The Hip Society Scientific Award Winners
2014-1985

2014 Awards
Otto Aufranc Award – Richard Iorio, MD “Modifiable vs. Non-Modifiable Risk Factors for Infection after Hip Arthroplasty”
Frank Stinchfield Award – Jacob M. Elkins, MD, PhD “Redefining the “Safe Zone” for Optimal Wear and Stability in Total Hips. It’s Smaller Than We Thought: A Computational Analysis”

2013 Awards
Otto Aufranc Award - Paul E. Beaulé, MD, FRCSC “On the Etiology of the Cam Deformity: A Cross-Sectional Paediatric MRI Study”
John Charnley Award - Donald S. Garbuz MD, MHSc “Diagnostic Accuracy of MRI versus Ultrasound for Detecting Pseudotumors in Asymptomatic Metal-on-Metal THA”
Frank Stinchfield Award - Paul H. Yi, BA "Diagnosis of Infection in the Early Postoperative Period after Total Hip Arthroplasty"

2012 Awards
Otto Aufranc Award - Catherine Van Der Straeten, MD "The Interpretation of Metal Ion Levels in Unilateral and Bilateral Hip Resurfacing. Practical Guidelines for Hip Resurfacing Follow-Up."
John Charnley Award - Charles R. Bragdon, PhD "Clinical Multi-centric Studies of the Wear Performance of Highly Cross-linked Remelted Polyethylene in THR"
Frank Stinchfield Award - Andrew K. Battenberg, BS "Decreasing Patient Activity with Aging: Implications for Cross-Linked Polyethylene Wear"

2011 Awards
Otto Aufranc Award - Letitia Lim, MD “Demineralized Bone Matrix around Porous Implants Promotes Rapid Gap Healing and Bone Ingrowth”
John Charnley Award - Fabrizio Billi, PhD “An Accurate and Extremely Sensitive Method to Separate, Display and Characterize Wear Debris: Polyethylene, Metal and Ceramic Particles”
Frank Stinchfield Award - Donald S. Garbuz, MD, MHSc "Dislocation in revision THA: Randomized clinical trial of 36/40mm vs 32mm head"

2010 Awards
Otto Aufranc Award - Yong Sik Kim, MD "Enhanced Biocompatibility of Stainless Steel Implant by Titanium Coating and Micro-arc Oxidation"
John Charnley Award - Henrik Malchau, MD, PhD "Cup Positioning at a Tertiary Hospital: Risk Factors for Malpositioning"
Frank Stinchfield Award - Robert L. Barrack, MD "The Impact of Socioeconomic Factors on Outcome After THA: A Prospective, Randomized Study"

2009 Awards
Otto Aufranc Award - Javad Parvizi, MD, FRCS "Developmental Dysplasia of the Hip: Discovery of the Gene(s)"
John Charnley Awards - Donald S. Garbuz, MD, MHSc "Metal on Metal Hip Resurfacing vs Large Diameter Hip Arthroplasty: A Randomized Clinical Trial.”
John Charnley Awards - Martin Lavigne, MD, MSc "The Functional Outcome after Hip Resurfacing and Large Head Total Hip Arthroplasty is the Same: A Randomized, Double-Blinded Study.”
Frank Stinchfield Award - Robert T. Trousdale, MD ”"Hip Squeaking” Biomechanics Study of Ceramic on Ceramic Bearing Surface"

2008 Awards
Otto Aufranc Award - Paul E. Beaulé, MD “Cement Penetration in Hip Resurfacing: Femoral Component Design and Cementation Technique”
John Charnley Award - C. Anderson Engh, Jr., MD "A Comparison of Three Total Hip Arthroplasty Bearing Surfaces: A Randomized Trial"
Frank Stinchfield Award - Sebastien Parratte, MD "Variation in Postoperative Pelvic Tilt May Confound the Accuracy of Hip Navigation Systems"
2007 Awards
Otto Aufranc Award - John Fisher, D.Eng. "Ceramic-on-Metal Hip Replacements: A Comparative In Vitro and In Vivo Study"
John Charnley Award - Young-Hoo Kim, MD "Factors Leading to Low Prevalence of Deep Vein Thrombosis and Pulmonary Embolism after Total Hip Arthroplasty"
Frank Stinchfield Award - Matthew J. Crawford, MD "The Biomechanical Contribution of the Labrum to the Stability of the Hip"

