

Wild Ortho Wednesdays: A Novel Online Curriculum for Multilevel Learners in Emergency Medicine

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Introduction

- Musculoskeletal complaints are common in the Emergency Department setting
- Many Emergency Medicine (EM) physicians are dissatisfied with their orthopedic training¹
- Many providers and senior medical students have inadequate knowledge of common musculoskeletal conditions¹⁻³

Description of Innovation

SUMMARY

- Online longitudinal orthopedics curriculum
- Targeted primarily for EM providers
- Case-based learning strategies⁴
 - Increased relevance for adult learners
 - Promotes learner inquiry

PLATFORM

- Wild Ortho Wednesdays (WOW)
 - Electronic mailing list
 - Weekly cases by email

CONTENT

- Image prompt and brief case presentation
- Questions relevant to ED recognition & management of specific condition
- Answers provided in the body of the email
 - Concise, high-yield format

Pilot Results

13

subscribers responded to pilot survey assessing impact

79%

of emails are opened

89%

of opened email content is reviewed

62%

of participants research a topic further after learning about it from WOW

100%

of participants report that WOW has changed their clinical practice

Conclusion

While the implications of these results are limited by the small sample size of this pilot study, they suggest that WOW may be an effective tool to increase EM provider knowledge and independent investigation of clinically important musculoskeletal disorders. Further research is warranted regarding the objective effect of this curriculum on provider knowledge and retention of information.

References

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INPUTS

- Time
 - Authors
 - Peer-reviewers
 - Editors
 - Illustrators
 - Core team
- Distribution and team communication platforms
 - Google Groups
 - Gmail
 - Google Docs
- Case images
 - Original illustrations
 - Open-access content

ACTIVITIES

- Weekly emails
 - Case-based
 - Questions & answers
 - Concise reviews
- Repository of past cases
- Training materials

PARTICIPATION

- EM providers
- Medical students
- Other providers without orthopedic residency training
- Authors
- Peer-reviewers
- Editors

OUTCOMES

SHORT

- Increased learner inquiry & engagement
- Increased orthopedic knowledge

MEDIUM

- Enhanced test performance

LONG

- Improved patient care
- Better working relationships with orthopedic colleagues

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