

Publikationen und Vorträge

PD Dr. med. Florian Naal

Originalarbeiten (peer-reviewed)

Casartelli NC, Maffiuletti NA, Brunner R, Büchi M, Sutter R, Pfirrmann CW, **Naal FD**, Leunig M, Bizzini M. Clinical Rating of Movement-Pattern Quality in Patients With Femoroacetabular Impingement Syndrome: A Methodological Study. *J Orthop Sports Phys Ther.* 2018;48:260-269.

Casartelli NC, Bizzini M, Kemp J, **Naal FD**, Leunig M, Maffiuletti NA. What treatment options exist for patients with femoroacetabular impingement syndrome but without surgical indication? *Br J Sports Med.* 2018;52:552-553.

Naal FD, Müller A, Varghese VD, Wellauer V, Impellizzeri FM, Leunig M. Outcome of hip impingement surgery – does generalized joint hypermobility matter? *Am J Sports Med* 2017;45:1309-1314.

Kierkegaard S, Langeskov-Christensen M, Lund B, **Naal FD**, Mechlenburg I, Dalgas U, Casartelli NC. Pain, activities of daily living and sport function at different time points after hip arthroscopy in patients with femoroacetabular impingement: a systematic review with meta-analysis. *Br J Sports Med.* 2017;51:572-579.

Casartelli NC, Maffiuletti NA, Bizzini M, Kelly BT, **Naal FD**, Leunig M. The management of symptomatic femoroacetabular impingement: what is the rationale for non-surgical treatment? *Br J Sports Med* 2016;50:511-2.

Salzmann GM, Preiss S, Harder LP, **Naal FD**. Inside-Out Trans-Arthroscopic Drain Application During Knee Joint Arthroscopy. *Arthrosc Tech* 2015;4:e643-6.

Mannion AF, Impellizzeri FM, **Naal FD**, Leunig M. Women Demonstrate More Pain and Worse Function Before THA but Comparable Results 12 Months After Surgery. *Clin Orthop Relat Res* 2015;473:3849-57.

Naal FD, Dalla Riva F, Wuerz TH, Dubs B, Leunig M. Sonographic prevalence of groin hernias and adductor tendinopathy in patients with femoroacetabular impingement. *Am J Sports Med* 2015;43:2146-51.

Naal FD, Impellizzeri FM, Lenze U, Wellauer V, von Eisenhart-Rothe R, Leunig M. Clinical improvement and satisfaction after total joint replacement: a prospective 12-month evaluation on the patients' perspective. *Qual Life Res* 2015;24:2917-25.

Impellizzeri FM, **Naal FD**, Mannion AF, Leunig M. Preferred patient-rated outcome measure in patients with femoroacetabular impingement: a comparison between selected instruments. *Journal of Hip Preservation Surgery* 2015;2:364-8.

Impellizzeri FM, Mannion AF, **Naal FD**, Leunig M. Validation of the Core Outcome Measures Index in Patients With Femoroacetabular Impingement. *Arthroscopy* 2015;31:1238-46.

Miozzari HH, Celia M, Clark JM, Werlen S, **Naal FD**, Nötzli HP. No regeneration of the human acetabular labrum after excision to bone. *Clin Orthop Relat Res* 2015;473:1349-57.

Naal FD, Impellizzeri FM, Torka S, Wellauer V, Leunig M, von Eisenhart-Rothe R. The German Lower Extremity Functional Scale (LEFS) is reliable, valid and responsive in patients undergoing hip or knee replacement. *Qual Life Res* 2015;24:405-10

Impellizzeri FM, Mannion AF, **Naal FD**, Leunig M. Validity, reproducibility, and responsiveness of the oxford hip score in patients undergoing surgery for femoroacetabular impingement. *Arthroscopy* 2015;31:42-50.

Naal FD, Hatzung G, Müller A, Impellizzeri F, Leunig M. Validation of a self-reported Beighton score to assess hypermobility in patients with femoroacetabular impingement. *Int Orthop* 2014;38:2245-2250.

Naal FD, Schär M, Miozzari HH, Nötzli HP. Sports and activity levels after open surgical treatment of femoroacetabular impingement. *Am J Sports Med* 2014; 42: 1690-1695.

Loibl M, Baeumlein M, Massen F, Gueorguiev B, Glaab R, Perren T, Rillmann P, Ryf C, **Naal FD**. Sports Activity After Surgical Treatment of intra-articular Tibial Plateau Fractures in Skiers. *Am J Sports Med* 2013; 41(6): 1340-1347.

