



Knowledge Forum

Degenerative



Publication summary of AO Spine Knowledge Forum

Degenerative – Biologics Retrospective project

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Peer-reviewed Journal Articles:

1. Goz V, Buser Z, D'oro A, Wang C, Yoon ST, Park JB, Youssef JA, Meisel HJ, Wang JC, Brodke DS. *Complications and Risk Factors Using Structural Allograft Versus Synthetic Cage: Analysis 17 783 Anterior Cervical Discectomy and Fusions Using a National Registry*. Global Spine Journal 9(4): 388-392, 2019.

2. D'oro A, Buser Z, Brodke DS, Park JB, Yoon ST, Youssef JA, Meisel HJ, Radcliff KE, Hsieh P, Wang JC. *Trends and Costs of External Electrical Bone Stimulators and Grafting Materials in Anterior Lumbar Interbody Fusion*. Asian Spine J 12(6): 973-980, 2018.

3. Esmail N, Buser Z, Cohen JR, Brodke DS, Meisel HJ, Park JB, Youssef JA, Wang JC, Yoon ST. *Postoperative Complications Associated With rhBMP2 Use in Posterior/Posterolateral Lumbar Fusion*. Global Spine Journal 8(2): 142-148, 2018.

4. Lao L, Cohen JR, Buser Z, Brodke DS, Yoon ST, Youssef JA, Park JB, Meisel HJ, Wang JC. *Trends Analysis of rhBMP2 Utilization in Single-Level Anterior Lumbar Interbody Fusion in the United States*. Global Spine Journal 8(2): 137-141, 2018.

5. Martin CT, D'oro A, Buser Z, Youssef JA, Park JB, Meisel HJ, Brodke DS, Wang JC, Yoon ST. *Trends and Costs of Anterior Cervical Discectomy and Fusion: a Comparison of Inpatient And Outpatient Procedures*. Iowa Orthop J 38(167-176), 2018.

6. Hindoyan K, Tilan J, Buser Z, Cohen JR, Brodke DS, Youssef JA, Park JB, Yoon ST, Meisel HJ, Wang JC. *A Retrospective Analysis of Complications Associated With Bone Morphogenetic Protein 2 in Anterior Lumbar Interbody Fusion*. Global Spine Journal 7(2): 148-153, 2017.


7. Lao L, Cohen JR, Buser Z, Brodke DS, Youssef JA, Park JB, Yoon ST, Wang JC, Meisel HJ. *Trends Analysis of rhBMP Utilization in Single-Level Posterior Lumbar Interbody Fusion in the United States*. Global Spine Journal 7(7): 624-628, 2017.



8. Lord EL, Cohen JR, Buser Z, Meisel H-J, Brodke DS, Yoon ST, Youssef JA, Wang JC, Park J-B. *Trends, Costs, and Complications of Anterior Cervical Discectomy and Fusion With and Without Bone Morphogenetic Protein in the United States Medicare Population*. Global Spine Journal 7(7): 603-608, 2017.



9. Myhre SL, Buser Z, Meisel HJ, Brodke DS, Yoon ST, Wang JC, Park JB, Youssef JA. *Trends and Cost of Posterior Cervical Fusions With and Without Recombinant Human Bone Morphogenetic Protein-2 in the US Medicare Population*. Global Spine Journal 7(4): 334-342, 2017.



10. Takahashi S, Buser Z, Cohen JR, Roe A, Myhre SL, Meisel HJ, Brodke DS, Yoon ST, Park JB, Wang JC, Youssef JA. *Complications Related to the Recombinant Human Bone Morphogenetic Protein 2 Use in Posterior Cervical Fusion*. Clin Spine Surg 30(9): E1269-E1273, 2017.



11. Lao L, Cohen JR, Lord EL, Buser Z, Wang JC. *Trends analysis of rhBMP utilization in single-level posterior lumbar fusion (PLF) in the United States*. Eur Spine J 25(3): 783-788, 2016.



12. Ruofeng Y, Cohen JR, Buser Z, Yoon ST, Meisel HJ, Youssef JA, Park JB, Wang JC, Brodke DS. *Trends of Posterior Long Segment Fusion with and without Recombinant Human Bone Morphogenetic Protein 2 in Patients with Scoliosis*. Global Spine Journal 6(5): 422-431, 2016.



13. Yao Q, Cohen JR, Buser Z, Park JB, Brodke DS, Meisel HJ, Youssef JA, Wang JC, Yoon ST. *Analysis of Recombinant Human Bone Morphogenetic Protein-2 Use in the Treatment of Lumbar Degenerative Spondylolisthesis*. Global Spine Journal 6(8): 749-755, 2016.



Conference Proceedings:

Podium Presentations

1. Alam M, Yoon ST, Formanek B, Meisel HJ, Park JB, Youssef J, Brodke D, Hsieh P, Wang JC, Buser Z. *Correlation between Hemoglobin A1c and rates of infection/wound complications following cervical or lumbar discectomy* Global Spine Congress 2019, Toronto, ON, Canada, May 15-18, 2019.

2. D'oro A, **Buser Z**, Park J-B, Yoon ST, Brodke D, Youssef J, Meisel H-J, Radcliff K, Hsieh P, Wang J. *Trends and costs of external electric bone stimulators and grafting materials in anterior lumbar interbody fusion*. Global Spine Congress 2017, Milan, Italy, May 2-5, 2017.

3. **Buser Z**, Brodke D, Esmail N, Meisel H, Park J, Myhre S, Youssef J, Wang J, Yoon T. *Postoperative complications associated with rhBMP2 use in posterior lumbar fusion*. Global Spine Congress 2016, Dubai, United Arab Emirates, April 13-16, 2016.