

balanSys Bicondylar: Publications

Year	Title	Publication type	Medium	Authors	Link
2018	Similar outcome during short-term follow-up after coated and uncoated total knee arthroplasty: a randomized controlled study	Publication	Knee Surg Sports Traumatol Arthrosc. 2018 Apr 3. doi: 10.1007/s00167-018-4928-0. [Epub ahead of print]	Postler A, Beyer F, Lützner C, Tille E, Lützner J.	Link
2017	Superior long-term survival for fixed bearing compared with mobile bearing in ligament-balanced total knee arthroplasty.	Publication	Knee Surg Sports Traumatol Arthrosc. 2017 Apr 7. doi: 10.1007/s00167-017-4542-6. [Epub ahead of print]	Heesterbeek P, van Houten AH, Klenk J, Eijer H, Christen B, Wymenga AB, Schuster AJ.	Link
2016	The need for secondary resurfacing is affected by trochlear height in total knee arthroplasty	Publication	Knee Surg Sports Traumatol Arthrosc. 2016 Sep 13. DOI 10.1007/s00167-016-4319-3	Werth L, Saffarini M, Amsler F, Abdelkafy A, Hirschmann M	Link
2015	Cruciate-sacrificing total knee arthroplasty and insert design: A radiologic study of sagittal laxity.	Publication	Orthop Traumatol Surg Res. 2015 Nov 19. pii: S1877-0568(15)00276-5. doi: 10.1016/j.otsr.2015.07.024. [Epub ahead of print]	Appy Fedida B, Krief E, Havet E, Massin P, Mertl P	Link
2015	Patella position is not a determinant for anterior knee pain 10 years after balanced gap total knee arthroplasty	Publication	Knee Surg Sports Traumatol Arthrosc. 2015 Dec 24. [Epub ahead of print]	van Houten A.H., Heesterbeek P, Wymenga A	Link
2012	PVD-Silikat-Beschichtung für die verbesserte Zementhaftung auf Endoprothesen aus ATZ-Dispersionskeramik	Publication	Z Orthop Unfall. 2012;150: 40-47	Marx R, Faramarzi R, Oberbach T, Begand S, Grätz N, Wirtz D	Contact
2011	Functional performance of mobile versus fixed bearing total knee prostheses; a randomised controlled trail	Publication	Knee Surg Sports Traumatol Arthrosc. 2011; XX	Jacobs WC, Christen B, Wymenga AB, Schuster A, van der Schaaf D, Ten Ham A, Wehrli U	Link
2011	Anteroposterior stability after posterior cruciate-retaining total knee arthroplasty	Publication	Knee Surg Sports Traumatol Arthrosc. 2011; 19(7): 1113-1120	Schuster AJ, von Roll AL, Pfluger D, Wyss T	Link
2010	Posterior cruciate ligament recruitment affects antero-posterior translation during flexion gap distraction in total knee replacement. An intraoperative study involving 50 patients	Publication	Acta Orthopædica. 2010; 81(4): 471-477	Heesterbeek P, Keijsers N, Jacobs W, Verdonschot N, Wymenga A	Link

