

HALEON

PUTS A
HALT ON LIFE
ONGOING
YOUNG OR OLD
BODYACHES
INTERRUPTS SLEEP
MALAISE
INCREASINGLY
BAD POSTURE
WITHDRAWN FROM ACTIVITIES
RESTRICTS
MOBILITY
AFFECTS SOCIAL LIFE
CHRONIC
ANGRY AND
IRRITABLE
FULL BODY ACHING
SORENESS
EXHAUSTING
STRAINED
FEELING WEAK
PERSISTENT
DISCOMFORT

**Patient
case study.**
Musculoskeletal pain

#ListenToPain

Brought to you by the makers of



Start here >

Presentation



Horizontal lines for notes or text input.

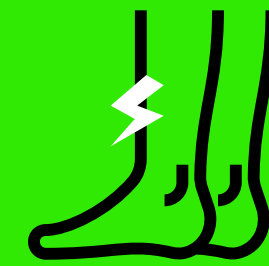
Andrew

52 years.

Andrew hurt his lower back while playing squash.



The initial severe pain is better, however, he still has a dull ache which is a cause of irritation.



He complains of a shooting pain down his legs when he bends down to tie his shoelaces.

Presentation



History



Clinical examination



Differential diagnosis



Treatment plan



Clinical evidence



Follow-up & summary





Past history and family history:

Hypertensive
for 3 years and further investigations revealed dyslipidemia.

At present, takes lisinopril and atorvastatin tablets for hypertension and dyslipidemia, respectively.

No family history of any medical illness.
He requests medication.

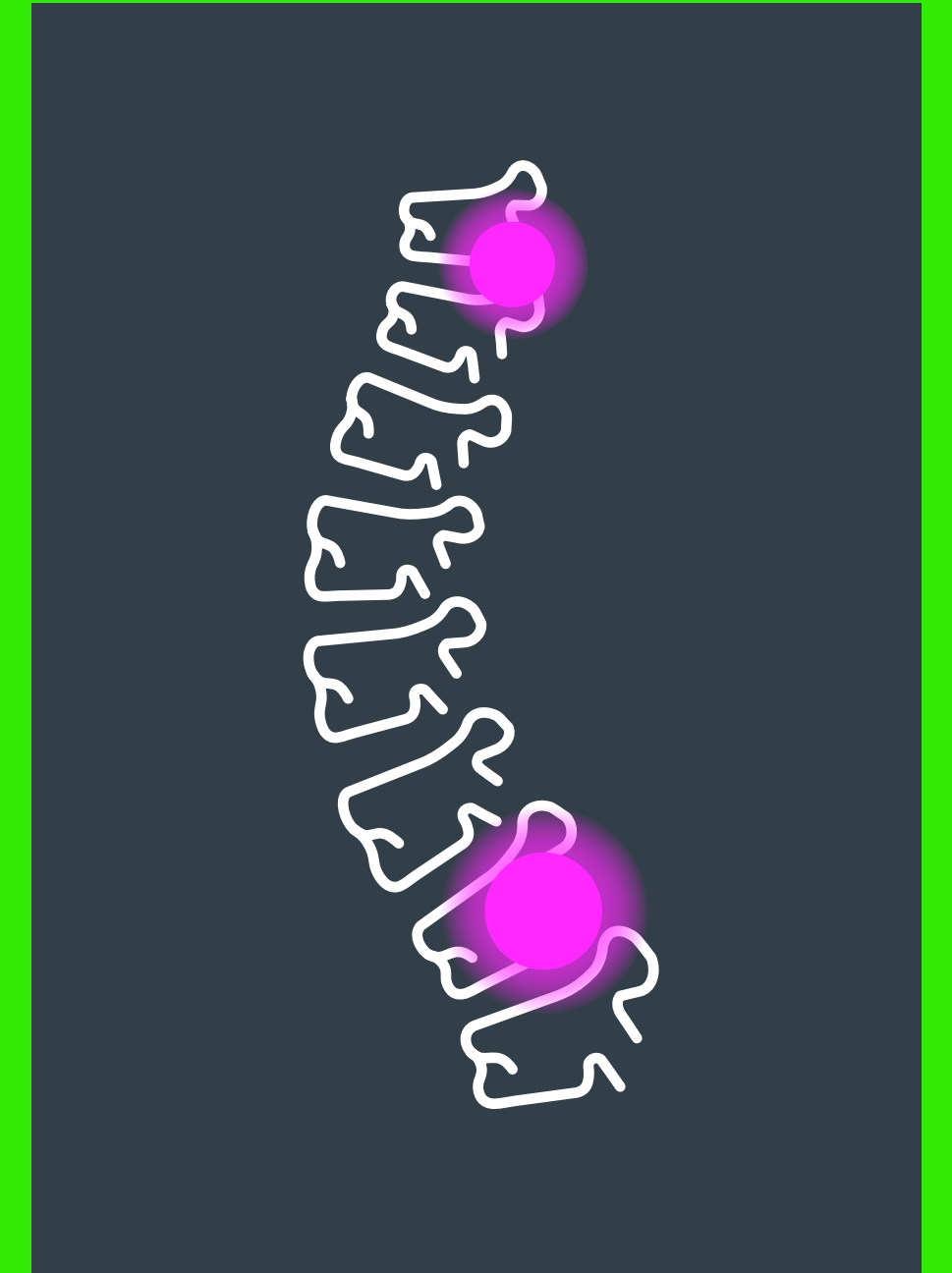
What do you advise?





