



Globus Fellows Course

June 2023 Philadelphia

Chairs:
Mr M J H McCarthy and Dr G Borden

Faculty:
Prof El Hindy, Miss M Lee, Dr C Maulucci and Dr T Moore



House Keeping

- No “planned” fire drills
- Wi-Fi Network: GMED-GUEST Wi-Fi Password: GLOBOT
- Bathroom location: make a right out of the door - located on left hand side
- Lab location: make a left out of the door, on the left hand-side
- Scrubs: located outside of locker-room; please take a key for a locker
- Product room location: make a right out of the door - on the right hand-side
- No personal photography / videography
- Follow the rules in the wet lab – if in doubt ask!
- Don't miss the shuttle bus / your flights!



Course Started in 2015 - Last Year



2023 - First Time Back Since 2019



First Rule of Globus Spine Club



Real Purpose of Surgery



The Chairs

Gerd Borden*



Mike McCarthy*



The Faculty



Nicolai El Hindy

Maggie Lee

Christopher Maulucci

Timothy Moore*

Victor Chang



The Obligatory Icebreaker



The Course

- Breakouts then Bioskills
- ACDF / Corpectomy / Posterior Cervical Fixation
- LLIF and ATP
- MIS TLIF + Robotics
- Prone LLIF + Robotics

• ***THERE'S A PRIZE!***



Consideration and Strategies: Case Review Cervical

Mr M J H McCarthy

Consultant Spinal Surgeon

Spinal Fellows Cadaveric Program Training Program

June 2023 Philadelphia



Indications for Surgery - DRS

- Decompression
 - Spinal cord / nerve roots
- Realignment
 - Correct deformity
- Stabilisation
 - Prevent / Treat
 - Neurological deficit / deformity / pain
 - (Non fusion technology form of "stabilisation")

Require Instrumentation
All may require fusion
Instrumentation increases Fusion



Indications for Surgery

- 



Don't Forget The Ps

-



Have A Strategy

- 



Common Subaxial Operations

-



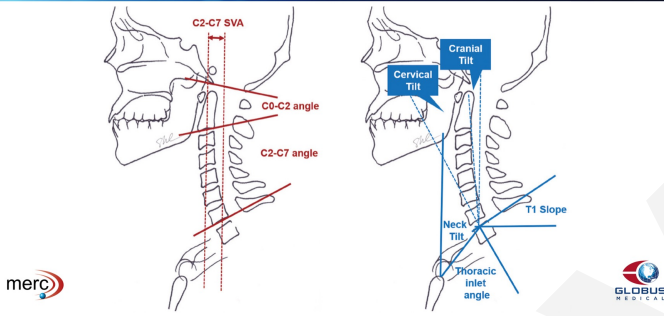
Cervical Parameters



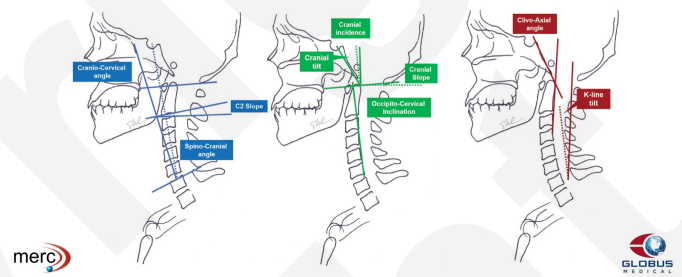
Normal Cervical Alignment Values

merc

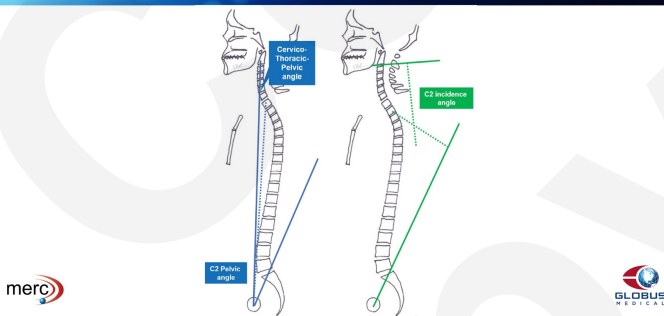
Cervical Parameters



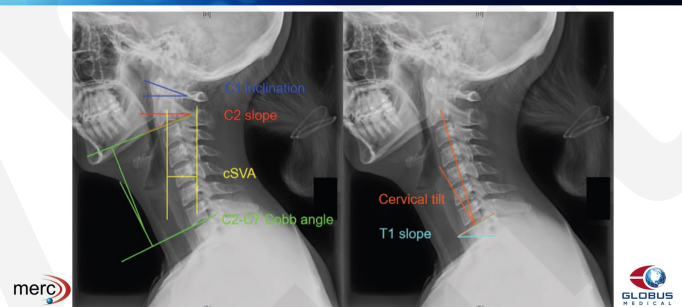
Cervical Parameters



Cervical Parameters



Cervical Parameters



K Line (OPLL)