Impellizzeri FM, Mannion AF, **Naal FD**, Leunig M. A Core Outcome Measures Index (COMI) for patients undergoing hip arthroplasty. *J Arthroplasty* 2013; 28(9): 1681-1686.

Leunig M, Faas M, von Knoch F, **Naal FD**. Skin Crease 'Bikini' Incision for Anterior Approach Total Hip Arthroplasty: Surgical Technique and Preliminary Results. *Clin Orthop Relat Res* 2013; 17(4):707-717.

Mannion AF, Impellizzeri FM, **Naal FD**, Leunig M. Fulfilment of patient-rated expectations predicts the outcome of surgery for femoroacetabular impingement. *Osteoarthritis Cartilage* 2013; 21 (1): 44-50.

Naal FD, Miozzari HH, Kelly BT, Magennis E, Leunig M, Nötzli HP. The Hip Sports Activity Scale (HSAS) for patients with femoroacetabular impingement. *Hip Int* 2013; 23(2): 204-211.

Impellizzeri FM, Mannion AF, **Naal FD**, Leunig M. Acceptable symptom state after surgery for femoroacetabular impingement compared with total hip arthroplasty. *Hip Int* 2013;23 Suppl 9:54-60.

Leunig M, Tibor L, **Naal FD**, Ganz R, Steinwachs M. Surgical Technique: Second-generation Bone Marrow Stimulation via Surgical Dislocation to Treat Hip Cartilage Lesions. *Clin Orthop Relat Res* 2012; 470 (12): 3421-3431.

Naal FD, Impellizzeri FM, Mannion AF, von Eisenhart-Rothe R, Leunig M. Reproducibility, validity and responsiveness of the Hip Outcome Score (HOS) in patients with end-stage hip osteoarthritis. *Arthritis Care Res* 2012; 64 (11): 1770-1775.

Naal FD, Miozzari HH, Schär M, Hesper T, Nötzli HP. Mid-term results of surgical hip dislocation for the treatment of femoroacetabular impingement. *Am J Sports Med* 2012; 40 (7): 1501-1510.

Impellizzeri FM, Mannion AF, **Naal FD**, Hersche O, Leunig M. The early outcome of surgical treatment for femoroacetabular impingement: success depends on how you measure it. *Osteoarthritis Cartilage* 2012; 20 (7): 638-645.

Rippstein PF, Park YU, **Naal FD**. Combination of First Metatarsophalangeal Joint Arthrodesis and Proximal Correction for the Treatment of Severe Hallux Valgus Deformity. *Foot Ankle Int* 2012; 33 (5): 400-405.

Neuerburg C, Impellizzeri F, Goldhahn J, Frey P, **Naal FD**, von Knoch M, Leunig M, von Knoch F. Survivorship of second-generation metal-on-metal primary total hip replacement. *Arch Orthop Trauma Surg* 2012; 132 (4): 527-533.

Rippstein PF, Huber M, Coetzee JC, **Naal FD**. Total ankle arthroplasty using a new three-component implant. *J Bone Joint Surg Am* 2011; 93 (15): 1426-1435.

Naal FD, Zuercher P, Munzinger U, Hersche O, Leunig M. A seven-zone rating system for assessing bone mineral density after hip resurfacing using implants with metaphyseal femoral stems. *Hip Int* 2011; 21(4): 463-467.

Naal FD, Pilz R, Munzinger U, Hersche O, Leunig M. High Revision Rate at 5 Years after Hip Resurfacing with the Durom implant. *Clin Orthop Relat Res* 2011; 469 (9): 2598-2604.

Naal FD, Impellizzeri FM, Miozzari HH, Mannion AF, Leunig M. The German Hip Outcome Score: Validation in Patients Undergoing Surgical Treatment for Femoroacetabular Impingement. *Arthroscopy* 2011; 27 (3): 339-345.

Naal FD, Miozzari HH, Wyss TF, Nötzli HP. Surgical Hip Dislocation for the Treatment of Femoroacetabular Impingement in High-Level Athletes. *Am J Sports Med* 2011; 39 (3): 544-550.

Impellizzeri FM, Mannion AF, Leunig M, Bizzini N, **Naal FD**. Comparison of the reliability, responsiveness and construct validity of four different questionnaires for evaluating outcomes after total knee arthroplasty. *J Arthroplasty* 2011; 26 (6): 861-869.

Naal FD, Impellizzeri FM, Wasmer M, Mannion AF, Leunig M. Schulthess Hip Score (5 items) for assessing disability in patients undergoing total hip arthroplasty: Development and validation. *Orthopade* 2010; 39 (9): 834-841.