Clinical examination

- > General appearance:
Appeared uneasy and tense.
- > Well-nourished.
- > BP: 134/88mmHg, PR: 78bpm.
- > BMI: 26.0kg/m².
- > Lungs/CVS/Abdomen: NAD.
- > CNS: NAD.
- > Gait: Stable.
- > Increase in pain and tenderness in lower back on movement and bending, limited range of spinal motion, negative straight leg raise test, no paresthesia, normal reflexes.



BMI, body mass index; BP, blood pressure; CNS, central nervous system; CRP, C-reactive protein; CVS, cardiovascular system; ESR, erythrocyte sedimentation rate; NAD, nothing abnormal detected; PR, pulse rate.





What could be the possible cause for stiffness and pain in Andrew?

Click an option to select your answer.

- ACUTE MUSCULO-SKELETAL INJURY
- FRACTURE
- INFECTION
- CAUDA EQUINA SYNDROME





What could be the possible cause for stiffness and pain in Andrew?

Click an option to select your answer.

ACUTE MUSCULO-SKELETAL INJURY

× FRACTURE

INFECTION

CAUDA EQUINA SYNDROME





What could be the possible cause for stiffness and pain in Andrew?

Click an option to select your answer.

ACUTE MUSCULO-SKELETAL INJURY

FRACTURE

× INFECTION

CAUDA EQUINA SYNDROME



Clinical examination



What could be the possible cause for stiffness and pain in Andrew?

Click an option to select your answer.

ACUTE MUSCULO-SKELETAL INJURY

FRACTURE

INFECTION

× CAUDA EQUINA SYNDROME

Presentation



History



Clinical examination



Differential diagnosis



Treatment plan



Clinical evidence



Follow-up & summary





What could be the possible cause for stiffness and pain in Andrew?

Click an option to select your answer.

- ✓ ACUTE MUSCULO-SKELETAL INJURY
- FRACTURE
- INFECTION
- CAUDA EQUINA SYNDROME



Clinical examination

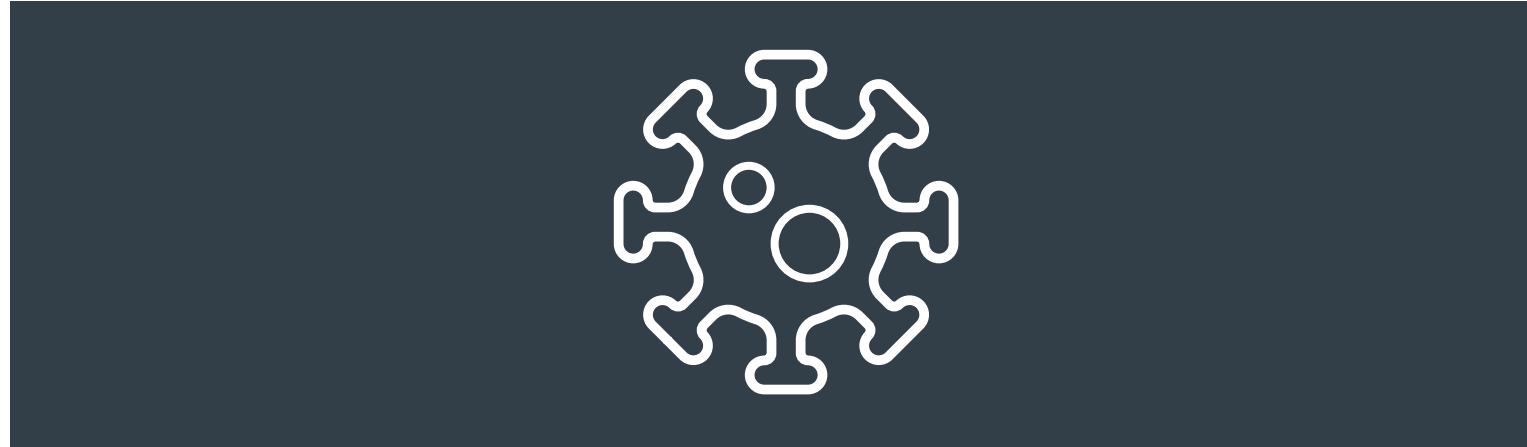


What are the red flags that should be looked out for in a patient like Andrew?

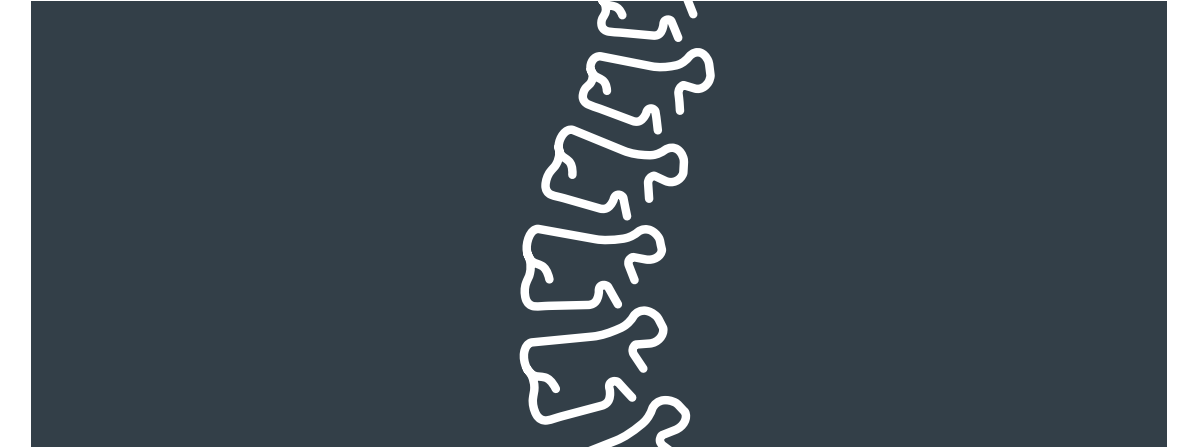
HIV, human immunodeficiency virus; IV, intravenous; UTI, urinary tract infection.



