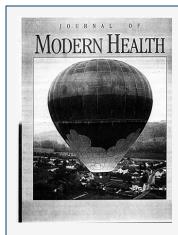


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# **Improving Golfing Performance**

Want to improve your golf game? Biomechanics can show you how



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## **Improving Golfing Performance**

This article by E. James Greenwald, M.D., Anthony P. Feroah, M.A., and David E. Edwards, M.A., A.T.,C. discusses how the science of biomechanics can be used to improve golfing performance. Biomechanics studies human movements to enhance physical performance and is applied in various fields including sports. In golf, biomechanics research focuses on variables such as the body's center of gravity during the swing and the flexion and extension of the hip and trunk area.

A computer system captures these movements and transfers them into a program for data evaluation. The analysis of a golfer's strengths, weaknesses, and limitations can then be used to improve swing mechanics. The article also highlights that most back problems in golfers are due to lack of flexibility and strength required for proper rotation and transfer velocity in the hip and trunk.

The Ariel Motion Analysis System, used at the Reno Orthopaedic Clinic, has demonstrated significant differences in factors such as plane and release point. The authors suggest an effective exercise program for golfers, which includes upper body exercises, lower body exercises, golf conditioning exercises, and aerobic activity. The article concludes with a brief profile of the authors and their credentials.

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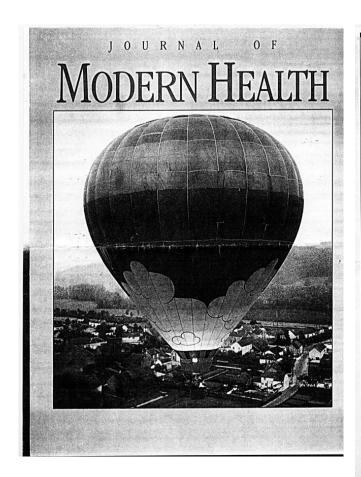
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Below find a reprint of the 2 relevant pages of the article "Improving Golfing Performance" in "Modern Health Journal":



#### Improving Golfing Performance

by E. James Greenwald, M.D., Anthony P. Feroah, M.A., and David E. Edwards, M.A., A.T.,C.

Want to improve your golf game? Biomechanics can show you how.

The science of biomechanics studies various human movements with the purpose of improving a person's physical performance. Biomechanical search is applied to athletic performance, orthopedine injury rehabilitation and equipment aproduct esting and development. Sport biomechanics is particularly popular with performance, in a product esting and development. Sport biomechanics is particularly popular with golf because it is a high vice in extended to the control of gravity and the swing and flexion and catastion of the hip and trunk area are applied to a person from regular or high speed film and video, then transfers the selected movements of a person from regular or high speed film and video, then transfers the selected movements of a person from regular or high speed film and video, then transfers the selected movements of a person from regular or high speed film and video, then transfers the selected movements into a computer program for data evaluation. A golfer's limit anison, strengths and weaknesses of the golfer's swing. Given the speed film and video, then transfers the selected movements into a computer program for data evaluation. A golfer's limit anison, strengths and weaknesses of the golfer's swing. Given the speed film and video, then transfers and the cube to develop the speed film and video, then transfers the selected movements of a person from the selection of the speed film and video, then transfers were speed to the speed film and video, then transfers are an analyzed, and the results are compared to previous research completed on regular or high speed film and video, then transfers are an

dumbbell weight, trunk rotation exercises with a lightly held dumbbell weight, bent over dumbbell row with trunk rotation and wrist flutters with curls and extensions. Theenty to thirty minutes of aerobic activity, such as walking or riding a stationary bike, before or after the training session is also recommended. Finally, the training session should end with a warm-down session of muscle stretching.



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