Naal FD, Kain MS, Hersche O, Munzinger U, Leunig M. Does Hip Resurfacing Require Larger Acetabular Cups than Conventional THA? *Clin Orthop Relat Res* 2009; 467 (4): 923-928.

Naal FD, Impellizzeri FM, Loibl M, Huber M, Rippstein P. Habitual physical activity and sports participation after total ankle arthroplasty. *Am J Sports Med* 2009; 37 (1): 95-102.

Naal FD, Sieverding M, Impellizzeri FM, von Knoch F, Mannion AF, Leunig M. Reliability and validity of the cross culturally adapted German Oxford Hip Score. *Clin Orthop Relat Res* 2009; 467 (4): 952-957.

Naal FD, Schmied M, Munzinger U, Leunig M, Hersche O. Outcome of Hip Resurfacing Arthroplasty in Patients With Developmental Hip Dysplasia. *Clin Orthop Relat Res* 2009; 467(6): 1516-21.

Salzmann GM, Ahrens P, **Naal FD**, El-Azab H, Spang JT, Imhoff AB, Lorenz S. Sporting activity after high tibial osteotomy for the treatment of medial compartment knee osteoarthritis. *Am J Sports Med* 2009; 37 (2): 312-318.

Naal FD, Impellizzeri FM, Huber M, Rippstein P. Cross-cultural adaptation and validation of the Foot Function Index for use in German-speaking patients with foot complaints. *Foot Ankle Int* 2008; 29 (12): 1222-1228.

Naal FD, Impellizzeri FM, Sieverding M, Loibl M, von Knoch F, Mannion AF, Leunig M, Munzinger U. The 12-item Oxford Knee Score: cross-cultural adaptation into German and assessment of its psychometric properties in patients with osteoarthritis of the knee. *Osteoarthritis Cartilage* 2009; 17 (1): 49-52.

Naal FD, Impellizzeri FM, Leunig M. Which is the best activity rating scale for patients undergoing total joint arthroplasty? *Clin Orthop Relat Res* 2009; 467 (4): 958-965.

Naal FD, Neuerburg C, von Knoch F, Salzmann GM, Kriner M, Munzinger U. Patellar height before and after unicompartmental knee arthroplasty: Association with early clinical outcome? *Arch Orthop Trauma Surg* 2009; 129 (4): 541-547.

Naal FD, Neuerburg C, Salzmann GM, Kriner M, von Knoch F, Preiss S, Drobny T, Munzinger U. Association of body mass index and clinical outcome two years after unicompartmental knee arthroplasty. *Arch Orthop Trauma Surg* 2009; 129 (4): 463-468.

Naal FD, Schauwecker J, Steinhauser E, Milz S, von Knoch F, Mittelmeier W, Diehl P. Biomechanical and immunohistochemical properties of meniscal cartilage after high hydrostatic pressure treatment. *J Biomed Mater Res B Appl Biomat* 2008; 87 (1): 19-25.

Naal FD, Fischer M, Preuss A, Goldhahn J, von Knoch F, Preiss S, Munzinger U, Drobny T. Return to sports and recreational activity after unicompartmental knee arthroplasty. *Am J Sports Med* 2007; 35 (10): 1688-95.

Naal FD, Salzmann GM, von Knoch F, Tuebel J, Diehl P, Gradinger R, Schauwecker J. The effects of clindamycin on human osteoblasts in vitro. *Arch Orthop Trauma Surg* 2008; 128 (3): 317-23.

Salzmann GM, **Naal FD**, Tuebel J, Gradinger R, Schauwecker J. Effects of cefuroxime on human osteoblasts in vitro. *J Biomed Mater Res A* 2007; 82 (2): 462-8.

Naal FD, Maffiuletti N, Munzinger U, Hersche O. Sports after hip resurfacing arthroplasty. *Am J Sports Med* 2007; 35 (5): 705-11.

Diehl P, **Naal FD**, Schauwecker J, Steinhauser E, Milz S, Gollwitzer H, Mittelmeier W. Biomechanical properties of articular cartilage after high hydrostatic pressure treatment. *Biomed Tech* 2006; 51 (1): 8-14.

Naal FD, Schauwecker J, Gradinger R, Mittelmeier W, Diehl P. Vitalität humaner Chondrozyten und Chondrosarkomzellen nach intermittierender hydrostatischer Hochdruckbehandlung. *BIOmaterialien* 2006;7:7-11.

