

Publikationen/Forschungsprojekte – Paul Borbas

Published/accepted: 51 (44 originals)

First/senior original

23

Co-author original

21

Technique/Case report/review

7

1. Publications in peer-reviewed Journals

1. Accuracy of anterolateral versus posterolateral subtalar injection.
Kraus T, Heidari N, **Borbas P**, Clement H, Grechenig W, Weinberg AM. Arch Orthop Trauma Surg. 2011 Jun;131(6):759-63.
2. The influence of ultrasound guidance in the rate of success of acromioclavicular joint injection: an experimental study on human cadavers.
Borbas P, Kraus T, Clement H, Grechenig S, Weinberg AM, Heidari N. J Shoulder Elbow Surg. 2012 Dec;21(12):1694-7.
3. Evaluating the tibial and femoral insertion site of the anterior cruciate ligament using an objective coordinate system: a cadaver study.
Sadoghi P, **Borbas P**, Friesenbichler J, Scheipl S, Kastner N, Eberl R, Leithner A, Gruber G. Injury. 2012 Oct;43(10):1771-5.
4. Radiodense ligament markers for radiographic evaluation of anterior cruciate ligament reconstruction.
Borbas P, Wieser K, Rahm S, Fucentese SF, Koch PP, Meyer DC. Knee. 2014 Dec;21(6):1018-22.
5. Conversion of stemmed hemi- or total to reverse total shoulder arthroplasty: advantages of a modular stem design.
Wieser K, **Borbas P**, Ek ET, Meyer DC, Gerber C. Clin Orthop Relat Res. 2015 Feb;473(2):651-60.
6. Arthroscopic rotator cuff repair in the weight-bearing shoulder.
Kerr J, **Borbas P**, Meyer DC, Gerber C, Buitrago Téllez C, Wieser K. J Shoulder Elbow Surg. 2015 Dec;24(12):1894-9.
7. Treatment of proximal phalangeal fractures with an antegrade intramedullary screw: a cadaver study.
Borbas P, Dreu M, Poggetti A, Calcagni M, Giesen T. J Hand Surg Eur Vol. 2016 Sep;41(7):683-7.

8. Influence of Plate Size and Design upon Healing of Ulna-Shortening Osteotomies.
Jungwirth-Weinberger A, **Borbas P**, Schweizer A, Nagy L.
J Wrist Surg. 2016 Nov;5(4):284-289.
9. Correlation of Systemic Inflammatory Markers With Radiographic Stages of Charcot Osteoarthropathy.
Hingsammer AM, Bauer D, Renner N, **Borbas P**, Boeni T, Berli M. Foot Ankle Int. 2016 Sep;37(9):924-8.
10. Guided growth with tension band plate or definitive epiphysiodesis for treatment of limb length discrepancy?
Borbas P, Agten CA, Roskopf AB, Hingsammer A, Eid K, Ramseier LE. J Orthop Surg Res. 2019 Apr 11;14(1):99.
11. When is early return too early? Clavicle plate fixation in Australian Rules football athletes: A retrospective review of cases.
Ricks M, **Borbas P**, Perret M, Warby S, Hoy G
F1000Research 2019 Sep; 8: 1615
12. Surgical management of chronic high-grade acromioclavicular joint dislocations: a systematic review.
Borbas P, Churchill J, Ek ET.
J Shoulder Elbow Surg. 2019 Oct;28(10):2031-2038.
13. Scarf osteotomy for hallux valgus deformity: Radiological outcome, metatarsal length and early complications in 118 feet.
Lenz CG, Niehaus R, Knych I, Eid K, **Borbas P**.
Foot Ankle Surg. 2020 Jan 9;S1268-7731(20)30004-7.
14. Innervation of the acromioclavicular joint by the suprascapular nerve.
Borbas P, Eid K, Ek ET, Feigl G.
Shoulder Elbow. 2020 Jun;12(3):178-183.
15. Cartilage and extensor tendon defects after headless compression screw fixation of phalangeal and metacarpal fractures.
Urbanschitz L, Dreu M, Wagner J, Kaufmann R, Jeserschek JM, **Borbas P**. J Hand Surg Eur Vol. 2020 Jul;45(6):601-607.
16. Risk factors for secondary displacement in conservatively treated proximal humeral fractures.
Frank FA, Niehaus R, **Borbas P**, Eid K.
Bone Joint J. 2020 Jul;102-B(7):881-889.
17. Long-term clinical and radiological results after hook plate osteosynthesis of lateral clavicle fractures.
Baunach D, Eid K, Ricks M, **Borbas P**.
J Orthop Trauma. 2020 Nov 9. Online ahead of print.