2006 Awards
Otto Aufranc Award - Steven M. Kurtz, PhD "Clinical Significance of In Vivo Degradation for Polyethylene in Total Hip Arthroplasty"
John Charnley Award - Pat Campbell, PhD "A Study of Implant Failure in Metal-on-Metal Surface Arthroplasties"
Frank Stinchfield Award - Toru Moro, MD "Grafting of Biocompatible MPC Polymer on Cross-linked Polyethylene Liner Surface for Extending Longevity of Artificial Hip Joints"

2005 Awards
Otto Aufranc Award - Michael Tanzer, MD "Bone Augmentation Around and Within Porous Implants by Local Bisphosphonate Elution"
John Charnley Award - Eduardo A. Salvati, MD "Heritable Thrombophilia and Development of Thromboembolic Disease following Total Hip Arthroplasty"
John Charnley Award - Vincent D. Pellegrini, Jr., MD "Prevention of Readmission for Venous Thromboembolic Disease after Total Hip Arthroplasty"
Frank Stinchfield Award - Mark W. Pagnano, MD "Muscle Damage after Total Hip Arthroplasty Performed with the Two-Incision and Mini-Posterior Techniques"

2004 Awards
Otto Aufranc Award - Georgios Digas, MD "Highly Cross-Linked Polyethylene in Total Hip Arthroplasty: Randomized Evaluation of Penetration Rate in Cemented and Uncemented Sockets Using Radiostereometric Analysis"
John Charnley Award - Daniel Mazzucco, PhD "The Role of Joint Fluid in the Tribology of Total Joint Arthroplasty"
Frank Stinchfield Award - Javad Parvizi, MD, FRCS "Titanium Surface with Biologic Activity Against Infection"

2003 Awards
Otto Aufranc Award - Philip C. Noble, PhD "The Dysplastic Femur: 3D Morphology and Implications for Total Hip Replacement"
John Charnley Award - Robert L. Barrack, MD "Induction of Bone Ingrowth from an Acetabular Defect to a Porous Surface with Osteogenic Protein-1"
John Charnley Award - Charles R. Bragdon, BS "Efficacy of MBP-2 to Induce Bone Ingrowth in Gap and Nongap Regions of a THR Model"
Frank Stinchfield Award - Christoph Röder, MD "Long-Term Functional Outcome of Total Hip Arthroplasty in 24,889 Hips: Demographic Factors Affecting Clinical Outcome"

2002 Awards
Otto Aufranc Award - S.A. Hacking "The Relative Contributions of Surface Chemistry and Topography to the Osseointegration of HA Coated Implants"
John Charnley Award - Steven J. MacDonald, MD "Metal on Metal Versus Metal on Polyethylene Liners in Total Hip Arthroplasty: Clinical and Metal Ion Results of a Prospective Randomized Clinical Trial"
Frank Stinchfield Award - Michael R. Dayton, MD "Viscosity Effects on Cement Pressurization and Trabecular Bone Cement Intrusion."

2001 Awards
Otto Aufranc Award - Joseph C. McCarthy, MD "The Role of Labral Lesions in the Development of Early Degenerative Hip Disease"
John Charnley Award - Gonzalo G. Valdivia, MD, FRCSC "3-D Analysis of the Cement Mantle in THA"
Frank Stinchfield Award - Masaaki Maruyama, MD "Acetabular and Femoral Morphology: Anteversion Angle and Implant Positioning"

2000 Awards
Otto Aufranc Award - Mark Santman, MD "Enhancement of Strut Allograft Healing to the Femur with Recombinant Human Osteogenic Protein"
John Charnley Award - Thomas P. Schmalzried, MD "Wear is a Function of Use, Not Time!"
Frank Stinchfield Award - Michael F. Shepard, MD "Does Cementation Technique Influence the Strength of Roughened and Polished Femoral Components?"