Naal FD, Mengele K, Schauwecker J, Gollwitzer H, Gerdesmeyer L, Reuning U, Mittelmeier W, Gradinger R, Schmitt M, Diehl P. High hydrostatic pressure-induced cell death in human chondrocytes and chondrosarcoma cells. *Anticancer Res* 2005;25:1977-82.

Übersichtsarbeiten

Naal FD, Impellizzeri FM. How Active are Patients Undergoing Total Joint Arthroplasty?: A Systematic Review. *Clin Orthop Relat Res* 2010;468:1891-1904.

Naal FD, Impellizzeri FM, Rippstein PF. Which are the most frequently used outcome instruments in studies on total ankle arthroplasty? *Clin Orthop Relat Res* 2010;468:815-826.

Rippstein PF, Huber M, **Naal FD**. Management of specific complications related to total ankle replacement. *Foot Ankle Clin* 2012;17:707-17.

Rippstein PF, **Naal FD**. Total ankle arthroplasty in rheumatoid arthritis. *Orthopade* 2011;40:984-990.

Naal FD, Leunig M. Indikationen und Technik der Hüftarthroskopie. *Leading Opinions Orthopädie* 3/2009: 30-33.

Miozzari HH, **Naal FD**, Wyss TF, Notzli HP. Die chirurgische Hüftluxation in Hochleistungssportlern. *Leading Opinions Orthopädie* 3/2009: 23-25.

Naal FD, Steinhauser E, Schauwecker J, Diehl P, Mittelmeier W. Tissue Engineering von Knochen- und Knorpelgewebe: Die Bedeutung von Sauerstoff und Hypoxie. *BIOmaterialien* 2004;5:34-37.

Naal FD, Diehl P, Bader R, Tübel J, Steinhauser E, Gollwitzer H, Mittelmeier W. Verfahren der Gewebeauflösung zur Isolation von periprothetischen Abriebpartikeln. *BIOmaterialien* 2003;4:270-76.

Kasuistiken

Solomon LB, Howie DW, **Naal FD**. Piriformis muscle rupture during total hip arthroplasty using a muscle-preserving posterior approach. *Acta Orthop Belg* 2013;79:616-619.

Naal FD, Wasmeier J, Guggi T, Munzinger U. Reconstruction of severe uncontained bone defects in revision total knee arthroplasty in a patient with rheumatoid arthritis. *Acta Orthop Belg* 2008;74:255-260.

Buchbeiträge

Tibor L, **Naal FD**, Steinwachs M, Leunig M. The management of chondral defects in the hip. In: *The Young Adult Hip in Sport*, Ed Fares Haddad, Springer 2012.

Poster und publizierte Abstracts

Naal FD, Miozzari HH, Nötzli HP. The Hip Sports Activity Scale (HSAS). Evidence of reliability and validity. *SGO/SSO Jahreskongress, 30. June – 2. July 2010, St. Gallen, Switzerland.*

Naal FD, Miozzari HH, Wyss TF, Nötzli HP. Die Chirurgische Hüftluxation zur Behandlung des Femoroacetabulären Impingements bei Leistungssportlern. *GOTS Jahreskongress, 19.20. June 2010, Munich, Germany.*

Naal FD, Miozzari HH, Nötzli HP. Die Hip Sports Activity Scale (HSAS): Validierung eines neuen Instrumentes zur Erfassung der Sportaktivität bei Femoroacetabulärem Impingement. *GOTS Jahreskongress, 19.-20. June 2010, Munich, Germany.*

Naal FD, Impellizzeri FM. Wie aktiv sind Patienten nach Hüft- und Kniearthroplastik? Ein systematisches Review mit Meta-Analyse. *Sport-Orthopädie – Sport-Traumatologie* 2010; 26 (2): 107-108.

Naal FD, Zuercher P, Munzinger U, Hersche O, Leunig M. Periprosthetic bone mineral density after hip resurfacing arthroplasty: A reliable measurement technique and results two years after surgery. *11th EFORT Congress, 2.-6. June 2010, Madrid, Spain.*

Naal FD, Impellizzeri FM. How many items are enough? The patient perspective in self-reported outcome assessments in hip surgery. *11th EFORT Congress, 2.-6. June 2010, Madrid, Spain.*

Naal FD, Impellizzeri FM, Rippstein PF. Outcome Instrumente in Studien zur Sprunggelenksarthroplastik - Ein systematisches Review. *DKOU Jahreskongress, 21.-24. October 2009, Berlin, Germany.*

