

FEATURED SPEAKER



DAVID STOCKWELL, MD, FAANS

*Assistant Professor of Clinical
Neurological Surgery, Medical
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David W Stockwell MD FAANS is an Assistant Professor of Clinical Neurological Surgery at the Indiana University School of Medicine. He has been a member of the department of Neurological Surgery since 2016. His area of clinical expertise is management of complex spine issues. He completed his medical school at Indiana University School of Medicine. After medical school he trained at the University of Vermont for his Neurosurgical Residency and then completed a complex spine fellowship at the University of Texas - Houston. Currently he serves as the Vice Chair of Clinical affairs for the Department of Neurological Surgery at IU, Methodist Hospital Section Chief for Neurological Surgery and Medical Director for Surgical Spine.

His current clinical areas of expertise include spinal deformity surgery, spinal trauma, and degenerative spinal conditions. His research interests include spinal biomechanics, Clinical outcomes of spinal surgery, spinal trauma, and bone growth pathway for spinal fusion.

SPRING 2024

SEMINAR FOR NEUROTRAUMA AND DISEASES

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PRESENTS

CLINICAL MANAGEMENT OF SPINAL TRAUMA AND SPINAL CORD INJURY

Date: April 17, 2024

Time: 4:00 p.m. - 5:00 p.m. EST

Location: DLR 131

Zoom Link: <http://bit.ly/42hhhJG>

Meeting ID: 923 5486 2062 **Passcode:** CPR

ABSTRACT

This presentation will provide an overview of the clinical management of patients who have sustained spine trauma and spinal cord injury. A brief overview of the epidemiology of spinal trauma and spinal cord injury will provide the background of current incidence and impact on society of these problems. A summary of how injuries to the spinal column are classified and managed clinically will be provided. This will include a discussion of both operative interventions and medical management techniques. Severe spinal trauma can result in damage to the spinal cord affecting neurotransmission and neurologic function. This consequence can be truly devastating. How these injuries are classified will be reviewed. We will discuss the pathophysiology of the damage that occurs to the spinal cord. This will include a timeline of the various mechanisms in the damage cascade and a discussion on potential interventional options. Clinical cases will be included to guide the discussion throughout.



Center for Paralysis Research