Possible fracture



Possible tumour or infection



Possible cauda equina syndrome

From medical history

- > Major trauma, such as vehicle accident or fall from height.
- > Minor trauma or even strenuous lifting in an older, or potentially osteoporotic, patient.

- > Age over 50 or under 20.
- > History of cancer and/or constitutional symptoms, such as recent fever or chills or unexplained weight loss.
- > Risk factors for spinal infection: recent bacterial infection (e.g., UTI), IV drug abuse, or immune suppression, (e.g., from corticosteroids, transplant or HIV).
- > Pain that worsens when supine and/or severe night-time pain.

- > Saddle anaesthesia.
- > Recent onset of bladder dysfunction, such as urinary retention, increased frequency, or overflow incontinence.
- > Severe or progressive neurological deficit in the lower extremity.

From clinical examination

- > Peri-anal/perineal sensory loss.
- > Major motor weakness: quadriceps (knee extension weakness); plantar flexors, evertors and dorsiflexors (foot drop).

Presentation



History



Clinical examination



Differential diagnosis



Treatment plan



Clinical evidence



Follow-up & summary



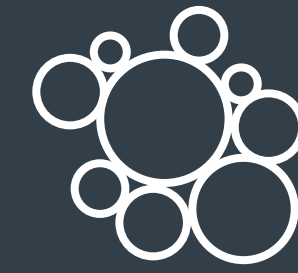
Differential diagnosis 

What could the possible cause for the pain be in patients like Andrew?



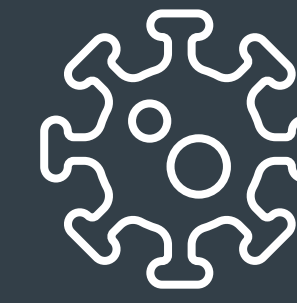
Acute musculoskeletal pain^{1,2}

- > Ache, spasm.
- > Increases with activity or bending.
- > Local tenderness, limited spinal motion.



Tumour³⁻⁵

- > Unexplained weight loss, fever or chills.
- > Past history of malignant tumour.



Infection³⁻⁵

- > Recent bacterial infection, IV drug abuse, immunocompromised condition.
- > Severe pain at night.



Cauda equina syndrome³⁻⁵

- > Bladder dysfunction (urinary retention, occasional overflow incontinence).
- > Sphincter disturbance.
- > Saddle anaesthesia.
- > Global or progressive weakness in the lower limbs or gait disturbance.

IV, intravenous.
 1. National Health Committee. Low Back Pain: A Pathway to Prioritisation. Available at: www.health.govt.nz/system/files/documents/publications/nhc-lbp-pathway-to-prioritisation.pdf (last accessed May 2021). 2. Patel A. Am Fam Physician 2000;61(6): 1779-1786. 3. NSW Therapeutic Assessment Group. Low back pain. Rational use of opioids in chronic or recurrent non-malignant pain: prescribing guidelines for primary care clinicians. Available at: www.nswtag.org.au/wp-content/uploads/2017/08/pain-low-back-gp-dec-2002.pdf (last accessed May 2021). 4. European guidelines for the management of acute nonspecific low back pain in primary care. Available at: www.ncbi.nlm.nih.gov/pmc/articles/PMC3454540/pdf/586_2006_Article_1071.pdf (last accessed May 2021). 5. Australian Acute Musculoskeletal Pain Guidelines Group. Evidence-based management of acute musculoskeletal pain. Available at: www.catalogue.nla.gov.au/catalog/3355145 (last accessed May 2021).

Treatment plan



Approach to management of acute musculoskeletal pain.

01

What are the modalities of treatment?

02

What is the clinical evidence?

03

What do guidelines say regarding the most suitable management?

Presentation



History



Clinical examination



Differential diagnosis



Treatment plan



Clinical evidence



Follow-up & summary



#ListenToPain

Treatment
plan



What
modalities can
be used to treat
patients like
Andrew?

Click an option to select your answer.

PHYSICAL
THERAPY

PATIENT
EDUCATION

PHARMACOLOGICAL
MANAGEMENT

ALL OF
THE ABOVE

HALEON



Presentation



History



Clinical
examination



Differential
diagnosis



Treatment
plan



Clinical
evidence



Follow-up
& summary



#ListenToPain

Treatment
plan



What
modalities can
be used to treat
patients like
Andrew?

Click an option to select your answer.

- × **PHYSICAL THERAPY**
- PATIENT EDUCATION
- PHARMACOLOGICAL MANAGEMENT
- ALL OF THE ABOVE

HALEON



Presentation



History



Clinical
examination



Differential
diagnosis



Treatment
plan



Clinical
evidence



Follow-up
& summary



Treatment plan



What modalities can be used to treat patients like Andrew?

Click an option to select your answer.

PHYSICAL THERAPY



PATIENT EDUCATION

PHARMACOLOGICAL MANAGEMENT

ALL OF THE ABOVE

Presentation



History



Clinical examination



Differential diagnosis



Treatment plan



Clinical evidence



Follow-up & summary



#ListenToPain

Treatment
plan



What
modalities can
be used to treat
patients like
Andrew?

Click an option to select your answer.

PHYSICAL
THERAPY

PATIENT
EDUCATION

×

PHARMACOLOGICAL
MANAGEMENT

ALL OF
THE ABOVE

HALEON



Presentation



History



Clinical
examination



Differential
diagnosis



Treatment
plan



Clinical
evidence



Follow-up
& summary



Treatment
plan



What modalities can be used to treat patients like Andrew?

Click an option to select your answer.