Naal FD, Kain MS, Hersche O, Munzinger U, Leunig M. Does hip resurfacing require larger acetabular cups than conventional total hip arthroplasty? *10th EFORT Congress, 2.-6. June 2009, Vienna, Austria.*

Naal FD, Impellizzeri FM, Huber M, Rippstein PF. Cross-cultural adaptation and validation of the Foot Function Index for use in German-speaking patients with foot complaints. *10th EFORT Congress, 2.-6. June 2009, Vienna, Austria.*

Naal FD, Neuerburg C, von Knoch M, von Knoch F, Munzinger U. Effect of body mass index and patellar height on the early clinical outcome of unicompartmental knee arthroplasty. *SGO/SSO Jahreskongress 24.-26. September 2008, Basel, Switzerland.*

Naal FD, Schauwecker J, Steinhauser E, Milz S, Diehl P. Biomechanical and Immunohistochemical Properties of Meniscal Cartilage after High Hydrostatic Pressure Treatment. *SGO/SSO Jahreskongress 24.-26. September 2008, Basel, Switzerland.*

Naal FD, Bircher HP. Modifizierter Processus Coracoideus Transfer nach Gazielly als Auswegverfahren bei nicht rekonstruierbarer ossärer Bankart-Läsion nach vorderer Schulterluxation: ein Fallbeispiel. *SGO/SSO Jahreskongress 24.-26. September 2008, Basel, Switzerland.*

Naal FD, Kampmann E, Impellizzeri FM, Munzinger U, Leunig M. Sports recommendations for patients after total hip and knee arthroplasty: Differences between orthopaedic surgeons and general practitioners. *SGO/SSO Jahreskongress 24.-26. September 2008, Basel, Switzerland.*

Naal FD, Impellizzeri FM, Munzinger U, Leunig M. Evaluation of three activity rating scales for the assessment of activity levels in patients undergoing total hip and knee arthroplasty. *GOTS Jahreskongress 20.-22. June 2008, Munich, Germany.*

Naal FD, von Knoch F, Munzinger U, Drobny T. Sportaktivität und allgemeine Lebensqualität von Patienten nach unikompartimenteller Kniearthroplastik. *GOTS Jahreskongress 20.-22. June 2008, Munich, Germany.*

Naal FD, Neuerburg C, Munzinger U, von Knoch M, von Knoch F. Effects of the Body Mass Index and the Patellar Height on the Clinical Outcome of Unicompartmental Knee Arthroplasty. *9th EFORT Congress, 29. May-1. June 2008, Nice, France.*

Naal FD, Schauwecker J, Steinhauser E, Milz S, von Knoch F, Diehl P. High hydrostatic pressure treatment as an alternative sterilization technique for meniscal allografts?. *9th EFORT Congress, 29. May-1. June 2008, Nice, France.*

Naal FD, von Knoch F, Hersche O, Drobny T, Munzinger U. Sportaktivität von Patienten nach Hüftresurfacing und Unikompartimenteller Kniearthroplastik. *DGOOC Jahreskongress, 24.-27. October 2007, Berlin, Germany.*

Salzmann GM, **Naal FD**, von Knoch F, Tuebel J, Gradinger R, Imhoff AB, Schauwecker J. The Effect of Cefuroxime and Clindamycin on Osteoblastic Function in vitro. *6th Biennial ISAKOS Congress, 27.-31. May 2007, Firenze, Italy.*

von Knoch F, Gugli T, **Naal F**, von Knoch M, Drobny T, Munzinger U. Primäre Kniearthroplastik mittels Innex Typ UCOR Mobile-Bearing bei Patienten unter 55 Jahren. *Swiss Medical Forum 2006; Suppl. 32;58S:KN10.*

VORTRÄGE (seit 2014)

Fach- und Fortbildungsvorträge

Naal FD. The direct anterior approach to the hip – History & evolution. *DAA Instructional Course, 27.-28. April 2018, Bern, Schweiz.*

Naal FD. Table exposure for minimally invasive total hip arthroplasty. *DAA Instructional Course, 27.-28. April 2018, Bern, Schweiz.*

Naal FD. Acetabular implantation of a non-cemented cup system. *DAA Instructional Course, 27.-28. April 2018, Bern, Schweiz.*

Naal FD. Aktuelle Aspekte der Hüftchirurgie. Fokus Femoroacetabuläres Impingement / Hüftdysplasie. *MTT Symposium Waldenburg, 21. April 2018, Deutschland.*

Naal FD. Sport mit der Knieprothese. Was gibt es zu beachten? *Frankfurt Muskuloskelettal, 8.-9. Dezember 2017, Frankfurt, Deutschland.*