2010	Anterolateral approach with tibial tubercle osteotomy versus standard medial approach for primary total knee arthroplasty: does it matter?	Publication	BMC Musculoskelet Disord. 2010; 11:167	Hirschmann M, Hoffmann M, Krause R, Jenabzadeh RA, Arnold M, Friedrich N	Link
2010	Correction of axial and rotational alignment after medial and lateral releases during balanced gap TKA - A clinical study of 54 patients	Publication	Acta Orthopedica. 2010; 81(3): 347-353	Heesterbeek P, Wymenga A	Link
2010	Ligament releases do not lead to increased postoperative varus-valgus laxity in flexion and extension: a prospective clinical study in 49 TKR patients	Publication	Knee Surg Sports Traumatol Arthrosc. 2010; 18: 187-193.	Heesterbeek P, Keijsers N, Wymenga A	Link
2009	An aluminium mold for intraoperative production of antibiotic-loaded PMMA knee prostheses	Publication	Acta Orthopedica. 2009; 80(3): 1-3	Kohl S, Krueger A, Roeder C, Hartel M, Kohlhof H, Schneider C, Eggli S	Link
2009	Effects of the balanced gap technique on femoral component rotation in TKA	Publication	Clin Orthop Relat Res. 2009. 467:1015-1022	Heesterbeek PJ, Jacobs WC, Wymenga AG	Link
2008	Tension controlled ligament balanced total knee arthroplasty: 5-year results of a soft tissue orientated surgical technique	Publication	Arch Orthop Trauma Surg. 2008; 128: 129-135.	Wyss T, Schuster AJ, Christen B, Wehrli U	Link
2007	A comparison of reproducibility of measurement techniques for patella position on axial radiographs after total knee arthroplasty	Publication	Knee. 2007; 14(5): 411-416.	Heesterbeek P, Beumers M, Jacobs W, Havinga M, Wymenga A	Link
2007	Posterior cruciate ligament balancing in total knee replacement (the quantitative relationship between tightness of the flexion gap and tibial translation)	Publication	J Bone Joint Surg [Br]. 2007; 89(8): 1046-1050.	Christen U, Heesterbeek P, Wymenga A, Wehrli U	Link
2007	The anterior-posterior laxity after total knee arthroplasty inserted with a ligament tensor	Publication	Knee Surg Sports Traumatol Arthrosc. 2007; 15: 1019-1022.	van Hal CTH, van Hellemond GG, Wymenga A, Jacobs W	Link
2006	Does total knee joint replacement with the soft tissue balancing surgical technique maintain the natural joint line?	Publication	Arch Orthop Trauma Surg. 2006; 126: 480-486.	Wyss TF, Schuster AJ, Munger P, Pfluger D, Wehrli U	Link

2006	Three-dimensional kinematics and kinetics of total knee arthroplasty during level walking using single plane video-fluoroscopy and force plates: A pilot study	Publication	Gait Posture. 2006; 24(4): 475-81.	Zihlmann MS, Gerber H, Stacoff A, Burckhardt K, Székely G, Stüssi E	Link
2005	Knee endoprosthetics: calibrated ligament tensor ensures optimal soft tissue balancing	Publication / white paper	Orthopaedics Today International. September 2005.	Wehrli U	Contact

balanSys Bicondylar: Congress Presentations, Congress Posters and other References

Year	Title	Publication type	Medium	Authors	Link
2015	Fixed bearing ligament balanced TKA shows better survival but similar clinical outcome compared with AP-glide bearing	Congress Poster	ICJR, 16.-18.04.2015, Paris	Heesterbeek P, von Houten A, Klenk J, Eijer H, Christen B, Wymenga A, Schuster A	
2015	Incidence and determinants of anterior knee pain 11 years after balanced gap total knee arthroplasty	Congress Poster	ICJR, 16.-18.04.2015, Paris	van Houten A.H., Heesterbeek P, Wymenga A	
2015	10 years after balanced gap total knee arthroplasty	Congress presentation	DKOU, 20.-23.10.2015, Berlin, Germany	Frahm H, Ganzer D	
2015	Fixed Bearing Ligament Balanced TKA Shows Better Survival But Similar Clinical Outcome Than AP-Glide Bearing	Congress presentation	EFORT, 27.-29.05.2015, Prague	Schuster A, Heesterbeek P, van Houten A, Wymenga A, Eijer B	
2014	Long-term results of the tension controlled, ligament balanced total knee arthroplasty	Congress poster	ESSKA. 14-17 May 2014, Amsterdam, Netherlands	Klenk J, Christen B, Eijer H, Schuster A	
2013	10 year results of the tension controlled, ligament balanced total knee arthroplasty	Congress presentation	SGOT, 26.-28.06.2013 Lausanne, Switzerland	Klenk J, Christen B, Eijer H, Schuster A	
2013	Long-term results of a tension controlled ligament balanced total knee arthroplasty	Data on file	White paper Mathys Ltd. Bettlach	Klenk J, Christen B, Eijer H, Schuster A	
2011	Klinische Resultate einer neuen posterior stabilisierten Knie-TEP - eine Multicenter-Studie	Congress presentation	DKOU. 25.-28.10.2011, Berlin, Germany	Krause R, Casteleyn P, Ganzer D, Bayer-Helms H	
2011	Posterior stabilised implants in primary total knee replacement	Congress presentation	SICOT. 06.-09.09.2011, Prague, Czech Republic	Casteleyn P, Ganzer D, Krause R, Bayer-Helms H	

