E-Poster

EP-96

Factors Associated With Hand-Specific Activity Limitations in People With Base-of-Thumb Osteoarthritis: A Secondary Analysis of the RHIBOT and RHIZORTHÈSE

Topic: Health Conditions (Nervous System, Musculoskeletal System, Cardiopulmonary System)

Christelle Nguyen[1], François Rannou[2], Antoine Théodon[2]

[1]*AP-HP, Paris, France*
[2]*Université Paris Cité, Paris, France*

BACKGROUND

Base-of-thumb osteoarthritis that affects the trapeziometacarpal joint, is one of the most common conditions affecting adults. It causes pain and limitations affecting manual activities of daily living. The aim of our study was to assess the factors associated with hand-specific activity limitations in base-of-thumb osteoarthritis.

METHODS

We conducted a secondary analysis of baseline variables from the RHIBOT (60 participants) and RHIZORTHÈSE (112 participants) randomized controlled trials. We classified participants into two groups: one with hand-specific activity limitations considered unacceptable (Cochin hand function scale at inclusion ≥ 27/90) and one with activity limitations considered acceptable (Cochin hand function scale < 27/90). We described baseline variables in both groups and performed multivariate logistic regression to identify baseline independent variables associated with hand-specific activity limitations.

RESULTS

Participants with hand-specific activity limitations considered unacceptable had more severe thumb pain and greater reduced thumb mobility than those with activity limitations considered unacceptable. Pain (Odds ratio 0.948, 95% CI [0.926; 0.971] p = 0.000) and thumb opposition (Odds ratio 1.578, 95% CI [1.033; 2.410] p = 0.035) were the two baseline variables significantly associated with hand-specific activity limitations. Other baseline variables such as age or level of manual activity were not significantly associated with hand-specific activity limitations.

CONCLUSION

Pain intensity and thumb mobility are associated with hand-specific activity limitations in individuals with base-of-thumb osteoarthritis.

Statement of Disclosures

None

Corresponding Author:
Christelle Nguyen
AP-HP, Paris, France
Email: christelle.nguyen2@aphp.fr

Doi: 10.5606/archisprm.2026.EP-96