

# Joint Health, and how to prevent and manage Arthritis

SGT M PIHEMA

#### Scope

What is a joint ?

What makes up our bones ?

How should I care for my joints ?

What is Arthritis ?

How to prevent and manage Arthritis ?

**Dietary considerations ?** 

Questions and discussion





My experience with Arthritis





# What is a joint ?





#### Bone Composition and Structure

#### Diaphysis

**Epiphysis** 

**Articular Cartilage** 

Periosteum





#### Bone Composition and Structure

#### Periosteum

**Medullary cavity** 

#### Endosteum



### Different types of joints











### What makes up a joint ?





#### What is Arthritis?



## How to care for your joints

Weight loss

Good exercise habits

Hydration levels

Recovery







### Weight loss

Reduce pressure on joints

Ease pain

**Reduce inflammation** 

Reduce disease activity



#### Good exercise habits

Can help to delay and improve Arthritic symptoms

Minimum of 150min per week

Take time to warm up and cool down

Cardiovascular and Strength training both have benefits

Low impact options such as swimming and biking can reduce pain during exercise





### Hydration levels

**Reduces inflammation** 

Helps with dispersal of toxins

Reduces friction on articulating surfaces

#### Recovery

Static stretching post activity can help to maintain flexibility and range of motion of your joints

Heat can be used to help promote blood flow. It can also reduce joint pain and stiffness

Cold therapy can reduce inflammation and swelling of the joints





# How to prevent and manage Arthritis ?



### Dietary consideration

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Glucosamine

Turmeric

Calcium

Vitamin D

Omega 3



### What to do within Defence

Book a consult with you local DHC

- Orthotics
- Specialist shoes
- MRI
- Specialist

#### **Referral to Physio**

- Posture
- Gait
- imbalances

#### Referral to Rehab

- Strengthen
- ROM
- Low impact options



Questions and Discussion



### References

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