18. Biomechanical analysis of arthroscopically assisted latissimus dorsi transfer fixation for irreparable posterosuperior rotator cuff tears-Knotless versus knotted anchors. Ernstbrunner L, **Borbas P**, Rohner M, Brun S, Bachmann E, Bouaicha S, Wieser K J Orthop Res. 2020 Dec 17. Online ahead of print.
19. A cadaveric study of the three different palpation-guided techniques for glenohumeral joint injections
Borbas P, Eid K, Ek ET, Ricks M, Feigl G, Jeserschek JM. Shoulder Elbow. 2020 Dec;12(6):399-403.
20. Biomechanical stability of simple coronal shear fracture fixation of the capitellum. **Borbas P**, Vetter M, Loucas R, Hofstede S, Wieser K, Ernstbrunner L J Shoulder Elbow Surg. 2021 Jan 30:S1058-2746(21)00057-4.
21. Acromioclavicular joint stabilization with a double cow-hitch technique compared to a double Tight-Rope: a biomechanical study
Borbas P, Angelella D, Laux CJ, Bachmann E, Ernstbrunner L, Bouaicha S, Wieser K Arch Orthop Trauma Surg. 2021 Jan 21. Online ahead of print.
22. Medium-term clinical and radiological results of an all-polyethylene, pegged, bone ingrowth glenoid component.
Borbas P, Taylor DM, Lee S, Wirejatna M, GH Hoy, Evans MC J Bone Joint Surg Am. 2021 Feb 3;103(3):251-256.
23. Influence of Parkinson's disease on outcome and complication rate of reverse total shoulder arthroplasty – a matched group analysis
Borbas P, Kriechling P, Fehler S, Bouaicha S, Wieser K Orthopedics 2021 Mar-Apr;44(2):86-91.
24. Factors Influencing Functional Internal Rotation after Reverse Total Shoulder Arthroplasty Hochreiter B, Hasler A, Hasler J, Kriechling P, **Borbas P**, Gerber C JSES Int. 2021 Apr 20;5(4):679-687.
25. Anatomical study of the teres major muscle: description of an additional distal muscle slip Ernstbrunner L, Jessen M, Rohner M, Dreu M, Bouaicha S, Wieser K, **Borbas P** BMC Musculoskelet Disord. 2021 Apr 16;22(1):359.
26. Biomechanical comparison of intramedullary screw fixation, dorsal plating and K-wire fixation for stable metacarpal shaft fractures.
Galbraith JG, Huntington LS, **Borbas P**, Ackland DC, Tham SK, Ek ET. J Hand Surg Eur Vol. 2021 May 21:17531934211017705. Online ahead of print.
27. High-Strength Suture Tapes Are Biomechanically Stronger Than High-Strength Sutures Used in Rotator Cuff Repair.
Borbas P, Fischer L, Ernstbrunner L, Hoch A, Bachmann E, Bouaicha S, Wieser K Arthrosc Sports Med Rehabil. 2021 Jun 15;3(3):e873-e880.

28. Biomechanical stability of complex coronal plane fracture fixation of the capitellum. **Borbas P**, Loucas R, Loucas M, Vetter M, Hofstede S, Ernstbrunner L, Wieser K Arch Orthop Trauma Surg. 2021 Aug 23.
29. Cow-hitch fixation in fracture hemiarthroplasty.
Grubhofer F, Ernstbrunner L, Bachmann E, Wieser K, **Borbas P**, Bouaicha S, Warner JJP, Gerber C. JSES Int. 2021 Sep 11;5(6):1027-1033.
30. Fixation of distal clavicle fractures with coracoclavicular instability: a comparative biomechanical study in human cadavers.
Laux CJ, **Borbas P**, Villefort C, Hofstede S, Ernstbrunner L, Wieser K JSES Int. 2021 Sep 24;6(1):144-148.
31. Arthroscopic single anchor repair techniques for upper third subscapularis tears provide sufficient biomechanical stability.
Borbas P, Cammarata S, Hofstede S, Imhoff F, Ernstbrunner L, Wieser K Knee Surgery, Sports Traumatology, Arthroscopy 2021 Nov 25.
32. Incidence, radiographic predictors and clinical outcome for acromial stress reaction and acromial fractures in reverse total shoulder arthroplasty.
Kriechling P, Hodel S, Paszicsnyek A, Schwihla I, **Borbas P**, Wieser K J Shoulder Elbow Surg. 2021 Dec 27:S1058-2746(21)00860-0.
33. Structural and Functional Results of Subscapularis and Conjoint Tendon After Latarjet Procedure at 8-Year Average Follow-up.
Azizi S, Urbanschitz L, Bensler S, Lenz CG, **Borbas P**, Eid K Am J Sports Med. 2022 Feb;50(2):321-326.
34. Risk Factors for Dislocation after Reverse Total Shoulder Arthroplasty: A Systematic Review and Meta-Analysis
Borbas P, Vetter M, Loucas M, Loucas R, Ernstbrunner L, Wieser K Orthopedics 2022 Apr 6:1-6.
35. Early return to play after acromioclavicular joint stabilisation in collision athletes
Borbas P, Warby S, Yalizis M, Smith M, Hoy G. Orthopaedic Journal of Sports Medicine 2022 Apr 6;10(4):23259671221085602.
36. Biomechanical Analysis of the Posterior Open-wedge Osteotomy and Glenoid Concavity Reconstruction Using an Implant-free, J-shaped Iliac Crest Bone Graft
Ernstbrunner L, **Borbas P**, Ker AM, Imhoff FB, Bachmann E, Snedeker JG, Wieser K, Bouaicha S. Am J Sports Med. 2022 Dec;50(14):3889-3896.
37. Acromial Morphology and Its Relation to the Glenoid Is Associated with Different Partial Rotator Cuff Tear Patterns.
Borbas P, Hartmann R, Ehrmann C, Ernstbrunner L, Wieser K, Bouaicha S. J Clin Med. 2022 Dec 28;12(1):233.
38. Greater Tuberosity Fractures after RTSA: A Matched Group Analysis.