2010	Posterior stabilised implants in primary total knee replacement	Congress poster	SIOT. 20.-24.11.2010, Roma, Italy	Casteleyn P, Ganzer D, Bayer-Helms H, Krause R	
2010	Posterior stabilised implants in primary total knee replacement	Congress poster	ESSKA. 09.-12.06.2010, Oslo, Norway	Casteleyn P, Ganzer D, Bayer-Helms H, Krause R	
2010	Patellar tracking is not influenced by femoral component rotation after total knee replacement with the balanced gap technique	Congress poster	ESSKA. 09.-12.06.2010, Oslo, Norway	Heesterbeek P, Keijsers N, Verdonschot N, Wymenga A	
2010	Comparison of outcomes of medial parapatellar vastus split versus lateral parapatellar subvastus approach with tibial tubercle osteotomy for primary TKA	Congress poster	ESSKA. 09.-12.06.2010, Oslo, Norway	Hirschmann M, Krause R, Freidrich N	
2010	Comparison of three different polyethylene designs in artificial knee joints. First clinical results	Congress poster	ESSKA. 09.-12.06.2010, Oslo, Norway	Krause R	
2009	Klinische Resultate in der Knie-Endoprothetik mit verschiedenen Poly-Designs	Congress presentation	57. Jahrestagung der Vereinigung Süddeutscher Orthopäden. 30.04.-03.05.2009, Baden-Baden, Germany	Krause R	
2009	Drei unterschiedliche Polyethylendesigns im künstlichen Kniegelenk im Vergleich - erste klinische Resultate	Congress presentation	DKOU. 21.-24.10.2009, Berlin, Germany	Krause R	
2008	Ligament balancing total knee arthroplasty - A prospective clinical and radiological evaluation	Congress poster	Efort. 19.05.-01.06.2008, Nice, France.	Hirschmann MT, Hoffmann M, Helfrich C, Friedrich NF	
2008	Dynamic in-vivo behaviour of a novel tibial insert design for TKA.	Congress poster	ESSKA. 21.-24.05.2008, Porto, Portugal.	Wyss T, Schuster A, Butscher A, Fankhauser C	
2008	In vivo varus and valgus laxity in flexion and extension during navigated total knee replacement	Congress poster	ESSKA. 21.-24.05.2008, Porto, Portugal.	Heesterbeek PJC, Keijsers NLW, Jacobs WCH, Verdonschot N, Wymenga AB	

2008	Functional performance of mobile versus fixed bearing total knee prostheses; a multicenter, randomised controlled trial	Congress presentation	ESSKA. 21.-24.05.2008, Porto, Portugal.	Jacobs WC, Christen B, Wymenga AB, Schuster A, van der Schaaf D, ten Ham A, Wehrli U	
2008	Quantitative flexion gap dynamics during computer navigated ligament-guided total knee arthroplasty	Congress presentation	ESSKA. 21.-24.05.2008, Porto, Portugal.	Heesterbeek P, Keijsers N, Jacobs W, Verdonschot N, Wymenga A	
2007	Quantitative flexion gap dynamics during computer navigated ligament-guided total knee arthroplasty	Book abstract	CAOS. 20.-23.06.2007, Heidelberg, Germany.	Heesterbeek P, Keijsers N, Jacobs W, Verdonschot N, Wymenga A	
2007	Die intraoperative Kompartiment-Druckmessung mittels Sensortechnik bei der Balancierten Knieprothese	Congress poster	DGOOC. 24.-27.10.2007 Berlin, Germany.	Hartel MJ, Kohlhof H, Kowal J, Sarfert S, Eggli S	
2007	Ligament balancing total knee arthroplasty with a rotating platform - Early prospective clinical and radiological results	Congress presentation	SGO. 19.-21.09.2007, Montreux, Switzerland.	Hirschmann M	
2007	Midterm results and stability measurements after total knee arthroplasty using the ligament balancing technique - A prospective study	Congress presentation	Efort. 11.-15.05.2007, Florenz, Italy.	Schuster AJ, von Roll A, Wyss T	
2007	Flexion and extension laxity in the ligament-guided total knee arthroplasty using 150 N in extension and 100 N in flexion	Congress presentation	ISAKOS. 27.-31.05.2007, Florenz, Italy.	Heesterbeek P, Wymenga A	
2007	Knee laxity in flexion and extension in older healthy subjects with normal knee joints	Congress presentation	ISAKOS. 27.-31.05.2007, Florenz, Italy.	Heesterbeek P, Wymenga A	
2007	Reproducibility of measurement techniques for patella position on axial radiographs after total knee arthroplasty	Congress presentation	ISAKOS. 27.-31.05.2007, Florenz, Italy.	Beumers M, Heesterbeek P, Jacobs W, Havinga M, Wymenga A	
2007	In vivo effects of medial ligament releases on extension and flexion gap changes in ligament-guided total knee arthroplasty	Congress presentation	ISAKOS. 27.-31.05.2007, Florenz, Italy.	Heesterbeek P, Wymenga A	