SPINE Volume 33, Number 26, pp E990-E993
©2010, Lippincott Williams & Wilkins

A New Concept for Making Decisions Regarding the Surgical Approach for Cervical Ossification of the Posterior Longitudinal Ligament The K-Line

Takayuki Fujiyoshi, MD,* Masashi Yamazaki, MD, PhD,* Junko Kawabe, MD,* Tomonori Endo, MD,* Takao Furuya, MD,* Masao Koda, MD, PhD,* Akihiko Okawa, MD, PhD,* Kazuhisa Takahashi, MD, PhD,* and Hiroaki Konishi, MD, PhD†

Key Points

- We proposed a new index, the K-line, which can evaluate cervical alignment and OPLL size in 1 parameter.
- Cervical OPLL patients who underwent posterior decompression surgery were classified into 2 groups: K-line (+) and K-line (-).
- Sufficient posterior shift of the spinal cord and neurologic improvement were not obtained after posterior decompression surgery in the K-line (-) group.
- The K-line is a simple and practical tool for making decisions regarding the surgical approach for cervical OPLL patients.

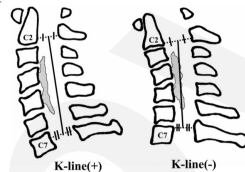


Figure 1. Schematic drawings of the "K-line." The K-line is a straight line that connects the midpoints of the spinal canal at C2 and C7 on the lateral cervical radiographs. Patients with cervical ossification of the posterior longitudinal ligament (OPLL) are divided into 2 groups according to the K-line. OPLL does not exceed the K-line in the K-line (+) group and does exceed it in the K-line (-) group.

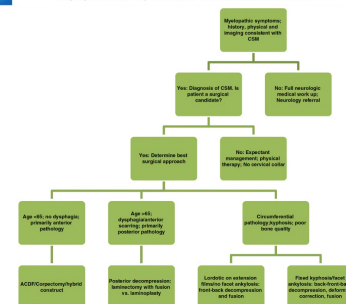


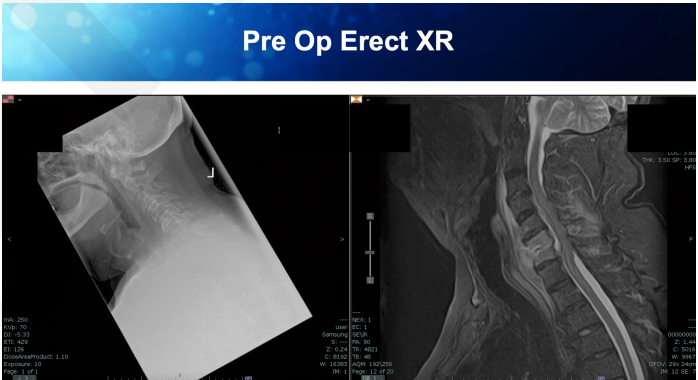
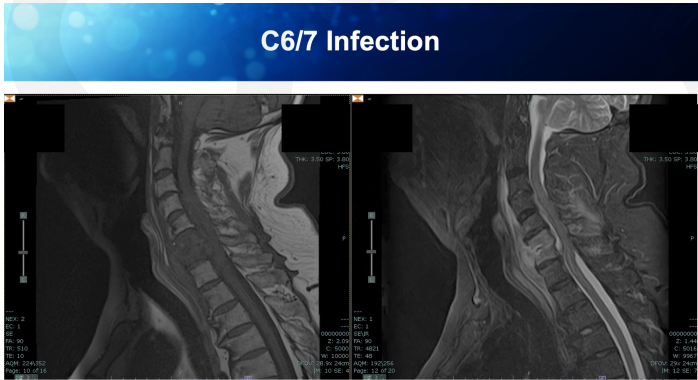
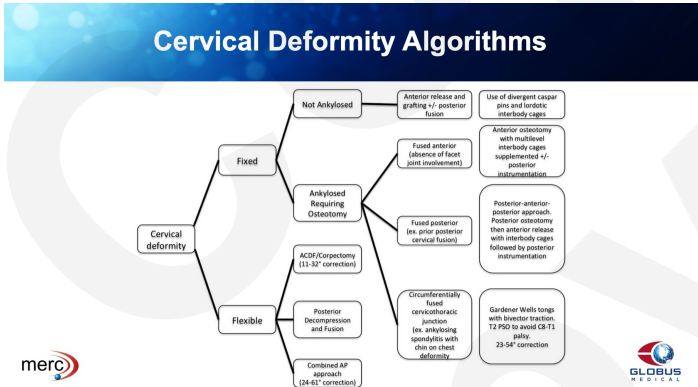
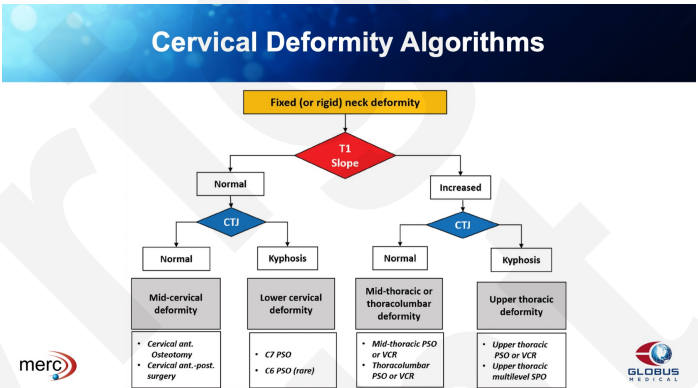
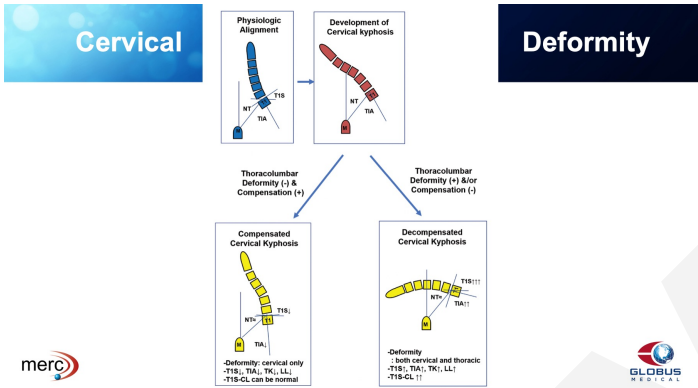
NARRATIVE REVIEWS