- ✓ PHYSICAL THERAPY
- ✓ PATIENT EDUCATION
- ✓ PHARMACOLOGICAL MANAGEMENT
- ✓ ALL OF THE ABOVE

Presentation



History



Clinical
examination



Differential
diagnosis



Treatment
plan



Clinical
evidence



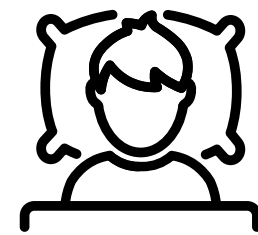
Follow-up
& summary



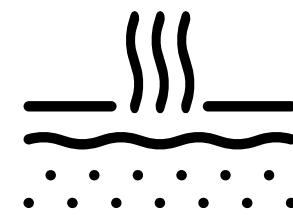


What modalities can be used to treat patients like Andrew?

Adequate rest for 2-3 days and slowly resume daily activities^{1,2}



Physical therapy e.g., superficial heat²



Patient education to avoid re-injury¹



Pharmacological management e.g., topical and/or oral analgesics³



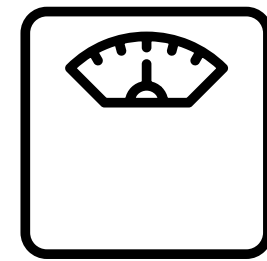
1. NSW Therapeutic Assessment Group. Low back pain. Rational use of opioids in chronic or recurrent non-malignant pain: prescribing guidelines for primary care clinicians. Available at: www.nswtag.org.au/wp-content/uploads/2017/08/pain-low-back-gp-dec-2002.pdf (last accessed May 2021).
2. Accident Compensation Corporation (ACC). New Zealand acute low back pain guide. Available at: www.acc.co.nz/assets/provider/lower-back-pain-guide-acc1038.pdf (last accessed May 2021). 3. Annals of Internal Medicine. Noninvasive treatments for acute, subacute, and chronic low back pain: A clinical practice guideline from the American College of Physicians. Available at: www.acpjournals.org/doi/full/10.7326/M16-2367 (last accessed May 2021).



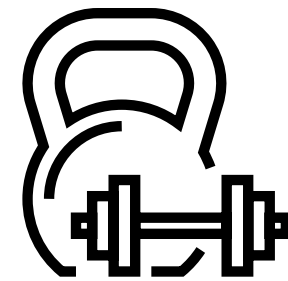


Lifestyle modifications for Andrew.

Weight management¹



Reduction of strenuous physical activity²



Ergonomic adaptations in the workplace^{1,3}



Appropriate posture training for sitting, driving and lifting^{1,3}



1. NSW Therapeutic Assessment Group. Low back pain. Rational use of opioids in chronic or recurrent non-malignant pain: prescribing guidelines for primary care clinicians. Available at: www.nswtag.org.au/wp-content/uploads/2017/08/pain-low-back-gp-dec-2002.pdf (last accessed May 2021). 2. Accident Compensation Corporation (ACC). New Zealand acute low back pain guide. Available at: www.acc.co.nz/assets/provider/lower-back-pain-guide-acc1038.pdf (last accessed May 2021). 3. Annals of Internal Medicine. Noninvasive treatments for acute, subacute, and chronic low back pain: A clinical practice guideline from the American College of Physicians. Available at: www.acpjournals.org/doi/full/10.7326/M16-2367 (last accessed May 2021).



#ListenToPain

Treatment
plan



What are the
therapeutic
options for
patients with
MSK pain?

Click an option to select your answer.

MSK, musculoskeletal.

**TOPICAL
DICLOFENAC
PARACETAMOL
IBUPROFEN
ALL OF
THE ABOVE**

HALEON



Presentation



History



Clinical
examination



Differential
diagnosis



Treatment
plan



Clinical
evidence



Follow-up
& summary



Treatment plan



What are the therapeutic options for patients with MSK pain?

Click an option to select your answer.

MSK, musculoskeletal.

× **TOPICAL DICLOFENAC**
PARACETAMOL
IBUPROFEN
ALL OF THE ABOVE



Presentation



History



Clinical examination



Differential diagnosis



Treatment plan



Clinical evidence



Follow-up & summary



Treatment plan



What are the therapeutic options for patients with MSK pain?

Click an option to select your answer.

MSK, musculoskeletal.

TOPICAL
DICLOFENAC

× PARACETAMOL

IBUPROFEN

ALL OF
THE ABOVE



Presentation



History



Clinical examination



Differential diagnosis



Treatment plan



Clinical evidence



Follow-up & summary



Treatment
plan



What are the
therapeutic
options for
patients with
MSK pain?

Click an option to select your answer.

MSK, musculoskeletal.

TOPICAL
DICLOFENAC
PARACETAMOL
× **IBUPROFEN**
ALL OF
THE ABOVE



Presentation



History



Clinical
examination



Differential
diagnosis



Treatment
plan



Clinical
evidence



Follow-up
& summary



Treatment
plan



What are the
therapeutic
options for
patients with
MSK pain?

Click an option to select your answer.

- ✓ TOPICAL
DICLOFENAC
- ✓ PARACETAMOL
- ✓ IBUPROFEN
- ✓ ALL OF
THE ABOVE



MSK, musculoskeletal.