Naal FD. Was muss der Patient über die Hüft-Totalprothese wissen? *Publikumsanlass Untere Extremitäten, Schulthess Klinik, 16. November 2017, Zürich, Schweiz.*

Naal FD. FAI. Wann ist der geeignete Operationszeitpunkt, wann ist es zu spät? *DKOU Jahreskongress, 24.-27. Oktober 2017, Berlin, Deutschland.*

Naal FD. Groin pain in athletes. Other causes than FAI. *ICRS Focus Meeting, 28.-29. September 2017, Schulthess Klinik, Zürich, Schweiz.*

Naal FD. Hüftchirurgie. Wann ist eine Operation sinnvoll? *Veranstaltungstag "Hüftschmerzen verstehen und behandeln" der Rheumaliga Schweiz, 12. September 2017, Zürich, Schweiz.*

Naal FD. Die Hüftprothese. Fortbildungsvortrag und Moderation Live Surgery, *SVV Tagung, 8. September 2017, Schulthess Klinik, Zürich, Schweiz.*

Naal FD. Was muss der Patient über die Hüft-Totalprothese wissen? *Publikumsanlass Untere Extremitäten, Schulthess Klinik, 22. Juni 2017, Zürich, Schweiz.*

Naal FD. History and evolution of the direct anterior approach for total hip arthroplasty. *DAA Symposium, Juni 2017, Schulthess Klinik, Zürich, Schweiz.*

Naal FD. Häufige Hüftoperationen. Was ist wichtig bei der Lagerung? *Fortbildung OP-Lagerungspfleger, Schulthess Klinik, 27. März 2017, Zürich, Schweiz.*

Naal FD. Impingementsyndrome am Hüftgelenk. *Fortbildung Staff Meeting, Schulthess Klinik, 20. März 2017, Zürich, Schweiz.*

Naal FD. Hüftschmerzen – häufige Diagnosen im klinischen Alltag. Wann operieren? *Tagung Rheumaliga Schweiz, 10. März 2017, Zürich, Switzerland.*

Naal FD. Extraartikuläre Impingementsyndrome am Hüftgelenk. *Freiburger Knorpeltage, 20.-21. Januar 2017, Freiburg, Deutschland.*

Naal FD. Sport nach Hüftgelenkersatz – was können Patienten und was dürfen sie? *Hausarztfortbildung 24.11.2016, Schulthess Klinik, Zürich, Switzerland.*

Naal FD. Femoroacetabuläres Impingement – konservativ versus operativ. *Physio-therapie-Symposium, 5. November 2016, Schulthess Klinik, Zürich, Switzerland.*

Naal FD. Self assessment scores als wissenschaftliches Tool zur Outcome-Erfassung in Orthopädie und Unfallchirurgie. *Deutscher Kongress für Versorgungsforschung, 5.-7. Oktober 2016, Berlin, Deutschland.*

Naal FD. Cartilage repair in the hip. Open surgical dislocation procedures and osteotomies. *ICRS Congress, 24.-27. September 2016, Sorrento-Naples, Italy.*

Naal FD. The anterior approach for total hip arthroplasty – History and evolution. *Johnson and Johnson Instructional Course, 29. April 2016, Berne, Switzerland.*

Naal FD. The direct anterior approach – Preoperative preparation and patient selection. *Johnson and Johnson Instructional Course, 29. April 2016, Berne, Switzerland.*

Naal FD. Femoroacetabuläres Impingement. *Fortbildung OP-Pflege, 20. April 2016. Schulthess Klinik, Zürich, Switzerland.*

Naal FD. Patientenorientierte Outcome-Messung in der Orthopädischen Chirurgie. *AFOR Kurs, 8.-12. Februar 2016, Pontresina, Schweiz.*

Naal FD. Periacetabular osteotomy – Surgical technique. *2nd International Lisbon Hip Meeting, 13.-14. November 2015, Lisbon, Portugal*

Naal FD. Decision algorithm in complex deformities. *2nd International Lisbon Hip Meeting, 13.-14. November 2015, Lisbon, Portugal*

Naal FD. Surgical hip dislocation complications. *2nd International Lisbon Hip Meeting, 13.-14. November 2015, Lisbon, Portugal.*

Naal FD. The anterior approach for total hip arthroplasty – History and evolution. *Johnson and Johnson Instructional Course, 29. October 2015, Basel, Switzerland.*

Naal FD. The direct anterior approach – Preoperative preparation and patient selection. *Johnson and Johnson Instructional Course, 29. October 2015, Basel, Switzerland.*

