MEETING OBJECTIVES

To discuss current techniques and challenges in spine surgery

To provide training and education for existing Innovasis spine systems and to introduce products in development

CHAIRMAN

Alan Moskowitz, MD Kansas Orthopedic Center Wichita, Kansas

FACULTY

Sigurd Berven, MD UCSF Medical Center San Francisco, California

William Bradley, MD Texas Back Institute Denton, Texas

Mohammed Diab, MD UCSF Benioff Children's Hospital San Francisco, California

Randy Dryer, MD Central Texas Spine Institute Austin, Texas

Brent Felix, MD Salt Lake Orthopedic Clini Salt Lake City, Utah

Rick Frisch, MD Southeastern Spine Institute Mount Pleasant, South Carolina

Chambliss Harrod, MD Bone & Joint Clinic of Baton Rouge Baton Rouge, Louisiana

Michael Scott Hisey, MD Texas Back Institute Denton, Texas

Rick Hostin, MD Southwest Scoliosis Institute Plano, Texas

Michael LaGrone, MD Amarillo Orthopaedic Specialists Amarillo, Texas William Lavelle, MD Upstate Medical University Svracuse. New York

Kevin McCarthy, MD Bone & Joint Clinic of Baton Rouge Baton Rouge, Louisiana

Jaren Riley, MD Rocky Mountain Pediatric Orthopedics Denver, Colorado

James Schwender, MD Twin Cities Spine Center Minneanolis Minnesota

Stephen Tolhurst, MD Texas Back Institute Denton. Texas

Paul Justin Tortolani, MD Towson Orthopaedic Associates Towson, Maryland

Clifford Tribus, MD UW Health Orthopedics Madison, Wisconsin

Eric Wieser, MD Arlington Orthopedic Associa Arlington, Texas

Kevin Yoo, MD Scripps Health San Diego, California

SPINE SYMPOSIUM SPINE CARE FROM CHILDHOOD TO OLD AGE

FEBRUARY 3 - 4, 2017 MONTAGE HOTEL AND RESORT DEER VALLEY, UTAH

AGENDA Friday - FEBRUARY 3, 2016

7:00 - 10:00 AM - Moderator: Dr. Michael LaGrone Deformity Challenges in the treatment of deformities in the growing child Fusionless surgery Growing rod vs. tethering - Mohammed Diab How to get better intra-operative correction in AIS Ponte and other osteotomies Reduction techniques - Jaren Riley Transition from adolescent to adult deformity What is the natural history of adolescent deformity into adulthood When to operate on the adolescent - when to wait until adulthood Examples of 1A and 3C curves - Sigurd Berven Case presentations Treatment of adult AIS -William LaVelle Spine surgery in the elderly - when to operate, or not -Rick Hostin Correction of adult degenerative scoliosis - case presentations All MIS -Rick Frisch Combined -Alan Moskowitz All open -Michael LaGrone Questions and case presentations -Faculty and Attendees Spinal Balance What is it? How do you measure it? - Sigurd Berven Relevance to pediatric surgeons - Mohammed Diab Relevance to adult deformity - Clifford Tribus Relevance to adult degenerative cases - Kevin McCarthy Questions, case presentations and discussion questions - William LaVelle Case presentations Lenke 5 - anterior or posterior - adolescent, adult, degenerative Lenke 1A vs. 3C Choosing distal end vertebra **Discussion questions** Ponte osteotomies - Is it overrated in AIS surgery? Should it be routine practice in AIS surgery? How much correction is necessary? Selective thoracic fusion for AIS - does it always work? Is there a place for anterior release for severe curves? Salvage of failure of growing systems

Thank you for attending



Innovasis offers a wide array of fusion devices and screw systems. With a constantly evolving and growing product portfolio, we're certain we have the instrumentation to fit your individual needs.



The Innovasis Opteryx plating system and the C-BOX interbody fusion device are perfect compliments to our growing portfolio.



The Innovasis Cranial System provides an assortment of plating and mesh fixation options for a wide range of treatments.



Innovasis proudly distributes some of the most widely used osteobiologics on the market today.

Visit www.innovasis.com to see our complete portfolio or talk to your Innovasis rep to learn more.

Spine Surgery Symposium - Notes

• AGENDA Friday - FEBRUARY 3, 2016

4:00 - 6:30 PM - *Moderator: Dr. Clifford Tribus* <u>Correction of the Rotational Deformity</u>

	Pediatric - To derotate the spine or not to derotate
	Pro
	- Jaren Riley
	Con
	- Mohammed Diab
	Adult - how I address the rotational prominence
	Surgical vs. not-necessary - All faculty discussion
	Discussion
	egenerative
	DDD - where does LBP come from - the evidence Surgical treatment for DDD
	- Eric Wieser
	ALIF
	- Alan Moskowitz
	TLIF/MIS
	- James Schwender XLIF
	- Stephen Tolhurst
	HA PEEK for interbody solutions
	- TBD
	Cases discussion

200

Dinner will be held in the Empire Lounge directly outside meeting space

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Spine Surgery Symposium - Notes

• AGENDA Saturday - FEBRUARY 4, 2017

<u>Complic</u>	<u>ations</u> - Moderator: Dr. Sigurd Berven
7:00-7:08	EOS - what are they and how to avoid them
7:08-7:16	- Jaren Riley Reducing complications in pediatric deformity surgery
	- Alan Moskowitz
7:16-7:24	Staying out of trouble in complex deformity surgery
7:24-7:32	MIS - complications in deformity surgery - William Clark
7:32-7:40	Proximal junctional kyphosis - 2017
	Can we prevent it? - Clifford Tribus
7:40-7:48	Cervico-thoracic operative management of PJK
	- Chambliss Harrod
7:48-7:56	Revision strategies in adult deformity surgery
7:56-8:04	- Sigurd Berven Handling intra-operative disaster
	- Paul Justin Tortolani
8:04-9:00	Case presentations
<u>Cervical</u>	- Moderator: Dr. Michael Scott Hisey
9:00-9:08	Cervical laminoplasty - indications and techniques
9:08-9:30	- Kevin Yoo Comissi Arthroplasty 2017
9.00-9.50	Cervical Arthroplasty - 2017 Round table discussion
	- Michael Scott Hisey
	- Richard Dryer
9:30-10:00	- William Bradley Case Presentations
0.00 10.00	
4:00 - 6	30 PM
	Case discussions
	- All faculty and attendees
6:30	Dinner will be held at the Goldener Hirsch
	Meet in the Montage
	lobby for shuttles

