaki Disease**

Kawasaki Disease can be present with **some or all** these symptoms

Kawasaki Disease is **increasingly common** in the UK

Please **EXPECT** to see it, be **READY** to treat it!

EARLY TREATMENT IS KEY

PLEASE DON'T DELAY! Children diagnosed and treated in **less than 5 days** from onset of fever have a **much reduced risk** of life long heart damage

BABIES UNDER 1 YEAR

can show **fewest symptoms** but have the **highest risk** of serious heart damage

Kawasaki Disease is mostly a childhood illness and there's no known cause. It's **the leading cause of acquired heart disease in UK children**.

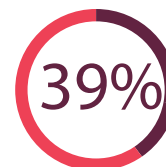
It's **often mistaken** for other common childhood illnesses, leading to delayed treatment. Children who are untreated or who are treated later face a much higher risk of developing serious complications, including life-long heart damage.

Babies under one year are at greatest risk of serious heart damage. **Early diagnosis and treatment is critical.**

Current UK & Ireland Outcomes for Kawasaki Disease



The current average diagnosis time for Kawasaki Disease is 7.8 days
This is too slow!



39% of babies with Kawasaki Disease develop coronary artery aneurysms
This is too high!



19% of children overall develop coronary artery aneurysms
This is too high!



28% of children overall have some heart damage
This is too high!

TOGETHER WE CAN CHANGE THIS!

Data from Tulloh et al, Kawasaki Disease: a prospective population survey UK & Ireland 2013-15

THINK Kawasaki Disease...



...for our children

**Kawasaki Disease is the leading cause of acquired heart disease in UK children...
...faster diagnosis and treatment can change that!**

Symptoms

Remember **TEMPERS**

Children with **Kawasaki Disease** are characteristically irritable!

If a child has a **PERSISTENT FEVER** & two or more of these symptoms **THINK KAWASAKI DISEASE!**



T Temperature - **Persistent high fever**



E Erythema - reddened hands and feet with swelling



M Mouth - dry, sore mouth, cracked lips, 'strawberry tongue'



P Pace - **Treat early** to reduce potential heart damage



E Eyes - bloodshot, non-sticky conjunctivitis



R Rash



S Swollen glands in neck, often just one side

Case History

Case history is important in **Kawasaki Disease** - symptoms can appear over time. Not all symptoms appear in all children



5 days of fever?

THINK Kawasaki Disease



Acute **Kawasaki Disease** is always an emergency!

Differential Diagnosis



When ruling out the many other causes of fever in children...

~~Virus?~~

~~Scarlet Fever?~~

~~Meningitis?~~

~~Tonsillitis?~~

Please...THINK Kawasaki Disease

~~Slapped Cheek?~~

~~Strep Throat?~~

~~Measles?~~

Persistent Fever



Kawasaki Disease should always be considered in any child with unexplained persistent fever

Babies under 1

Babies under 1 may have fewest symptoms but **39% develop coronary artery aneurysms**



Increasingly Common



Hospital admissions are rising: doubling every 10 years globally

EXPECT to see it, **BE READY** to treat it

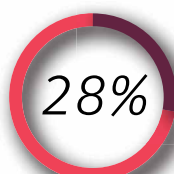
Numbers to Remember*

39% of treated infants develop coronary artery aneurysms

19% of treated children overall develop coronary artery aneurysms

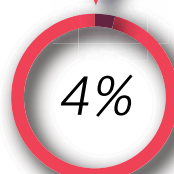
#1 cause of acquired heart disease in UK children

Heart Damage*



Where we are today of treated children with heart damage

This is too high!



Where we need to be (or less) of treated children with heart damage

Treatment Time*

5 days of fever?



Refer **URGENTLY** for **treatment within 5 days** from onset of fever

BPSU study findings show children treated early had a lower risk of lifetime heart damage than children treated later.

EARLY TREATMENT IS KEY to reduce risk of heart damage
...PLEASE DONT DELAY!



*BPSU: Kawasaki Disease, a prospective population survey, UK and Ireland 2013-2015; R Tulloh et al

Think you know Kawasaki Disease?

Here are some common clinical myths and the facts behind them!

This "Myths and Facts" summary has been prepared for clinicians with input from Professor Robert Tulloh, internationally recognised expert in Kawasaki Disease. These myths hamper care and delay diagnosis – and so adversely affect outcomes for children. Please contact us if you know of other myths and we'll help debunk those too!