Presentation



History



Clinical
examination



Differential
diagnosis



Treatment
plan



Clinical
evidence



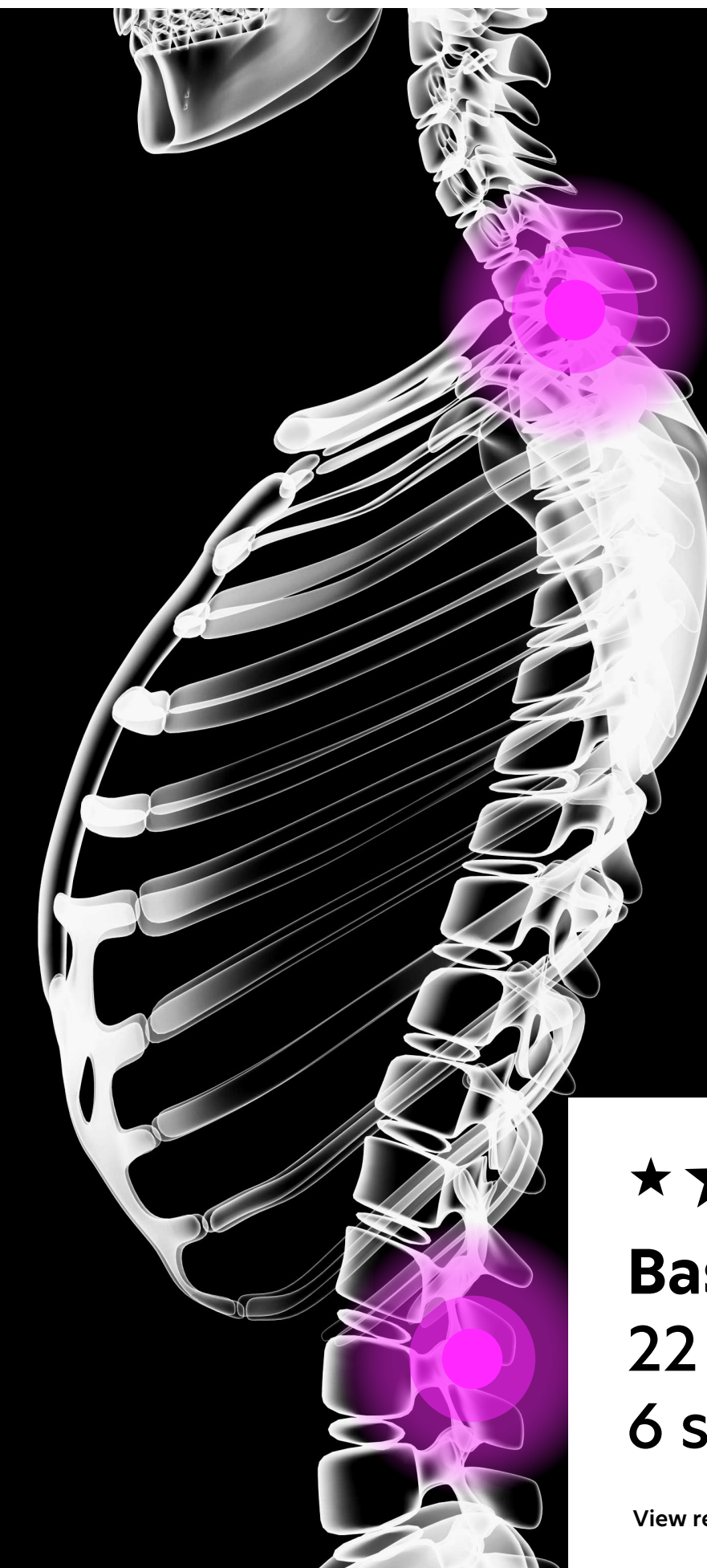
Follow-up
& summary





What do guidelines recommend?

- > High-grade evidence for use of **topical diclofenac**.
 - Effective for acute musculoskeletal pain, such as sprains, with minimal adverse event profile.
- > Both paracetamol and ibuprofen show comparable efficacy, however, the quality of evidence evaluated was low.

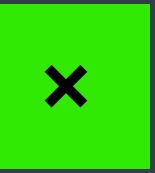


Based on robust evidence
22 guidelines &
6 systemic reviews.¹⁻²²

[View references >](#)

1. Saragiotto B et al. *Cochrane Database of Systematic Reviews* 2016;(6):CD012230. 2. Davies R, et al. *Eur Spine J* 2008;17(11):1423-1430. 3. Ridderikhof M, et al. *Emerg Med J* 2019;36(8):493-500.





