

Andrew's Institute Sports Medicine Lecture Series

“Scoliosis Evaluation and Treatment”

Christopher Redman, MD

Registration Information

To receive CME credit, participants need to:

- Register
- View presentation
- Take quiz and obtain 80% (4 out of 5) to pass
- Complete evaluation
- Print certificate

Participants should take 60 minutes to complete the activity. Participants may work at their own pace.

Teaching Methods

This online enduring material uses the following teaching methods and media:

- Lecture (audio/videotaped)
- PowerPoint Presentation

Acknowledgements of Commercial Support

There is no commercial/financial support for this activity.

CME Enduring Material Description, Target Audience and Needs Statement

Sports medicine is an evolving discipline in which experience of a multigenerational factor can shed new information and knowledge on how to properly identify, manage and prevent common injury types seen in sports medicine today. This online educational enduring material is designed for physicians and clinical staff. Its purpose is to bridge the gap between the medical knowledge and current practice with evidence-based practice guidelines to achieve optimal patient outcomes through discussions and examinations of interesting, real world cases.

Objectives

At the end of this online enduring material, participants should be able to:

- Define normal spinal anatomy.
- Define scoliosis and natural history of disease.
- Identify spinal curvatures on clinical examination.
- Identify treatment options for scoliosis and need for early detection.

For Further Study

1. Reamy, B.V., & Slakey, J.B. Adolescent Idiopathic Scoliosis: Review and Current Concepts. *American Family Physician*, 2001. 64(1), 111-116.
2. Dolan, L.A., & Weinstein, S.L. Surgical rates after observation and bracing for adolescent idiopathic scoliosis: an evidence-based review. *Spine*. 2007. 32(19), S91-S1000.
3. J. Thomas et al. Trends in Incidence of Adolescent Idiopathic Scoliosis: A Modern US Population-based Study. *J PediatrOrtho*. Vol. 41, No. 6, 2021.
4. Grivaset al. The pendulum swings back to scoliosis screening: screening policies for early detection and treatment of idiopathic scoliosis – current concepts and recommendations. *Scoliosis*. 2013, 8:16.
5. Texas Department of State Health Services. Spinal Screening Program. *School Spinal Screening Guidelines*. Jan 2019.
6. BunnellWP. Outcome of spinal screening. *Spine (PhilaPa 1976)* 1993;18: 1572-80.

7. BunnellWP: Selective screening for scoliosis. *ClinOrthopRelatRes*. 2005, 40-45
8. IzattMT, Bateman GR, Adam CJ, Evaluation of the iPhone with an acrylic sleeve versus the Scoliometerfor rib hump measurement in scoliosis. *Scoliosis*. 2012. 7:14.
9. United Nations Scientific Committee on the Effects of Atomic Radiation (2008). Sources and effects of ionizing radiation. New York. United Nations. Published 2010.
10. Hui S, PialasseJP et al. Radiation dose of digital radiography (DR) versus micro-dose x-ray (EOS) on patients with adolescent idiopathic scoliosis. *Scoliosis and Spinal Disorders*. 2016; 11:46.
11. DeschenesS, CharronG, BeaudoinG, Labelle H, Dubois J, MironMC, et al. Diagnostic imaging of spinal deformities: reducing patients radiation dose with a new slot-scanning X-ray imager. *Spine (PhilaPa 1976)*. 2010;35:989-94.
12. Lonstein, J.E., Carlson, J.M. The prediction of curve progression in untreated idiopathic scoliosis during growth. *Journal of Bone and Joint SurgAm*. 1984, Vol66(7), 1061-1071.
13. Weinstein, S.L., Dolan, L.A., Wright, J.G., Dobbs, M.B. Design of the Bracing in Adolescent Idiopathic Scoliosis Trial (BrAIST). *Spine*. 2013.
14. Johnson, Mitchell A.; Flynn, John M.; Anari, Jason B.; Gohel, Shivani; Cahill, Patrick J.; Winell, Jennifer J.; Baldwin, Keith D. Risk of Scoliosis Progression in Nonoperatively Treated Adolescent Idiopathic Scoliosis Based on Skeletal Maturity. *Journal of Pediatric Orthopaedics* 41(9):543-548, October 2021.
15. Labelle, H., Richards S, et al. Screening for adolescent idiopathic scoliosis: an information Statement by the scoliosis research society international task force. *Scoliosis*. 2013, 8:17.
16. Weinstein SL, Dolan LA, Wright JG, Dobbs MB. Effects of Bracing in Adolescents with Idiopathic Scoliosis. *N Engl J Med*. 2013;369:1512-21.
17. BeausejourM, Roy-BeaudryM, GouletL, Labelle H. Patient characteristics at the initial visit to a scoliosis clinic: a cross-sectional study in a community without school screening. *Spine*. 2007, 32:1349-1354.
18. Vigneswaran HT, GrabelZJ et al. Surgical treatment of adolescent idiopathic scoliosis in the United States from 1997 to 2012: An analysis of 20,346patients. *J NeurosurgPediatr* 2015;16:322-328.
19. Shaw KA, Ange B et al. Continued Increase in Cost of Care Despite Decrease in Stay After Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis. *J Am AcadOrthopSurg Glob Res Rev*. 2022 Mar; 6(3): e21.00192.
20. D. Morita et al. *Eur Spine J*. 2014 March.

Disclosure

In compliance with the Accreditation Council for Continuing Medical Education (ACCME) Standards for Integrity and Independence, all presenters, authors and planners must disclose to the participants of an educational activity any relevant financial relationships they may have with an *ineligible company*, (*i.e.*, any entity whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients) related to the content of this CME activity.

The Course director, Troy Smurawa, MD, has no relevant financial relationships with an ineligible company related to the content of this CME activity.

The speaker, Christopher Redman, MD, has no relevant financial relationships with an ineligible company related to the content of this CME activity.

The CME planners and staff have no relevant financial relationships with an ineligible company related to the content of this CME activity.



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Credit Designation Statement

The Children's Health is accredited by the Texas Medical Association to provide continuing medical education for physicians.

The Children's Health designates this enduring material for a maximum of 1 AMA PRA Category 1 Credit™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Release and Termination Dates

Original release date: November 14, 2022

Review date: January 22, 2026

Termination date: January 8, 2029

Hardware/Software Requirements

Internet; Media Player; Audio

For more information or questions

CME: 214-456-5168 or CME@Childrens.com