Naal FD. Fallvorstellungen Femoroacetabuläres Impingement. *Hausarztfortbildung, 22. October 2015, Schulthess Klinik, Zürich.*

Naal FD. Minimalinvasive Hüftendoprothetik – Hype oder logische Evolution? *Habilitationsvortrag, Fakultätsratssitzung 15. Juli 2015, TU München.*

Naal FD, Impellizzeri FM, Lenze U, Wellauer V, von Eisenhart-Rothe R, Leunig M. Clinical improvement and satisfaction after total joint replacement – A prospective 12 months evaluation on the patients' perspective. *SGOT Congress, 24.-26. June 2015, Basel, Switzerland*

Naal FD, Müller A, Impellizzeri FM, Wellauer V, Leunig M. Midterm results of FAI surgery - Association with generalized joint hypermobility? *SGOT Congress, 24.-26. June 2015, Basel, Switzerland*

Naal FD. Das femoroacetabuläre Impingement. *FMH Frühfortbildungsprogramm, 4. May 2015, Schulthess Klinik, Zurich, Switzerland.*

Naal FD. Orthopädie der Unteren Extremitäten. *Fachgruppenfortbildung Physiotherapie, 22. April 2015, Schulthess Klinik, Zurich, Switzerland.*

Naal FD. Femoroacetabuläres Impingement. *Pflegefortbildung, 14. April 2015. Schulthess Klinik, Zürich, Switzerland.*

Naal FD. Preoperative preparation for DAA total hip arthroplasty. *Johnson & Johnson Instructional Course, 27.-28. February 2015, Basel, Switzerland.*

Naal FD. Femoroacetabular Impingement – Current Concepts Update. *Physiotherapy Meeting, 27. October 2014, Schulthess Clinic, Zurich, Switzerland.*

Naal FD. High impact sports and heavy activities with THA. *European Hip Society Congress, 9.-11. October 2014, Stockholm, Sweden*

Naal FD. Patientenorientierte Outcome-Messung in der Orthopädischen Chirurgie – Fokus Endoprothetik und femoroacetabuläres Impingement. *Hochschulöffentlicher Vortrag, 5. August 2014, TU München.*

Impellizzeri F, Mannion AF, **Naal FD,** Leunig M. A Core Outcome Measures Index (COMI) for patients with femoroacetabular impingement. *SGOT Congress, 25.-27. June 2014, St. Gallen, Switzerland.*

Dalla Riva F, **Naal FD,** Wuerz TH, Dubs B, Leunig M. The prevalence of abdominal hernias in patients with symptomatic femoroacetabular impingement. *SGOT Congress, 25.-27. June 2014, St. Gallen, Switzerland.*

Naal FD. Why minimally invasive total hip arthroplasty? *Smith and Nephew Instructional Course, 23.-24. May 2014, Basel, Switzerland.*

Naal FD. Basic anatomic considerations for der direct anterior approach. *Smith and Nephew Instructional Course, 23.-24. May 2014, Basel, Switzerland.*

Naal FD. Tips and Tricks before minimally invasive total hip arthroplasty. *Smith and Nephew Instructional Course, 23.-24. May 2014, Basel, Switzerland.*

Naal FD. Current concepts update – Femoroacetabular Impingement. *Advanced Training in Orthopaedic Surgery for Medical Coders, Schulthess Clinic, May 2014.*

Naal FD. Considerations before direct anterior approach total hip arthroplasty. *Smith and Nephew Instructional Course, 12. April 2014, Istanbul, Turkey.*

Naal FD. Why minimally invasive total hip arthroplasty? *Smith and Nephew Instructional Course, 12. April 2014, Istanbul, Turkey.*

Naal FD. Femoroacetabular Impingement - Update. *Staff meeting, 10. April 2014, Schulthess Clinic, Zwitterland.*

Naal FD. Tips and Tricks before minimally invasive total hip arthroplasty. *Smith and Nephew Instructional Course, 14.-15. February 2014, Barcelona, Spain.*

Naal FD. Why minimally invasive total hip arthroplasty? *Smith and Nephew Instructional Course, 14.-15. February 2014, Barcelona, Spain.*

Eingeladene Kongress-Moderationen

Naal FD, Dienst M. Session: Hip Dysplasia I. *2nd International Lisbon Hip Meeting, 13.-14. November 2015, Lisbon, Portugal.*

Naal FD, Dantas P. Session: Risk factors for developing osteoarthritis & patient selections to hip preservation. *2nd International Lisbon Hip Meeting, 13.-14. November 2015, Lisbon, Portugal.*

