

Curriculum Vitae	name Harm Meindert van der Vis
Current functions	Orthopedic surgeon Xpert Orthopedie Amsterdam, Hip and kneesurgery, spinesurgery and implantology Board member of VOC Foundation (Netherlands/Sri Lanka)
Prev functions	Res. Captain doctor orthopaedic department, Nederlandse Landmacht 1987-1988 Militair Hospitaal Dr A. Mathijssen, Utrecht General surgery training 1988-1991 Mariastichting/Spaarne Ziekenhuis, Haarlem Orthopaedics training 1991-1995 Academic Medical Centre, Amsterdam (Prof. Dr R.K. Marti) Staffmember orthopedic department 1995-1997 Academisch Medisch Centrum Orthopaedic surgeon/ass trainer/trainer; Tergooiziekenhuizen 1997 – 2011 (MSRC Full training facility for orthopaedic surgeons) Orthopedic surgeon Slotervaartziekenhuis, head of department en training facility 2012- 2018 (RGS Full training facility for orthopaedic surgeons) Co-owner and orthopedic surgeon AVE-Orthopedische klinieken, Hip and kneesurgery, spinesurgery and implantology 2006-2018
PhD Thesis	“Wear, particles and physical factors in loosening of hip prostheses” 1997 Promotores: R.K.Marti, C.J.F. van Noorden Co promotor: P. Aspenberg
Papers	“Benign cellular responses in rats to different wear particles in intra-articular and intramedullary environments” Journal of Bone and Joint Surg (B), 79(5): 837-843 (1997) “Fluid pressure causes bone resorption in a rabbit model of prosthetic loosening” Clin Orthop and Rel Res 350: 201-208 (1998) “Short periods of oscillating fluid pressure directed at a bone –titanium interface leads to bone lysis” Acta Orthop Scand 69(1): 5-10 (1998) “Fluid pressure may cause periprosthetic loosening: particles are not the only thing” Acta Orthop Scand 69(1): 1-4 (review) (1998) “Migration, particles and fluid pressure. A discussion of causes of prosthetic loosening” Clin Orthop and Rel Res 352: 75-80 (1998) “Socket wear in ceramic-on-polyethylene total hip arthroplasties: Fixed versus rotating heads” Acta Orthop Scand 69(3): 248-252 (1998) “Mechanical compression of a fibrous membrane surrounding bone causes bone resorption” Acta Histochemica 101(2): 203-212 (1999) “Kniearthroskopien bei holländischen Patienten des hohen Lebensalters” Rutten, Patt, Raven, van der Vis, Albers Z Orthop Unfall 2003; 141 “Trochanteric reduction osteotomy as a treatment for refractory trochanteric bursitis” Govaert, van der Vis, Marti, Albers J Bone Joint Surg Br. 2003 Mar;85(2):199-203 “The Weber rotation total hip prosthesis: a five to twenty year followup study” (de Jong, van der Vis, de Man en Marti) Clin Orthop and Rel Research 2004 feb 419; 107-114

- “Effects of mechanical compression of a fibrous membrane with or without the presence of high density polyethylene particles in a rabbit model of prosthetic loosening”(de Man, Marti, van Noorden, van der Vis)  
Journal of Bone and Joint Surgery Am. 2005 Jul;87(7): 1522-33
- “Total Hip replacement with superolateral bonegrafting for osteoarthritis secondary to dysplasia” (de Jong, Marti, van der Vis)  
Journal of Bone and Joint Surg Br 2006 Feb; 88(2):173-8
- “Occlusion of the posterior tibial artery after pantalar arthrodesis”  
Tauladan, Koedam, Pels-Rijcken, van der Vis  
Acta Orthop Scand 2007; 78(3): 442
- “Arthroscopic debridement for grade III and IV Chondromalacia of the knee in patients older than 60 years” (Bekerom vd M, Patt T, Rutten S, Raven E, Vis vd H, Albers GHR) J Knee Surg 2007 20 4
- “ Early complications after HTO; comparison of two techniques” (Bekerom, MPJ vd, Patt TW, Kleinhout MY, Vis HM vd, Albers GHR  
J Knee Surg 2008 Jan;21(1):68-74.
- “ Small stem total Hip Arthroplasty in hypoplasia of the femur ” (de Man, Haverkamp, van der Vis, Besselaar, Marti) Clin Orthop and Rel Res 466, 6, June 2008
- “Polyethylene wear particles do not induce inflammation or gelatinase (MMP-2 and MMP-9) activity in fibrous tissue interfaces of loosening total hip arthroplasties” : (de Jong, Tichelaar, van Noorden, van der Vis) Acta Histochemica 113 (2011), pp 556-563
- “Acute compartment syndrome of the thigh following total knee arthroplasty” (R.H. Boonstra, M.M. Campo, D. Haverkamp, H.M. van der Vis) The knee, 2011, Mar 17
- “Obesity in Total Hip Arthroplasty, does it really matter? A meta-analysis.”  
Haverkamp, et al, van der Vis. Acta Orthop Scand 2011 Aug;82(4):417-22
- “Venous thromboembolism prophylaxis after total knee or hip replacement - treatment pattern and outcomes”, Pharmacoepidem. and Drug Safety, 2011 Sep;20(9):972-8
- “Treatment of an osteoporotic vertebral compression fracture with the StaXx FX procedure resulting in intrathoracic wavers” (Plaat, Bulstra, Albers, Eerenberg, van der Vis) Spine, Eur Spine J. 2011, Nov 2
- “Central coordination as an alternative method for local coordination in a multicenter Randomized controlled trial: The FAITH trial experience”. Dutch femoral neck fracture investigation group. Trials 2012 Jan 8; 13:5
- “Early loosening of a press fit cup with ceramic on ceramic articulation: our early results” Haverkamp, et al, van der Vis Arch Orthop Trauma Surg. 2013 Dec;133(12):1757-62
- “Femoral neck shortening after internal fixation of a femoral neck fracture”.  
Dutch femoral neck fracture investigator group.  
Orthopedics. 2013 Jul;36(7)
- “Adherence to a femoral neck fracture treatment guideline”.  
Dutch femoral neck fracture investigator group.  
Int Orthop. 2013 Jul;37(7):1327-34
- “Does hydroxyapatite coating enhance ingrowth and improve longevity of a Zweymuller type stem? A double blinded RSA trial” Hoornenborg D, Sierveelt IN, Spuijbroek JA, Cheung J, van der Vis HM, Beimers L, Haverkamp D.  
Hip Int. 2018 Mar;28(2):115-121.