2006	Does total knee joint replacement with the soft tissue balancing surgical technique guarantee the exact reconstruction to the natural joint line?	Congress Poster	ESSKA. 24.-27.05.2006, Innsbruck, Austria.	Wehrli U, Wyss T, Schuster A, Munger P, Pfluger D	
2006	An experimental study about soft tissue releases performed during TKA surgery by using a novel hydraulic tensioner in normal human cadaver knees	Congress poster	ESSKA. 24.-27.05.2006, Innsbruck, Austria.	Wyss T, Schuster A, Fankhauser C, Wehrli U	
2006	BalanSys mobile bearing vs. balanSys fixed bearing - Quantitative Bewegungsanalyse mit Fluoroscopy Integrated Motion Acquisition	Data on file	Dissertation.	Zihlmann M, List R, Stussi E	
2005	Total Knee Arthroplasty. A Guide to Better Performance	Book chapter	New York, NY: Springer-Verlag; 2005: 303-310.	Bellemans J, Ries MD, Victor J, eds	
2005	BalanSys bicondylar: 5-year results of a soft-tissue-oriented total knee arthroplasty	Congress presentation	SGO. 07.-09.09.2005, Zurich, Switzerland.	Wyss TF, Schuster A, Christen B, Wehrli U	
2005	BalanSys bicondylar: 5 Jahres Resultate einer weichteilorientierten Knieendoprothetik.	Congress presentation	SGO. 07.-09.09.2005, Zurich, Switzerland.	Wyss TF, Schuster A, Christen B, Wehrli U	
2005	BalanSys RP: Design aspects and tribological investigations	Data on file	White paper Mathys Ltd. Bettlach + Dr Robert Mathys Foundation.	Fankhauser C, Frauchiger V, Gasser B	
2004	6 Jahre Erfahrungen mit balanSys	Book chapter	Buchreihe fur Orthopadie und orthopadische Grenzgebiete; Ersatz der grossen Gelenke; Medizinisch Literarische Verlagsgesellschaft MBH, Uelzen; Band 19 (15-18); ISBN 3-88136-227-4.	Christen B, Schuster A, Thomann SR, Wehrli U	
2004	Die weichteilorientierte Implantation der Knieendoprothese	Book chapter	Buchreihe fur Orthopadie und orthopadische Grenzgebiete; Ersatz der grossen Gelenke; Medizinisch Literarische Verlagsgesellschaft MBH, Uelzen; Band 19 (19-25); ISBN 3-88136-227-4.	Christen B, Wehrli U	
2002	Stress analysis in the balanSys mobile bearing design	Congress poster	balanSys Knee Launch Symposium, 15.-17.03.2002, Lucerne, Switzerland.	Walsh WR	
2002	Clinical results after total knee arthroplasty with the balanSys knee prosthesis of the Mathys medical Ltd. company	Data on file	Summary of dissertation.	Kraus S, Bosch U	