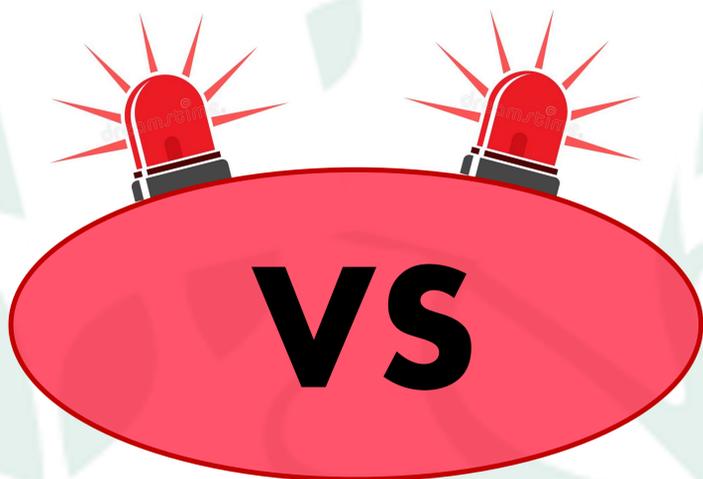
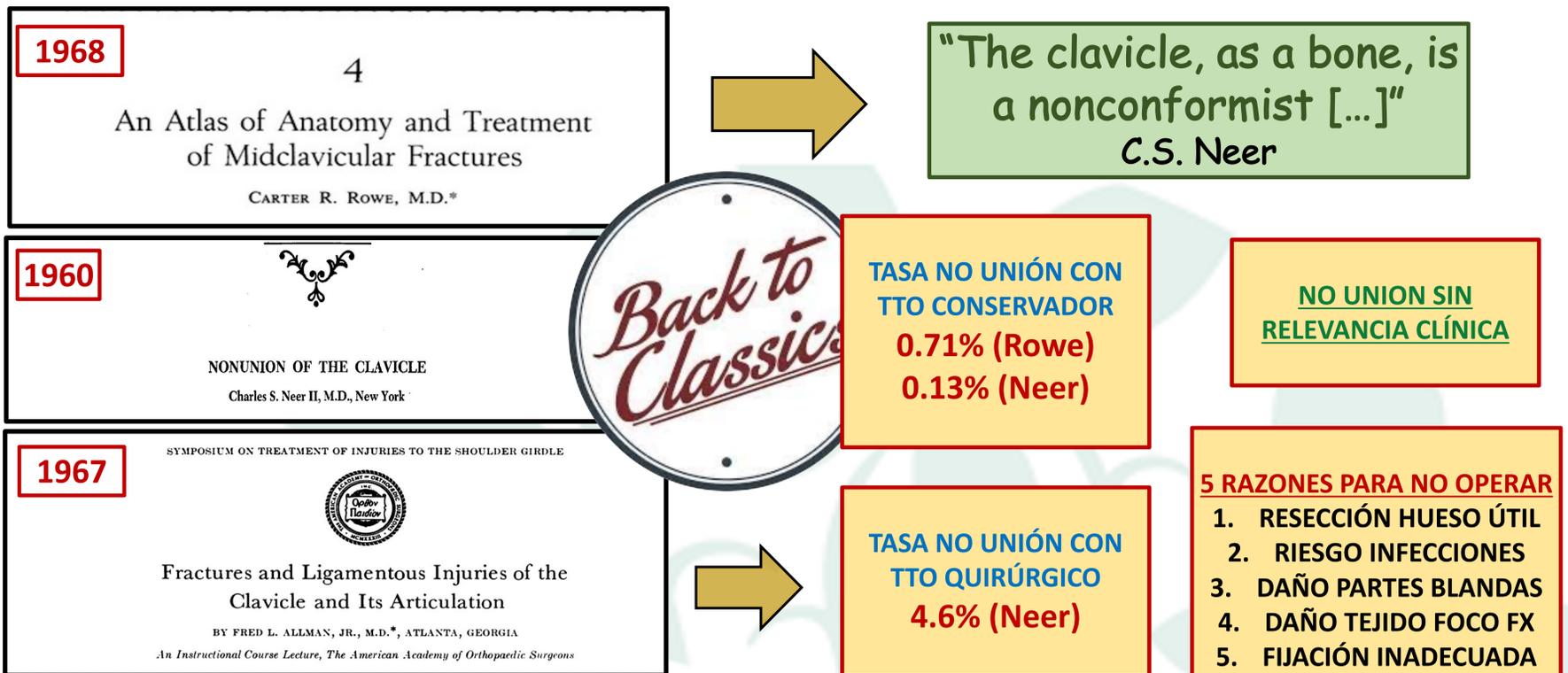


# ¿Y SI ESTAMOS ANTE UN CAMBIO DE PARADIGMA EN EL TRATAMIENTO DE LAS FRACTURAS DE CLAVÍCULA?

Alvarez Alvarez, S; Guitierrez Sáez de Santa María, J; Briceño Sanz, JM; Herrera Ramírez, E; Fernández Lombardía, J.  
Hospital Universitario Central de Asturias



**2017**  
Plate Fixation Compared with Nonoperative Treatment for Displaced Midshaft Clavicular Fractures  
A Multicenter Randomized Controlled Trial  
Sarah Woltz, MD, Sylvia A. Stegeman, MD, PhD, Pieta Krijnen, PhD, Bart A. van Dijkman, MD, Tom P.H. van Thiel, MD, Niels W.L. Schep, MD, PhD, Piet A.R. de Rijke, MD, PhD, Jan Paul M. Frölke, MD, PhD, and Inger B. Schipper, MD, PhD, on behalf of the Slettel Trial Study Group

**2009**  
CURRENT CONCEPTS REVIEW  
Fractures of the Clavicle  
By L.A. Kashif Khan, BSc(Hons), MRCSEd, Timothy J. Bradnock, BSc(Hons), MRCSEd, Caroline Scott, MBChB, and C. Michael Robinson, BMedSci, FRCSEd(Orth)

**CLOSED TREATMENT OF DISPLACED MIDDLE-THIRD FRACTURES OF THE CLAVICLE GIVES POOR RESULTS**  
JAMES M. HILL, MICHAEL H. MCGUIRE, LYNN A. CROSBY  
From Creighton University, Omaha, USA **1997**

Clinical outcomes and predictors of patient satisfaction in displaced midshaft clavicle fractures in adults: Results from a retrospective multicentre study  
Eric D. Tutuhatunewa\*, Martin Stevens, Ron L. Diercks **2013**  
Department of Orthopaedic Surgery, University Medical Center Groningen, University of Groningen, The Netherlands

**2017**  
Risk Factors for Nonunion After Nonoperative Treatment of Displaced Midshaft Fractures of the Clavicle  
I.R. Murray, BMedSci(Hons), MRCSEd, DipSportsMed, C.J. Foster, MBChB, A. Eros, MBChB, and C.M. Robinson, BMedSci(Hons), FRCSEd  
Investigation performed at the Edinburgh Shoulder Clinic, The Royal Infirmary of Edinburgh, Edinburgh, United Kingdom

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Robbin C. McKee, Daniel B. Whelan, MD, FRCSC(C), Emil H. Schemitsch, MD, FRCSC(C), and Michael D. McKee, MD, FRCSC(C)  
Investigation performed at St. Michael's Hospital and the University of Toronto, Toronto, Ontario, Canada

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Nonoperative Treatment Compared with Plate Fixation of Displaced Midshaft Clavicular Fractures  
A Multicenter, Randomized Clinical Trial  
By the Canadian Orthopaedic Trauma Society

