Scleroderma and your feet

Justin Bradley – Podiatrist and Director

Podiatrist and High Risk Foot Clinic Coordinator (MMC) Monash Health



Todays session

How Scleroderma affects your feet

What to look for and changes you might notice in your feet

Looking after your feet

- Footcare
- Shoes

Where to find help

Questions

8:59 **1** ... 4G

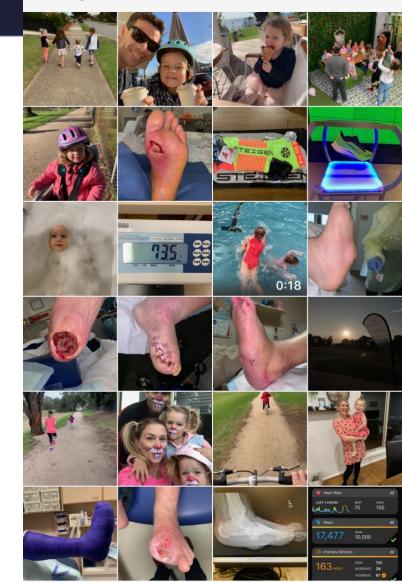
< Albums

Photos

Select

Photos

12 May - 18 Jul



What does a podiatrist do?

General foot assessment, education/advice and treatment of:

- Corns, callus and nails
- Footwear assessment

Biomechanical examination and treatment

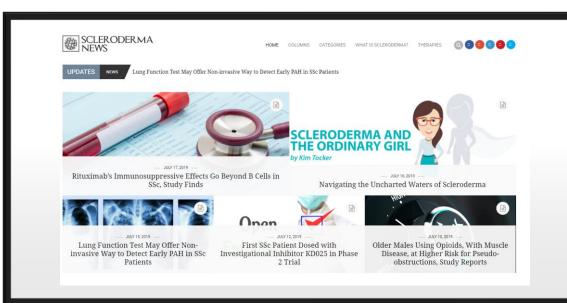
- Assessment of foot posture
- Assessment/treatment of sporting injuries. E.g. ankle sprains/strains
- Orthotic prescription

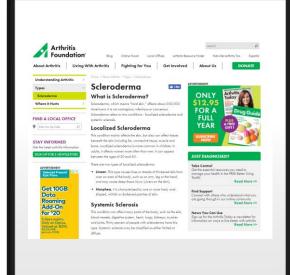
Ingrown toe nails

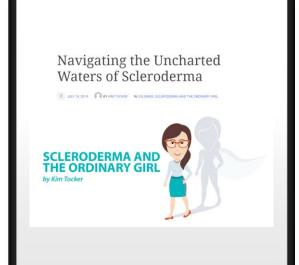
High risk foot care

- Foot screenings Neuro/Vascular assessment
- Education
- Diagnosis and treatment of foot wounds
 - Debridement
 - Dressing plan
 - Offloading











https://www.sruk.co.uk/scleroderma/scleroderma-and-your-body/hands-and-feet/



The Foot in Systemic Sclerosis (Systemic Scleroderma)

How can systemic sclerosis affect the feet?

Most people tend to give their feet little consideration until they develop problems. Systemic sclerosis (systemic scleroderma) can affect the feet in many ways including the circulation, nails and skin.

CIRCULATION & RAYNAUD'S PHENOMENON

We know that systemic sclerosis can be associated with problems with the blood vessels that can lead to poor circulation. In some circumstances, this can lead to difficulties such as breaks in the skin known as ulcers which can be painful and take a long time to heal.

Raynaud's is the abnormal response of blood vessels, commonly occurring in response to a change in temperature. Raynaud's is frequently seen in the fingers but is also common in the feet; however we notice it less as we can't see the colour changes because our feet are usually covered up!

Prolonged or very frequent Raynaud's spasms can damage areas of tissue leading to ulcers. These can be painful and prone to infection, therefore if you suspect you have an ulcer you

NAILS

The nails can be affected in several ways.