Studentenfortbildungen und -vorlesungen (seit 2015)

Naal FD. Hüftarthrose: Von der Einzelfallbeschreibung zu systematischen Studien. *Vorlesung Bewegungswissenschaften der ETH Zürich. 6. Februar 2018, Schulthess Klinik.*

Naal FD. PJ-Studentenfortbildung Hüftimpingement und -arthrose. *14. November 2017, Schulthess Klinik.*

Naal FD. PJ-Studentenfortbildung Untersuchungstechniken und Bildgebung Hüfte. *21. September 2017, Schulthess Klinik.*

Naal FD. Bedside teaching Kurs Orthopädie SS 2017 Teil 2. 27.07.2017, *Klinikum rechts der Isar, München.*

Naal FD. Bedside teaching Kurs Orthopädie SS 2017 Teil 1. 20.07.2017, *Klinikum rechts der Isar, München.*

Naal FD. PJ-Studentenfortbildung Untersuchungstechniken Hüfte. 4. April 2017, *Schulthess Klinik.*

Naal FD. Hüftarthrose: Von der Einzelfallbeschreibung zu systematischen Studien. *Vorlesung Bewegungswissenschaften der ETH Zürich. 9. Februar 2017, Schulthess Klinik.*

Naal FD. Hüftarthrose: Von der Einzelfallbeschreibung zu systematischen Studien. *Vorlesung Bewegungswissenschaften der ETH Zürich. 7. Februar 2017, Schulthess Klinik.*

Naal FD. PJ-Studentenfortbildung Operative Zugangswege und Grundlagen Endoprothetik Hüfte. 11. Januar 2017, *Schulthess Klinik.*

Naal FD. PJ-Studentenfortbildung Zugangswege und Endoprothetik Hüfte. 08. August 2016, *Schulthess Klinik.*

Naal FD. Bedside teaching Kurs Orthopädie SS 2016 Teil 2. 14.07.2016, *Klinikum rechts der Isar, München.*

Naal FD. Bedside teaching Kurs Orthopädie SS 2016 Teil 1. 07.07.2016, *Klinikum rechts der Isar, München.*

Naal FD. PJ-Studentenfortbildung Untersuchungstechniken. 8. Juni 2016, *Schulthess Klinik.*

Naal FD. Hüftarthrose: Von der Einzelfallbeschreibung zu systematischen Studien. *Vorlesung Bewegungswissenschaften der ETH Zürich. 9. Februar 2016, Schulthess Klinik.*

Naal FD. PJ-Studentenfortbildung Femoroacetabuläres Impingement. 3. Februar 2016, *Schulthess Klinik.*

Naal FD. PJ-Studentenfortbildung Hüftprothetik. 17. Dezember 2015, *Schulthess Klinik.*

Naal FD. Bedside teaching Kurs Orthopädie WS 2015/2016 Teil 2. 10.12.2015, *Klinikum rechts der Isar, München.*

Naal FD. Bedside teaching Kurs Orthopädie WS 2015/2016 Teil 1. 26.11.2015, *Klinikum rechts der Isar, München.*

Naal FD. PJ-Studentenfortbildung Hüftpathologien. 10. September 2015., *Schulthess Klinik.*

Naal FD. PJ-Studentenfortbildung Untersuchungstechniken in der Orthopädie. 22. Juli 2015, *Schulthess Klinik.*

Naal FD. PJ-Studentenfortbildung Bildgebung in der Orthopädie. 13. Mai 2015, *Schulthess Klinik.*

Naal FD. PJ-Studentenfortbildung Untersuchungstechniken in der Orthopädie. 11. März 2015, *Schulthess Klinik.*

Naal FD. PJ-Studentenfortbildung Kniepathologien. 2. März 2015., *Schulthess Klinik.*

Naal FD. Hüftarthrose: Von der Einzelfallbeschreibung zu systematischen Studien.
Vorlesung Bewegungswissenschaften der ETH Zürich, Schulthess Klinik, 3. und 5. Februar 2015.

Weitere Fachspezifische Tätigkeiten

Instruktor Kadaverkurse. Direkter anteriorer Zugang zum Hüftgelenk

Instructional Courses Smith & Nephew / Johnson & Johnson

28.04.2018 Bern

22.10.2016 Bern

30.10.2015 Basel

20.04.2016 Bern

28.02.2015 Basel

27.09.2014 Paris

24.05.2014 Basel

12.04.2014 Istanbul

15.02.2014 Barcelona