

# **JOINT PAIN: PATHOLOGY AND TREATMENT**

An overview of joint pain for community pharmacy teams.

DAWN CONNELLY

and relieved by rest



- 2 Morning stiffness that lasts longer than 30 minutes
- 3 Rapid worsening of symptoms
- 4 Hot, swollen joints
- 5 Systemic upset
- 6 History of trauma or cancer

- (2) Morning stiffness that lasts less than 30 minutes Gradual worsening of symptoms -(3)
- (4) No hot, swollen joints
- No fever or unexplained weight loss
- 6 No previous injury

Differential diagnosis: inflammatory arthritis (e.g. gout, rheumatoid arthritis), fibromyalgia, malignancy.



Infographic: alisdairmacdonald.co.uk

First-line drug treatment

Topical non-steroidal anti-inflammatory drug (NSAID) (e.g. diclofenac, ibuprofen, methylsalicylate [often effective, very safe some local reactions])

# STRENGTHENING AND FLEXIBILITY EXERISES



# KNEE

# b. Strengthening

Stand in front of a step of comfortable height. Step up with one leg leading, then repeat with the other leg. Repeat.



HANDS

### d. Strengthening

## Stand behind a chair Slowly move leg backwards. Keep your knee straight. Do not lean forwards. Return to starting position and repeat.





### f. Strengthening

Place palm of hand on a towel on a table, fingers apart. Pull fingers together by pressing down and bunching towel up between fingers. Relax and repeat.

Treatments that lack evidence: glucosamine or chondroitin products; acupuncture; rubefacients; hyaluronan injections.