We know from looking after many patients
with systemic sclerosis that the bones at the
end of toes may alter their shape (be re-absorbed),
which in turn alters the shape of the nail. This may
lead to an increased incidence of ingrowing toes
nails, which can be both painful and prone to
infection.

SKIN

Many patients with systemic sclerosis experience patches of thickened skin, and these patches may be found on the feet, commonly on the dorsum (top) of the foot. You may also notice that your skin generally becomes dry and itchy.

Some people may experience calcinosis where bumps of calcium form under the skin and can be painful. Sometimes the calcium breaks through the surface of the skin and a soft chalky substance is released which often eases the discomfort. It is very important not to attempt to treat these yourself but to observe the calcinosis for signs of infection, which will require assessment by your doctor for antibiotics, and to seek medical advice if the calcinosis is a problem to you.

Some people with systemic sclerosis experience a feeling of 'walking on pebbles', particularly when

Home

About Us V

What is Scleroderma V

Scleroderma Australia produce a number of informative brochures which explain various aspect u

a wide range of issues and are available free to download.

Jnderstanding and anaging Scleroderma



Abou

What is Sclerode

Scleroderma, or systemic sclerosis (SSc), is 'et is intended to help people as one of the autoimmune rheumatic condierma, their families, and ad in Scleroderma. It

One of the hallmarks is the thickening or harder the questions most means in Greek (sclero=hard, derma=skin). However ut Scleroderma.

• it is a systemic disease, that is, it may affect many parts of

Eating Well

EATING WELL

Nutritional Needs in Scleroderma

By Lise Gloede, Registered Dietitian

The purpose of this booklet is to assist people with nutritional concerns relating to scleroderma and to also ensure people continue to enjoy food, sometimes with dietary modifications. Importantly, this booklet is intended as a guide and if you require more individualised dietary information, please seek the professional advice of a dietitian.

Advice for those with nutritional concerns relating to scleroderma.

The brochure includes sections on: food preparation, physical effects of scleroderma, calcium intake, and maintaining weight and avoiding malnutrition.

Download

More than skin dee

Scleroderma-More than skin deep



June 29 is World Scleroderma Da

World Scieroderma Day was crea to raise awareness of what it mea have this disabling disease. June a day to recognise the bravery of who live with this disease and * demand equal treatment and care for people with sclero

Download

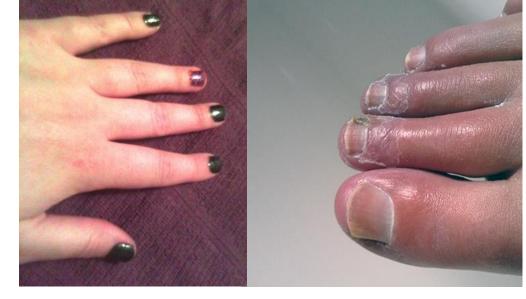
How does Scleroderma affect your feet?

Swelling/puffy toes (fingers too)

Painful joints

Raynaud's phenomena

Chilblains



https://sclerodermainfo.org/faq/symptoms-and-prognosis/









Skin and soft tissue problems

Skin thickening/Dry and scaly
Muscle and tendon thickening
Calcinosis – Calcium deposits in
the skin

Fat pad thickening – feeling of walking on pebbles

Ulcers and sores

Damage to small blood vessels



https://www.medindia.net/patientinfo/calcinosis.htm

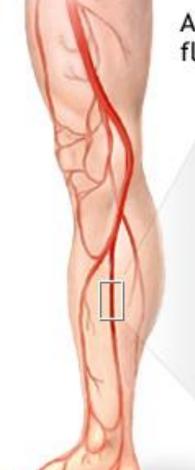
Mr Jay – 46 y/o Male

Medical problems:

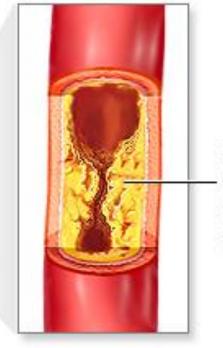
Limited Scleroderma

- -Raynaud's
- -Digital wounds/ulcers
- -Reflux
- -Calcinosis (hard calcium deposits in skin)
- Diabetes (Type1)