Clin Spine Surg • Volume 29, Number 10, December 2016

Cervical Spondylotic Myelopathy

Aditya Iyer, MD, MS* Tej D. Azad, BA* and Suzanne Tharin, MD, PhD†





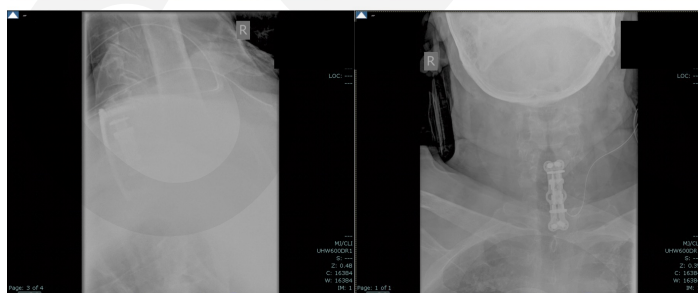
Options – What Would You Do?...



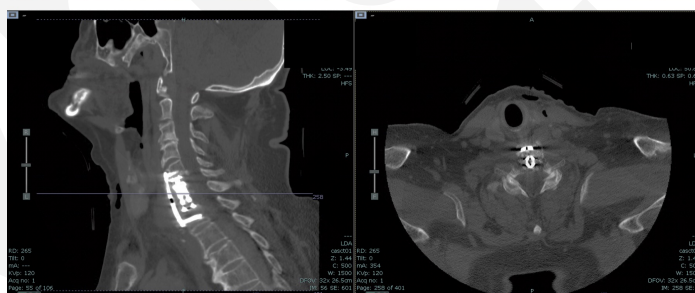
Intra Op Images



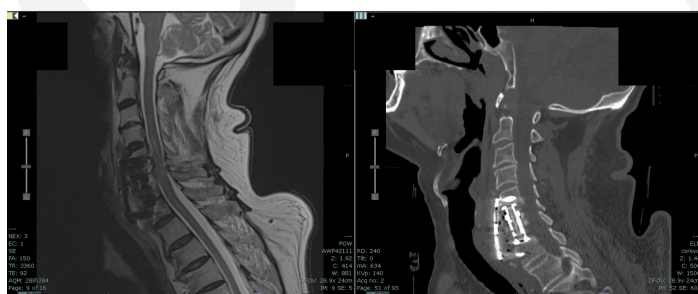
Post Op XR



Post Op CT



Deteriorates at 1 week...



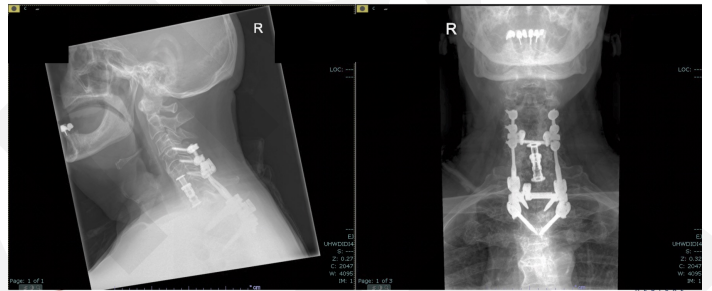
Why?



What Now?



Posterior then Anterior Revision



Post Op CT



As With All Things...



Pay attention to the detail and never let your guard down



Thank You



Don't Forget This Slide...