1999 Awards
Otto Aufranc Award - Frank W. Chan, PhD "Wear and Lubrication of Metal-on-Metal Hip Implants"
John Charnley Award - John J. Callaghan, MD "Practice Surveillance: A Practical Method to Assess Outcome and to Perform Clinical Research"
Frank Stinchfield Award - Javad Parvizi, MD, FRCS "Sudden Death During Primary Hip Arthroplasty"

1998 Awards
Otto Aufranc Award - Anthony M. DiGioca, MD "An Image Guided Surgical Navigation System for the Accurate Measurement and Alignment of Acetabular Implants"
John Charnley Award - Rocco Paolo Pitto, MD "Prophylaxis of Fat and Bone Marrow Embolism in Cemented Total Hip Arthroplasty"
Frank Stinchfield Award - David J. Schneider, MD "The Effects of Perioperative Radiation on the Inhibition of Heterotopic Ossification about the Hip: An Animal Model in the Rabbit"
1997 Awards
Otto Aufranc Award - Gwo-Jaw Wang, MD "Lovastatin Prevents Steroid-Induced Adipogenesis and Osteonecrosis in Vitro and in Vivo"
John Charnley Award - Arun S. Shanbhag, PhD "Potential Inhibition of Wear Debris-Mediated Osteolysis in a Canine: Total Hip Arthroplasty (THA) Model"
Frank Stinchfield Award - Jon D. Hop, MD "An IN VIVO Model of Third Body Wear Contribution of Cable Debris Generation to Accelerated Polyethylene Wear and Acetabular Component Loosening"

1996 Awards
Otto Aufranc Award - William J. Maloney, III, MD "Femoral Bone Remodeling after Total Hip Arthroplasty: The Skeletal Response to Well-Fixed Cemented and Cementless Components"
John Charnley Award - Vincent D. Pellegrini, Jr., MD "The Natural History of Thromboembolic Disease following Hospital Discharge after Total Hip Arthroplasty: The Case for Routine Surveillance"
Frank Stinchfield Award - Tina Maxian, MS "Three Dimensional Sliding/Contact Computational Simulation of Acetabular Wear in THA"

1995 Awards
Otto Aufranc Award - John P. Collier, DE "Impact of Gamma Sterilization on Clinical Performance of Polyethylene in the Hip"
John Charnley Award - Nigel E. Sharrock, MB "Thrombogenesis during Total Hip Replacement"
Frank Stinchfield Award - Raymund Woo, MD "Pulmonary Fat Embolism: The Effects of Three Cement Removal Techniques in a Canine Revision Total Hip Arthroplasty Model"

1994 Awards
Otto Aufranc Award - John D. Bobyn, PhD "The Susceptibility of Smooth Implant Surfaces to Peri-Implant Fibrosis and Mitgration of Polyethlene Wear Debris"
John Charnley Award - Harry A. McKellop, PhD "The Origin of Sub-Micron Polyethylene Wear Debris in Total Hip Arthroplasty"
Frank Stinchfield Award - Peter Devane, MD "The Measurement of Polyethylene Wear in Metal-Backed Acetabular Components"

1993 Awards
Otto Aufranc Award - Robert B. Bourne, MD "Cemented Versus Cementless Total Hip Replacement: Cost Effectiveness and its Impact on Health Related Quality of Life"
John Charnley Award - Clinton Rubin, PhD "Promotion of Bony Ingrowth by Frequency Specific, Low Amplitude Mechanical Strain"
Frank Stinchfield Award - James MacKenzie, MD "Areas of Contact and Extent of Gaps with Implantation of Oversized Acetabular Components in Total Hip Arthroplasty"

1992 Awards
Otto Aufranc Award - L. J. Ruland, MD "A Comparison of Magnetic Resonance Imaging to Bone Scintigraphy in Early Traumatic Ischemia of the Femoral Head"
John Charnley Award - Charles A. Engh, MD "Quantitation of Implant Micromotion, Strain Shielding and Bone Resorption with Porous Coated AML Cementless Femoral Prostheses Retrieved at Autopsy"
Frank Stinchfield Award - Roger H. Emerson, Jr., MD "Cortical Strut Allografts in the Reconstruction of the Femur in Revision Total Hip Arthroplasty"