References

1. Gaseem A, et al. *Ann Intern Med* 2017;166(7):514-530.
2. National Institute for Health and Care Excellence (NICE), United Kingdom. Low back pain and sciatica in over 16s: assessment and management NICE Guideline NG59. Available at: www.nice.org.uk/guidance/ng59 (last accessed May 2021).
3. The Royal Australian College of General Practitioners Ltd (RACGP). RACGP aged care clinical guide (Silver Book). Available at: www.racgp.org.au/silverbook (last accessed May 2021).
4. Van Tulder M, et al. *Eur Spine J* 2006;15 Suppl 2:S169-91.
5. National Health Committee. Low back pain: a pathway to prioritisation. Wellington: National Health Committee. 2015.
6. Krismer M, Van Tulder M. *Best Pract Res: Clin Rheumatol* 2007;21(1):77-91.
7. North American Spine Society. Evidence-based clinical guidelines for multidisciplinary spine care. Diagnosis and treatment of low back pain. Available at: www.spine.org/Portals/0/assets/downloads/ResearchClinicalCare/Guidelines/LowBackPain.pdf (last accessed May 2021).
8. Hsu J, et al. *J Orthop Trauma* 2019;33(5):e158.
9. Ftouh S, et al. *BMJ* 2011;21:342.
10. National Institute for Health and Care Excellence (NICE), United Kingdom. Fractures (non-complex): assessment and management NICE Guideline NG38. Available at: www.nice.org.uk/guidance/ng38 (last accessed May 2021).
11. NSW Agency for Clinical Innovation. Management of people with acute low back pain: model of care. Available at: https://aci.health.nsw.gov.au/__data/assets/pdf_file/0007/336688/acute-low-back-pain-moc.pdf (last accessed May 2021).
12. NSW Therapeutic Assessment Group. Low back pain. Rational use of opioids in chronic or recurrent non-malignant pain: prescribing guidelines for primary care clinicians. Available at: www.nswtag.org.au/wp-content/uploads/2017/08/pain-low-back-gp-dec-2002.pdf (last accessed May 2021).
13. Australian and New Zealand Hip Fracture Registry (ANZHFR) Steering Group. Australian and New Zealand Guideline for Hip Fracture Care. Improving Outcomes in Hip Fracture Management of Adults. Available at: www.anzhfr.org/wp-content/uploads/sites/1164/2021/12/ANZ-Guideline-for-Hip-Fracture-Care.pdf (last accessed May 2021).
14. Australian Acute Musculoskeletal Pain Guidelines Group. Evidence-based management of acute musculoskeletal pain. Available at: www.catalogue.nla.gov.au/catalog/3355145 (last accessed May 2021).
15. Accident Compensation Corporation (ACC). New Zealand acute low back pain guide. Available at: www.acc.co.nz/assets/provider/lower-back-pain-guide-acc1038.pdf (last accessed May 2021).
16. New Zealand government. Shoulder-treatment-guidelines.
17. Toward Optimized Practice Low Back Pain Working Group. Evidence-Informed Primary Care Management of Low Back Pain. Available at: www.actt.albertadoctors.org/media/zpgdhot5/lbp-guideline.pdf (last accessed May 2021).
18. Negrini S, et al. *Europa Medicophysica* 2006;42(2):151-170.
19. Bisciotti G, et al. *BMJ Open Sport Exerc Med* 2018;4(1):e000323.
20. Department: Health Republic of South Africa. Symptom-based integrated approach to the adult in primary care. Available at: www.hst.org.za/publications/NonHST%20Publications/PC-101-Guideline-v2-2013-14-2.pdf (last accessed May 2021).
21. Rached R, et al. *AMB* 2013;59(6):536-553.
22. Hussein A, et al. Malaysian low back pain management guideline. Malaysian association for the study of pain. Available at: www.masp.org.my/index.cfm?&menuid=23 (last accessed May 2021).

Presentation



History



Clinical examination



Differential diagnosis



Treatment plan



Clinical evidence

Follow-up & summary



Clinical evidence 



Musculoskeletal pain

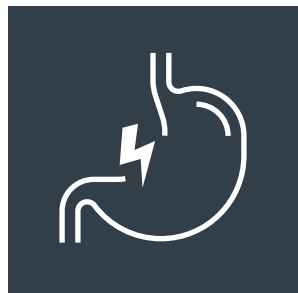
Topical diclofenac
Recommended first-line for:

Paracetamol
Recommended for:

Ibuprofen
Limited use



MSK pain



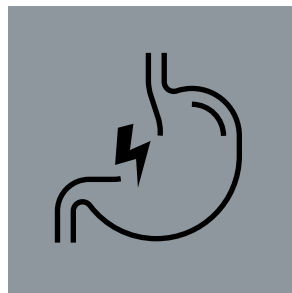
GI risks



CVD



Elderly



GI risks



CVD



Elderly

> Most guidelines recommend topical diclofenac as first-line treatment for acute MSK pain. > Only a few guidelines recommend paracetamol as first-line therapy.

CVD, cardiovascular disease; GI, gastrointestinal; MSK, musculoskeletal.
1. Saragiotto B, et al. *Cochrane Database of Syst Rev* 2016(6):CD012230. 2. Davies R, et al. *Eur Spine J* 2008;17(11):1423-1430. 3. Ridderikhof M, et al. *Emerg Med J* 2019;36(8):493-500.

Presentation 

History 

Clinical examination 

Differential diagnosis 

Treatment plan 

Clinical evidence

Follow-up & summary 



#ListenToPain

Clinical
evidence



Which is the
most suitable
option for
Andrew?

Click an option to select your answer.

**TOPICAL
DICLOFENAC
PARACETAMOL
IBUPROFEN
TOPICAL
DICLOFENAC +
PARACETAMOL**

Presentation



History



Clinical
examination



Differential
diagnosis



Treatment
plan



Clinical
evidence

Follow-up
& summary



HALEON





Which is the most suitable option for Andrew?

Click an option to select your answer.

- × **TOPICAL DICLOFENAC**
- PARACETAMOL
- IBUPROFEN
- TOPICAL DICLOFENAC + PARACETAMOL





Which is the most suitable option for Andrew?

Click an option to select your answer.

- TOPICAL DICLOFENAC
- × PARACETAMOL
- IBUPROFEN
- TOPICAL DICLOFENAC + PARACETAMOL





Which is the most suitable option for Andrew?

Click an option to select your answer.

- TOPICAL DICLOFENAC
- PARACETAMOL
- × IBUPROFEN
- TOPICAL DICLOFENAC + PARACETAMOL





Which is the most suitable option for Andrew?

Click an option to select your answer.