Selman F, Kriechling P, Ernstbrunner L, Wieser K, **Borbas P**.

J Clin Med. 2023 Feb 1;12(3):1153.

39. MRI findings of traumatic and degenerative rotator cuff tears and introduction of the "Cobra sign"

Furrer PR, **Borbas P**, Egli RJ, Zindel C, Wieser K, Bouaicha S

JSES Int. 2023 Mar 22;7(4):550-554

40. Reverse Total Shoulder Arthroplasty for Proximal Humeral Fractures and Sequelae Compared to Non-Fracture Indications: A Matched Cohort Analysis of Outcome and Complications

Paszicsnyek A, Kriechling P, Razaieian S, Ernstbrunner L, Wieser K, **Borbas P**

J Clin Med. 2023 Mar 7;12(6):2097

41. Predictive factors of acromial fractures following reverse total shoulder arthroplasty: A Subgroup Analysis of 860 shoulders Kriechling P, **Borbas P** et al.

JSES Int. 2023 May 19;7(5):812-818

42. Structural Musculotendinous Parameters Predicting Failed Tendon Healing after Rotator Cuff Repair

Olthof M, **Borbas P** et al

Orthopedic Journal of Sports Medicine – accepted 08/2023

43. Stability of novel cow-hitch suture button coracoid bone graft fixation in Latarjet procedures:

a biomechanical study

Meisterhans M, **Borbas P** et al.

JSES – 2024 Mar;33(3):610-617

44. Functional and radiological outcomes of degenerative versus traumatic full-thickness rotator cuff tears involving the supraspinatus tendon Baum C, **Borbas P** et al.

Am J Sports Med. - 2024 Feb;52(2):441-450

2. Case Reports

1. Clonality assessment in a case of multifocal adamantinoma and a review of the literature.

Borbas P, Leithner A, Sadoghi P, Berndt A, Liegl B, Haas OA.

Case Rep Med. 2012;2012:605685.

3. Technical Notes

1. Lateral patellofemoral ligament reconstruction using a free gracilis autograft.

Borbas P, Koch PP, Fucentese SF.

Orthopedics. 2014 Jul;37(7):e665-8.

2. Radio-scapho-capitate ligament reconstruction during proximal row carpectomy.

Haefeli M, **Borbas P**.

J Hand Surg Eur Vol. 2018 Sep;43(7):776-778.

3. Arthroscopic Knotless Repair of Complete Full-Thickness Tears of the Subscapularis Tendon Through a Single Portal.

Ek ET, Perret MC, **Borbas P**.

Arthrosc Tech. 2020 Mar 3;9(4):e439-e443.

4. Reviews

1. Surgical Treatment Options for Partial Rotator Cuff Tears: A Review of the Literature. **Borbas P**, Hoy GA

International Journal of Orthopaedics 6 (1), 1032-1038

2. Fixationssysteme und Techniken zur arthroskopischen Rotatorenmanschettenrekonstruktion

Borbas P, Wieser K, Grubhofer F

Arthroskopie 2021 Feb, 1-7

3. Prosthesis Designs and Tuberosity Fixation Techniques in Reverse Total Shoulder Arthroplasty: Influence on Tuberosity Healing in Proximal Humerus Fractures. Jo O, **Borbas P**, Grubhofer F, Ek ET, Pullen C, Treseder T, Ernstbrunner L J Clin Med. 2021 Sep 14;10(18):4146.

Manuscripts submitted: 1

Surgical treatment of Neer type V lateral clavicle fractures – a comparative biomechanical study in human cadavers

Borbas et al – Minor revision 07/2023 (JSES Int)

Manuscripts ready: 2

Anatomic risk factors for anterior pulley lesions with superior border subscapularis tears Borbas et al - Manuscript ready, submission (JSES)

Influence of NSAIDs on rotator cuff healing – a multicenter study

Borbas et al – ARCR multicenter study, manuscript written (first draft)

Further projects: 6

Influence of statins on rotator cuff healing – a multicenter study

Borbas et al – ARCR multicenter study (start 06/2020), ongoing

Transtendon repair versus take-down and repair in partial rotator cuff tears – a multicenter study

Borbas et al – ARCR multicenter study (start 06/2020), ongoing

Hip abductor muscle contribution – an experimental approach

Borbas et al. – manuscript writing, submission soon

Hip abductor muscle deficiency – analysis of transfer options

Borbas et al. – manuscript writing, submission soon

Patellofemoral joint biomechanics and pressure patterns: establishment of an in-vitro model for in vivo use

Borbas et al – ethics successful, start soon

Assessment of medial and lateral elbow stability

Borbas et al – data analysis 08/2023