1991 Awards
Otto Aufranc Award - Michael H. Huo, MD "Intraoperative Heparin Thromboembolic Prophylaxis in Primary Total Hip Arthroplasty. A Prospective, Randomized, Controlled, Clinical Trial"
John Charnley Award - Thomas P. Schmalzried, MD "The Mechanism of Loosening of Cemented Acetabular Components in Total Hip Arthroplasty: Analysis of Specimens Retrieved at Autopsy"
Frank Stinchfield Award - Patrick E. Greis, MD "A Long Term Study on Defect Filling and Bone Ingrowth using a Canine Fiber Metal Total Hip Model"

1990 Awards
Otto Aufranc Award - John D. Bobyn, PhD "The Effect of Stem Stiffness on Femoral Bone Resorption after Canine Porous Coasted Hip Replacement"
John Charnley Award - Sam Nasser, MD, PhD "Cementless Total Joint Arthroplasty Prostheses with Titanium Alloy Articular Surfaces: A Human Retrieval Analysis"
Frank Stinchfield Award - Stephen B. Murphy, MD "Acetabular Dysplasia in the Adolescent and Young Adult"

1989 Awards
Otto Aufranc Award - Thomas Trancik, MD "The Effect of Indomethacin, Aspirin, and Ibuprofen on Bone Ingrowth into a Porous Coated Implant."
John Charnley Award - Hajime Sugiyama, MD "Examination of Rotational Fixation of the Femoral Component in Total Hip Replacement: A Mechanical Study of Micromovement and Acoustic Emission"
Frank Stinchfield Award - William J. Maloney, III, MD "Biomechanical, Histologic, and Fractographic Studies of Femurs Retrieved from Patients who had Undergone Cemented Total Hip Replacement up to 17 Years Earlier."

1988 Awards
Otto Aufranc Award - J. D. Spencer, MB, MRCP, FRCS "Avascular Necrosis and the Blood Supply of the Femoral Head"
John Charnley Award - Gary M. Russotti, MD "Cemented Total Hip Arthroplasty using Contemporary Techniques: A Five Year Minimum follow-up Study"
1987 Awards
Otto Aufranc Award - Win S. Chang, MD "Biomechanical Evaluation of Anatomic Reduction vs. Medial Displacement Osteotomy in Unstable Intertrochanteric Fractures"
John Charnley Award - Rudolph G. T. Geesink, MD "Chemical Implant Fixation using Hydroxyl-Apatite Coatings"
Frank Stinchfield Award - Jon J. P. Warner, MD "The Role of Core Decompression in Treatment of Non-Traumatic Osteonecrosis of the Femoral Head"

1986 Awards
Otto Aufranc Award - Guy D. Paiement, MD "Dramatic Advances in Efficacy, Safety and Cost Containment in Prevention of Venous Thromboembolic Disease in Hip Surgery Patients."
John Charnley Award - Gary M. Russotti, MD "The Efficacy of using Hydroxyapatite Tricalcium/Phosphate Particles to Enhance the Biologic Fixation of a Titanium Fiber Metal Canine Femoral Component with a Non-Interference Fit."
Frank Stinchfield Award - Gwo-Jaw Wang, MD "Improvement of Femoral Head Blood Flow in Steroid-Treated Rabbits using Lipid-Clearing Agent."

1985 Awards
Otto Aufranc Award - Dana C. Mears, MD "Fractures of the Acetabulum"
John Charnley Award - Robert B. Bourne, MD "The Effect of Endoprosthetic Mismatch and Metal or Non-Metal Backed Acetabular Components on "In Vitro" Pelvic Stresses"
Frank Stinchfield Award - John J. Callaghan, MD "Reimplantation for Salvage of the Infected Hip: Rationale for the use of Gentamicin Impregnated Cement and Beads."