TOPICAL
DICLOFENAC
PARACETAMOL
IBUPROFEN

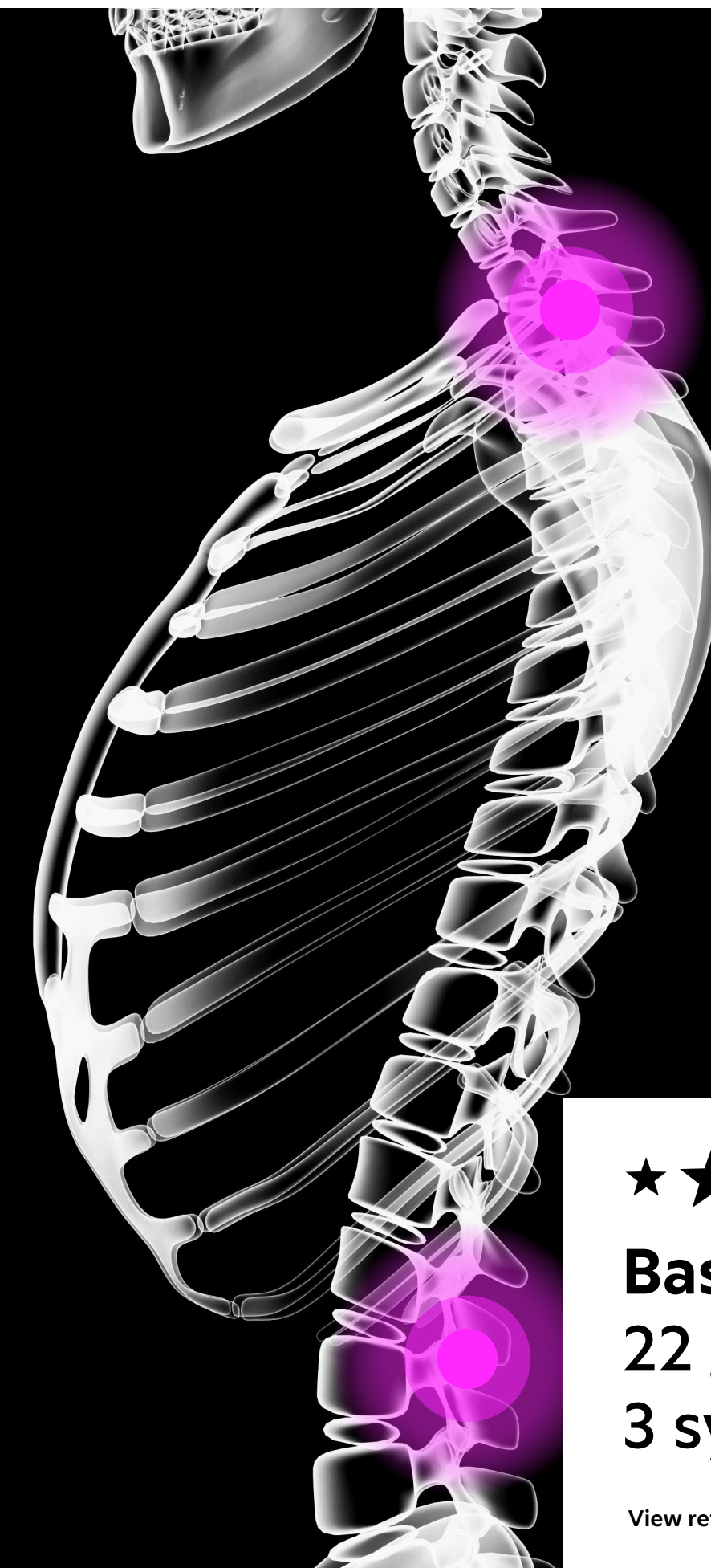
✓
TOPICAL
DICLOFENAC +
PARACETAMOL

If topical diclofenac is not enough then add paracetamol



What do guidelines recommend?

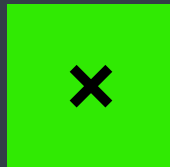
- > **Topical diclofenac:** the latest systematic review based on 11,000 participants demonstrated that topical diclofenac is a suitable, effective first-line treatment for acute MSK pain, such as sprains, strains, and sports-related injuries with minimal reported adverse events.²³⁻²⁵
- > There is insufficient evidence regarding the comparative effectiveness of paracetamol and ibuprofen alone in relieving MSK pain.
- > Most of the guidelines recommend paracetamol while few also recommend its use as first-line therapy. In contrast, only limited number of guidelines recommend ibuprofen for management of musculoskeletal pain.
- > However, paracetamol is the drug of choice in management of MSK pain in elderly and patients with risk of gastrointestinal or cardiovascular events.



★★★
Based on robust evidence
22 guidelines &
3 systemic reviews.¹⁻²²

[View references >](#)

MSK, musculoskeletal.