Co-promotor

“Clinical and experimental aspects of fixation, loosening and revision of cemented total hip arthroplasty”. Copromotor of double theses: one with F.H.R. de Man and one with P.T. de Jong, february 2009.

Studies performed as Primary Investigator

### **EEST**

Sponsor: Ortho biotech

Open randomised study to evaluate the effect of peri-operative treatment of anaemia with epoetin alfa on peri-operative Hb, the incidence of allogeneic blood transfusions, postoperative infections and recovery compared to standard of care in patients undergoing major elective orthopedic surgery.

Study number: PRI/EPO-INT-52

Start: jul. 2000 End: may 2001

In: *Eur J Anaesthesiol.* 2005 Apr;22(4):249-57.

Effects of epoetin alfa on blood transfusions and postoperative recovery in orthopaedic surgery: the European Epoetin Alfa Surgery Trial (EEST).

### **EXPERT**

Sponsor: Sanofi-synthelabo

Fondaparinux sodium (ARIXTRA®) use in daily practice in patients undergoing major orthopedic surgery of the lower limbs.

Study number: C8843

Start : sept. 2003 End : oct. 2004

In: *Anesthesia and Analgesia.* 2007 Dec;105(6):1540-7,

The safety and efficacy of extended thromboprophylaxis with fondaparinux after major orthopedic surgery of the lower limb with or without a neuraxial or deep peripheral nerve catheter: the EXPERT Study.

### **ODIXAHIP**

Sponsor: Bayer health care

Controlled, Double-blind, Randomised, Dose-ranging Study on the prevention of VTE in patients undergoing Elective Total Hip Replacement-ODIXaHip HIP Study

Study number: 10944

Start: jan. 2004 End: oct. 2004

In: *Circulation.* 2006 Nov 28;114(22):2374-81. Epub 2006 Nov 20.

A once-daily, oral, direct Factor Xa inhibitor, rivaroxaban (BAY 59-7939), for thromboprophylaxis after total hip replacement.

### **ODIXAHIP-OD**

Sponsor: Bayer health care

Controlled, Double-blind, Randomised, Dose-ranging Study of once-daily regimen of BAY 59-7939 in the prevention of VTE in patients undergoing elective total hip replacement ODIXaHIP-OD.

Study number: 11527

Start: oct 2004 End: sep 2005

### **RECORD 1**

Sponsor Bayer Health care

RECORD 1 study: Regulation of coagulation in orthopedic surgery to prevent DVT and PE, controlled, double-blind, randomized study of BAY 59-7939 in the extended prevention in patients undergoing elective total hip replacement.

Study number 11354  
Start: feb. 2006 End: apr. 2007  
In: New Engl J Med. 2008 Jun 26; 358(26): 2765-75  
Rivaroxaban versus enoxaparin for thromboprophylaxis after hip arthroplasty.