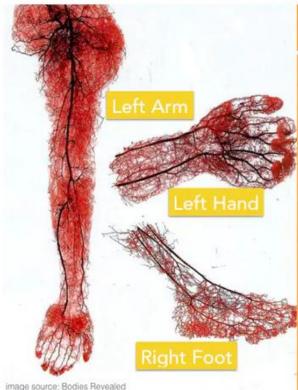




Arteries become narrowed and blood flow decreases in arteriosclerosis



Build up of fatty substances in the wall of the artery



Capillaries

When arteries reach cells they turn into really thin tubes called capillaries.

The really thin tubes that carry blood in this image are capillaries.

The walls of capillaries are very thin This helps them transfer water, oxygen, and carbon dioxide, between blood and cells.





Mr Jay – 46 y/o Male

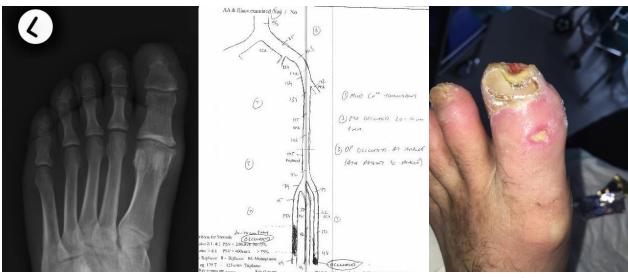
Medical problems:

Limited Scleroderma

- -Raynaud's
- -Digital wounds/ulcers
- -Reflux
- -Calcinosis (hard calcium deposits in skin)

Diabetes (Type1)

September 2016 - Current problem was his L 1st toe wound





'Treatment'

15 days in hospital

64 days of antibiotics through a drip

9 months of antibiotic tablets

Daily dressing changes

4 x-rays

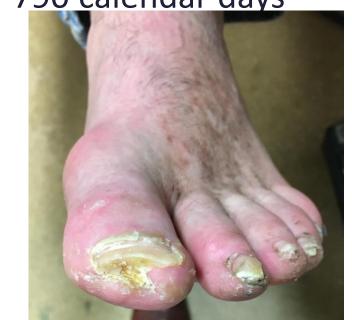
1 bone scan

3 angiograms

2 Illiprost infusions

Sep 29, 2016 and Nov 28, 2018:

2 years 1 months 30 days or 25 months 30 days or 112 weeks 6 days or 790 calendar days





How to look after your feet

Stay warm

Exercise

Toenail cutting

Use moisturiser regularly – Avoid between toes

Lightly use a foot file

Never use medicated corn pads

See your podiatrist regularly

Wear correct fitting footwear













Arteries become narrowed and blood flow decreases in arteriosclerosis



Build up of fatty substances in the wall of the artery



Capillaries

When arteries reach cells they turn into really thin tubes called capillaries.

The really thin tubes that carry blood in this image are capillaries.

The walls of capillaries are very thin. This helps them transfer water, oxygen, and carbon dioxide, between blood and cells.









Global Recommendations on Physical Activity for Health

18-64 years old

These guidelines are relevant to all healthy adults aged 18–64 years, unless specific medical conditions indicate to the contrary, irrespective of gender, race, ethnicity or income level. They also apply to individuals in this age range with chronic noncommunicable conditions not related to mobility such as hypertension or diabetes. These recommendations can be applied to adults with disabilities. However they may need to be adjusted for each individual based on their exercise capacity and specific health needs. Pregnant, postpartum women and persons with cardiac events may need to take extra precautions and seek medical advice before striving to achieve the recommended levels of physical activity for this age group.

