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Irish Clinicians' Knowledge and Confidence in Diagnosing, Risk Factors and **Prognosis of Patellofemoral Pain**

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Introduction

Patellofemoral Pain (PFP) is pain around or behind the patella, aggravated by movements that load the patellofemoral joint during weight bearing on a flexed



PFP is a common chronic knee condition affecting all population subgroups. 38

- Adolescents
- Adults < 60 years old. Physically active



Diagnosis of PFP is ambiguous and challenging - no definitive clinical test 4

Diagnosis made through clinical examination - focus on individuals history, identifying risk factors & symptoms



Risk factors are numerous, but the relationship between risk factors and the development of PFP is conflicting - PFP's multifactorial complexity. 6.9

The **outcomes** of PFP are **unfavourable**.

> 50 of individuals with PFP had negative outcomes 5-8 years post-diagnosis.4



Particinants (4%

Participation Rate)

No published research evaluating Irish Clinicians' beliefs and knowledge of

Results

Characteristics	Value, NO (%)	
\ge	47 +/- 9.9	
C		

Discipline 45 (84.9)

8 (15.1)

1 (1.9)

31 (58.5)

8 (15.1)

52 (98.1)

10 (19.2)

10 (19.2)

22 (42.3)

52 (100)

34 (65.4) 18 (34.6)

0 (0)

1 (1.9)

1 (1.9)

Athletic

MISCE

ISCP

ARTI



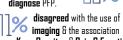
Confidence

The majority of Clinicians were confident in their approach to PFP.

of Irish Clinicians were not confident that their approach aligned with PFP – All Clinicians were physiotherapists

Diagnosis

The **majority** of Clinicians agreed with the criteria to diagnose PFP.



between Knee Crepitus & Pain & Function. - Significantly more physiotherapists disagreed than Athletic Therapists (p=0.04).

Risk Factors

The **majority** of Clinicians agreed with the majority of risk factors.

















Evaluation of Irish Clincians' Knowledge and Confidence in Diagnosing, Risk Factors and Prognosis of Patellofemoral Pain



Comparison of Irish Clinicians' Knowledge and Beliefs of PFP with Current Practice Guidelines (CPG), Other Clinicians' & Literature

Discussions & Implications

Clinicians were confident in their approach to PFP - on par with international standards.



Irish Clinicians feel their approach is current & aligns with PFP.

Irish Clinicians are well-verse

in CPG, the identification &

diagnosis of PFP.

translating CPG.

Prognosis knowledge is another

problematic area gap implying

issues in translating CPG to

Clinicians' beliefs.

Clinicians' knowledge of diagnosis aligned with CPG & international standards.

Risk factor knowledge was similar

to international standards but did

not align with CPG.



Risk factor knowledge is a problematic area for Clinicians in general, implying issues in





Conflicting CPG, position statements &



Prognosis

Clinicians were evenly Most Agreeable Least Agreeable **∐%split** in Shorter symptom duration More than half of patients with agreement on 🔪 (12 months) is associated PFP had unfavourable recovery 🦲 prognostic items. with better outcomes. post 5-8 years of diagnosis.

References

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laviano, N.R., Balgia, L.A., and Bazett-Jones, D.M. (2022) "Survey of confidence and insult val Morapy in Sport 55, 218—228, available: https://doi.org/10.1016/jptsp.2022.DA.003. anes, D.M., de Oliveira Silva, D., Barton, C.J., and Giaviano, N.R. (2022) "Confidence and K

Study Design: Cross-Sectional online survey.



-page 环 question Survey adapted from 8. 🕰 Mix of Likert-based (n= 🔠) and yes/no questions

- Participant Demographics.
- Confidence in the approach and management
- Knowledge of PFP Diagnosis, Risk Factors, Prognosis

Participants

Irish Clinicians (Certified and practices within reland).

- Chartered Physiotherapists
- Certified Athletic Therapists Cronbach's Alpha - Survey Validity.

Statistical Spearman's rank correlation - associations: Analysis

Years of experience

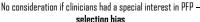
- h) Clincians' previous experience with
 - Years of previous experience with PFP
 - Clinicians currently treating individuals

Pearson's chi-square test - Any differences in observed response between disciplines.

Limitations



Small sample size (n=5) - Generalisation of results.



selection bias



Beliefs and knowledge of confidence may not align with the day-today approach to managing PFP.



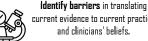
Surveys can identify gaps in knowledge but not CPG.10

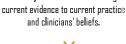
Clinicians can not accurately



Further Studies

Build on the established knowledge gaps







Clarify CPG, Position Statements and Literature on PFP





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