References

1. Gaseem A, et al. *Ann Intern Med* 2017;166(7):514-530.
2. National Institute for Health and Care Excellence (NICE), United Kingdom. Low back pain and sciatica in over 16s: assessment and management NICE Guideline NG59. Available at: www.nice.org.uk/guidance/ng59 (last accessed May 2021).
3. The Royal Australian College of General Practitioners Ltd (RACGP). RACGP aged care clinical guide (Silver Book). Available at: www.racgp.org.au/silverbook (last accessed May 2021).
4. Van Tulder M, et al. *Eur Spine J* 2006;15 Suppl 2:S169-91.
5. National Health Committee. Low back pain: a pathway to prioritisation. Wellington: National Health Committee. 2015.
6. Krismer M, Van Tulder M. *Best Pract Res: Clin Rheumatol* 2007;21(1):77-91.
7. North American Spine Society. Evidence-based clinical guidelines for multidisciplinary spine care. Diagnosis and treatment of low back pain. Available at: www.spine.org/Portals/0/assets/downloads/ResearchClinicalCare/Guidelines/LowBackPain.pdf (last accessed May 2021).
8. Hsu J, et al. *J Orthop Trauma* 2019;33(5):e158.
9. Ftouh S, et al. *BMJ* 2011;21:342.
10. National Institute for Health and Care Excellence (NICE), United Kingdom. Fractures (non-complex): assessment and management NICE Guideline NG38. Available at: www.nice.org.uk/guidance/ng38 (last accessed May 2021).
11. NSW Agency for Clinical Innovation. Management of people with acute low back pain: model of care. Available at: https://aci.health.nsw.gov.au/__data/assets/pdf_file/0007/336688/acute-low-back-pain-moc.pdf (last accessed May 2021).
12. NSW Therapeutic Assessment Group. Low back pain. Rational use of opioids in chronic or recurrent non-malignant pain: prescribing guidelines for primary care clinicians. Available at: www.nswtag.org.au/wp-content/uploads/2017/08/pain-low-back-gp-dec-2002.pdf (last accessed May 2021).
13. Australian and New Zealand Hip Fracture Registry (ANZHFR) Steering Group. Australian and New Zealand Guideline for Hip Fracture Care. Improving Outcomes in Hip Fracture Management of Adults. Available at: www.anzhfr.org/wp-content/uploads/sites/1164/2021/12/ANZ-Guideline-for-Hip-Fracture-Care.pdf (last accessed May 2021).
14. Australian Acute Musculoskeletal Pain Guidelines Group. Evidence-based management of acute musculoskeletal pain. Available at: www.catalogue.nla.gov.au/catalog/3355145 (last accessed May 2021).
15. Accident Compensation Corporation (ACC). New Zealand acute low back pain guide. Available at: www.acc.co.nz/assets/provider/lower-back-pain-guide-acc1038.pdf (last accessed May 2021).
16. New Zealand government. Shoulder-treatment-guidelines.
17. Toward Optimized Practice Low Back Pain Working Group. Evidence-Informed Primary Care Management of Low Back Pain. Available at: www.actt.albertadoctors.org/media/zpgdhot5/lbp-guideline.pdf (last accessed May 2021).
18. Negrini S, et al. *Europa Medicophysica* 2006;42(2):151-170.
19. Bisciotti G, et al. *BMJ Open Sport Exerc Med* 2018;4(1):e000323.
20. Department: Health Republic of South Africa. Symptom-based integrated approach to the adult in primary care. Available at: www.hst.org.za/publications/NonHST%20Publications/PC-101-Guideline-v2-2013-14-2.pdf (last accessed May 2021).
21. Rached R, et al. *AMB* 2013;59(6):536-553.
22. Hussein A, et al. Malaysian low back pain management guideline. Malaysian association for the study of pain. Available at: www.masp.org.my/index.cfm?&menuid=23 (last accessed May 2021).
23. Saragiotto B, et al. *Cochrane Database Syst Rev* 2016;(6):CD012230.
24. Davies R, et al. *Eur Spine J* 2008;17(11):1423-1430.
25. Ridderlkhhot M, et al. *Emerg Med* 2019;36(8):493-500.

Presentation



History



Clinical examination



Differential diagnosis



Treatment plan



Clinical evidence

Follow-up & summary



Clinical evidence



Andrew has hypertension and dyslipidemia.

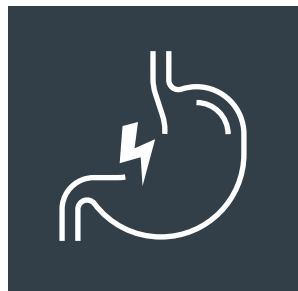
Topical diclofenac
Recommended in first-line

Paracetamol
Recommended in below population

Ibuprofen
Limited use



MSK pain



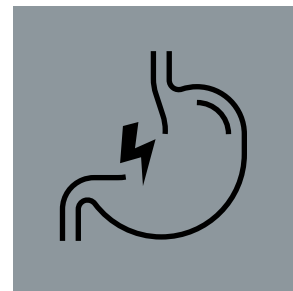
GI risks



CVD



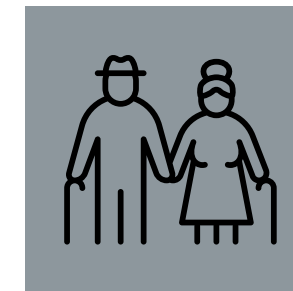
Elderly



GI risks



CVD



Elderly

Guidelines recommend monotherapy with topical diclofenac or, if no improvement, oral paracetamol in combination with topical diclofenac.

CVD, cardiovascular disease; GI, gastrointestinal; MSK, musculoskeletal.

Presentation



History



Clinical examination



Differential diagnosis



Treatment plan



Clinical evidence

Follow-up & summary





What next?

Andrew was asked to apply **topical diclofenac 1% gel (2g)** up to four times a day for up to 7 days, and follow a healthy lifestyle.

In case of persistent symptoms, combination therapy along with **oral paracetamol 500mg-1g SOS** can be advised.

During this course of treatment, **if symptoms worsen or persists beyond 7 days**, he is advised to consult his doctor.

SOS, as necessary.

Presentation



History



Clinical examination



Differential diagnosis



Treatment plan



Clinical evidence



Follow-up & summary



Summary

Andrew is a 52-year-old man who hurt his lower back while playing squash.

The initial severe pain got better; however, he still had a dull ache, which was a cause of irritation.

Additionally, he complained of a shooting pain when he bent down to tie his shoelaces.

On examination, there was pain and tenderness in lower back, which increased on movement and bending, limited range of spinal motion, negative straight leg raise test, no paresthesias, normal reflexes.

He was diagnosed with **acute musculoskeletal pain**.

He was recommended to apply topical diclofenac 1% gel (2g) up to four times a day for up to 7 days, and was asked to follow up after 1 week.

HALEON

For Healthcare professionals only, Always read label before use.
If you wish to report any adverse event, product quality complaint, or Medical enquiry, please contact us at mystory.ae@haleon.com or +973 16500 404.
Item Code: PM-BH-PAN-24-00022 | Preparation date: June 2024