Strong evidence demonstrates that compared to less active adult men and women, individuals who are more active:

- have lower rates of all-cause mortality, coronary heart disease, high blood pressure, stroke, type 2 diabetes, metabolic syndrome, colon and breast cancer, and depression:
- are likely to have less risk of a hip or vertebral fracture;
- · exhibit a higher level of cardiorespiratory and muscular fitness; and
- are more likely to achieve weight maintenance, have a healthier body mass and composition.

Recommendations:

In adults aged 18-64, physical activity includes leisure time physical activity, transportation (e.g. walking or cycling), occupational (i.e. work), household chores, play, games, sports or planned exercise, in the context of daily, family, and community activities.

The recommendations in order to improve cardiorespiratory and muscular fitness, bone health, reduce the risk of NCDs and depression are:

- Adults aged 18-64 should do at least 150 minutes of moderate-intensity aerobic physical activity throughout the week or do at least 75 minutes of vigorous-intensity aerobic physical activity throughout the week or an equivalent combination of moderate - and vigorous-intensity activity.
- 2. Aerobic activity should be performed in bouts of at least 10 minutes duration.
- 3. For additional health benefits, adults should increase their moderate-intensity aerobic physical activity to 300 minutes per week, or engage in 150 minutes of vigorous-intensity aerobic physical activity per week, or an equivalent combination of moderate and vigorous-intensity activity.
- Muscle-strengthening activities should be done involving major muscle groups on 2 or more days a week.

Inactive people should start with small amounts of physical activity and gradually increase duration, frequency and intensity over time. Inactive adults and those with disease limitations will have added health benefits when they become more active.

For further information see: http://www.who.int/dietphysicalactivity/pa/en/index.html or contact WHO on dietandhealth@who.int



How to look after your feet

Stay warm

Toenail cutting

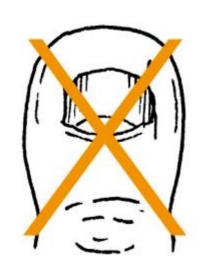
Use moisturiser regularly – Avoid between toes

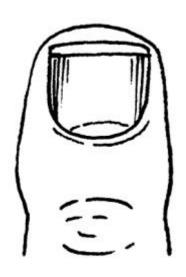
Lightly use a foot file

Never use medicated corn pads

See your podiatrist regularly

Wear correct fitting footwear





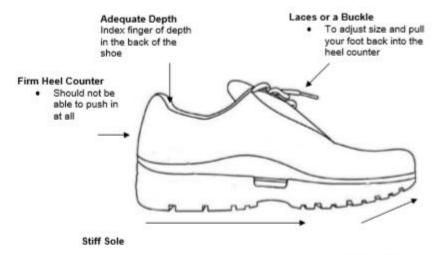
iwgdfguidelines.org







Guide to Supportive Footwear



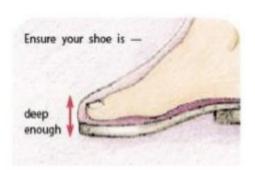
Rocker Sole

 Or flexible where toes bend



Make sure there is a thumb width between your longest toe and the end of the shoe.

Should be able to wiggle toes in the end of the shoe.



www.complexfootsolutions.com.au



WELCOME TO
COMPLEX FOOT SOLUTIONS



Where to find help

GP for general problems Enhanced Primary care Plan Podiatrist

- Make sure they know you have scleroderma and know how that effects your feet
- More frequent but less debridement/nail care
- Manage deformities
- Regular foot and footwear reviews
- If you have a wound...

Rheumatologist

Scleroderma clinic Monash Health Clayton

- Undiagnosed may be triaged into the general rheumatology clinic first
- Aim to see infected/painful ulcers or PAH or ILD as a priority
- Referrals through the GP should be sent to Monash Health intake addressed to Rheumatology – Eric Morand
- Fax: 9594 2273

Take home messages

Prevention is way better than cure Look after your skin and nails Stay healthy + exercise

JUSTIN BRADLEY

podiatrist

P. 0432 608 418 | F. (03) 8677 2494

E. info@complexfootsolutions.com.au

W. www.complexfootsolutions.com.au