### **RECORD 3**

Sponsor: Bayer health care  
RECORD 3 Study: Regulation of Coagulation in Orthopedic Surgery to Prevent DVT and PE; a controlled, double-blind, randomized study of BAY 59-7939 in the prevention of VTE in subjects undergoing elective total knee replacement.  
Study number: 11356  
Start : feb. 2006 End: apr. 2007  
In: New Engl J Med. 2008 Jun 26; 358(26): 2776-86  
Rivaroxaban versus enoxaparin for thromboprophylaxis after knee arthroplasty.

### **SANGART**

Sponsor: Qutiles  
A multi-centre, randomized, double blind, controlled Phase II study of the efficacy and safety of an oxygen-carrying colloid and plasma expander, Hemospan®, compared with colloid (Voluven®) for treatment of perioperative hypotension in patients undergoing primary hip arthroplasty with spinal anesthesia.  
Start: aug. 2007 End: aug. 2008

### **XAMOS**

Sponsor: Bayer HealthCare  
Xarelto® in the prophylaxis of post surgical venous tromboembolism after elective major orthopedic surgery of hip or knee  
Start: may 2007 End dec. 2010

Studies performed as Trial Investigator of the Dutch femoral neck fracture investigator group

Femoral neck shortening after internal fixation of a femoral neck fracture.  
Zielinski SM, Keijsers NL, Praet SF, Heetveld MJ, Bhandari M, Wilssens JP, Patka P, Van Lieshout EM; FAITH Trial Investigators.  
Orthopedics. 2013 Jul;36(7):e849-58.

Adherence to a femoral neck fracture treatment guideline.  
Zielinski SM, Meeuwis MA, Heetveld MJ, Verhofstad MH, Roukema GR, Patka P, Van Lieshout EM; Dutch femoral neck fracture investigator group.  
Int Orthop. 2013 Jul;37(7):1327-34.

Central coordination as an alternative for local coordination in a multicenter randomized controlled trial: the FAITH trial experience.  
Zielinski SM, Viveiros H, Heetveld MJ, Swiontkowski MF, Bhandari M, Patka P, Van Lieshout EM; FAITH trial investigators.  
Trials. 2012 Jan 8;13:5.

Abstracts

“High liquid pressure causes bone resorption in an animal model of aseptic loosening”  
Acta Orthop Scand 68 (Suppl 277): 9-10  
“Wear particles and physical factors in loosening of hip prostheses”

- Acta Orthop Scand 68 (Suppl 277): 90-91
- “Fluid pressure directed at a bone-titanium interface in rabbits leads to bone lysis”  
Journal of Orthopaedic Research 1998
- “Benign cellular responses to different wear particles in intra-articular and intramedullar environments in rats”  
Journal of Bone and Joint Surg (B) 1999, 81 (suppl 1): 51
- Oral presentations
- “High liquid pressure causes bone resorption in an animal model of aseptic loosening”  
Huiske symposium NOV jaarvergadering 1997
- “Benign cellular responses to different wear particles in intra-articular and intramedullar environments in rats”  
EORS, Barcelona, Spain 1997
- “Particles and fluid pressure in loosening of hip prostheses”  
Lund, Sweden jan 1998
- “Fluid pressure directed at a bone-titanium interface in rabbits leads to bone lysis”  
ORS, New Orleans, USA feb 1998
- “Socket wear in ceramic-on-polyethylene THR”  
Symposium metal-on-metal THR, Brussels, Belgium 1998
- “Weber Rotationsprothesen und HDPE verschleiss”  
Hip symposium, Hamburg, Germany 1999
- “De rol van lokale hoge vloeistofdruk in periprosthetischebotresorptie”  
NOV jaarvergadering, Rotterdam 2000
- “A collar has no function” minibattle European Symposium on Hip Replacement; May 2002; Lyon, France
- “The Weber Total Hip replacement” European Hip Course; November 2002; Zurich, Switzerland
- “Posterior stabilized knee design” CE 2003 Zurich
- “Knieendoprotetik: Posterior Stabilized” 2004 Leipzig
- “Modularity, the key to succes in TKR” EFORT 2005; Lisbon
- “Live surgery in the difficult primary TKR”  
Symposium TKR Hilversum, april 2006
- “Behandeling van osteoporotische wervelfracturen”  
Symposium osteoporose Hilversum; june 2006
- " Revision Uni to Total Knee arthroplasty: a total solution?"  
Uniknee symposium Hilversum october 2008
- “Glucosamine minibattle”  
Early knee arthritis, Huizen, october 2010
- “Kneeing in and patellofemoral pain”  
Kniesymposium, Huizen april 2014
- “Laminar Flow”  
AMC, Amsterdam, feb 2017
- Poster
- “Bone resorption by fluid pressure in a rabbit model of prosthetic loosening” EORS, Barcelona, Spain 1997
- “Latella, a novel implant for medial knee osteoarthritis”, Sicot ,Rome 2017
- Memberships
- NVOT  
NOV  
AAOS  
Werkgroep WIA  
Werkgroep Heup  
ZKN  
Steirische Arztenkammer

April 2020