Symptoms & Treatment

Myth: A characteristic symptom of Kawasaki Disease essential for diagnosis is peeling of fingers/ soles of feet

Fact: If skin peeling occurs – and it only appears in some patients – this will only occur after 10–21 days. **Never** dismiss a case on the basis of skin peeling being absent

Myth: There is a treatment window for IVIG of 10 days

Fact: There is no "window" or cut off point for IVIG. If clinical benefits are possible and inflammation is ongoing (fever, elevated CRP) – TREAT!

And **do not delay** IVIG assuming a 10 day window for effective treatment. Current treatment times are too slow. Aim to treat at 5 days (ASAP) after fever onset – early treatment is key to reduce risk of heart damage!

Myth: Kawasaki Disease has no characteristic symptoms

Fact: The strongest defining symptom which should always trigger suspicion of Kawasaki Disease is a persistent, high unremitting fever for 5 days

Myth: IVIG reduces heart damage from 25% to 5%

Fact: **19%** of all children develop permanent damage and **39%** infants develop coronary artery aneurysms despite IVIG – linked to delayed treatment. Early treatment is critical!

Heart Damage

Myth: Kawasaki Disease rarely causes heart damage

Fact: In the UK, 28% of affected children have heart damage, 19% have lasting coronary artery aneurysms. 39% of infants develop coronary artery aneurysms. Late treatment is linked to poorer outcomes

Who & How Many?

Myth: Child is too young / too old for Kawasaki Disease

Fact: You **will** see Kawasaki Disease in very young and older children. It can be most severe in infants (under 1yr) and c.2.5% of those affected are older than 5 years.

Myth: Kawasaki Disease is very rare, you'll never see it

Fact: Kawasaki Disease is **increasingly common**. Cases are doubling globally every 10 years. In England, hospital admissions for Kawasaki Disease increased 'fourfold' in the last decade. It's more common than bacterial meningitis and measles. Please EXPECT to see it and be READY to treat it

Diagnosis

Myth: Echocardiograms are a useful way to confirm a Kawasaki Disease diagnosis

Fact: Echo is very useful to confirm heart damage but Kawasaki Disease if treated early, does not always lead to heart damage. Echo can help diagnose an atypical case. **Never delay treatment** awaiting access to an echo if Kawasaki Disease is suspected

Myth: Persistent fever plus all 5 symptoms must all be present to confirm a diagnosis of Kawasaki Disease

Fact: **47% of UK/Ireland cases are incomplete** i.e. do not have all symptoms. Kawasaki Disease can be diagnosed with fewer symptoms – **not all patients exhibit all symptoms** and symptoms can appear in series. If a child presents with persistent fever and 2 or more Kawasaki Disease symptoms, always THINK Kawasaki Disease

Impacts

Myth: The only lasting damage from Kawasaki Disease is to the heart

Fact: Kawasaki Disease is a systemic disease and effects can be wide ranging. It can affect hearing, sight, kidneys, joints and cause hydrops of the gallbladder. It can also cause behavioural issues. See Societi Long Term Effects leaflet*

Long – Term Care

Myth: After coronary artery aneurysms have 'resolved', patients can be fully discharged from care

Fact: All patients with heart damage which persist beyond the acute phase (even if it 'resolves' later) require **lifelong specialist care** and are at increased risk of major cardiac events (see NHSI PSA 5/2016*)

Myth: There are no known future health risks for patients

Fact: Patients with lasting cardiac damage are known to be at **higher risk of artery stenosis** and calcification. Lifetime specialist care is essential. See Lifetime cardiac management guidance for clinical follow up regime

Myth: A past patient history of Kawasaki Disease is an irrelevant clinical consideration later in life

Fact: **Adverse cardiac events** with atypical presentation can occur in patients with a past history of Kawasaki Disease and this history should always inform clinical care – see NHSI Patient Safety Alert May 2016*

Kawasaki Disease? Remember **TEMPERS** Children with **Kawasaki Disease** are characteristically irritable!

If a child has a
PERSISTENT
FEVER
and two or more
of these
symptoms
THINK
KAWASAKI
DISEASE!



5 days of ?
fever

THINK
Kawasaki
Disease

