

## WISHBONE TRUST GRANTS

YEAR	REQUESTED BY	PURPOSE OF GRANT
<b>2004</b>		
	Bone and Joint Decade	Education, Community Service, Research and other
	Barry Donaldson, Physiotherapist Principle Research, Christchurch	Comparison of a progressive, non-aggravating strengthening programme versus usual post-operative regime for lumbar spine
	David Gwynne-Jones	Review of Morscher Cup
	Rocco P Pitto and Iain Anderson	Accuracy of computer assisted navigation in total knee
	Asst Prof C A Poole	Profiling gene expression in tissue-engineering neocartilage
	Stewart Walsh	Outcome of large osteochondral fracture of femoral condyle fixed with polylycolic rods
<b>2005</b>		
	Suzie Mudge and Sue Stott	Step watch Activity monitor/PHD student fees
	Neil Broom and Peter Robertson	Doctoral thesis IV Disc wall
	Bone and Joint Decade	
	Dawson Muir	Camera for Gait Analysis
	Dr James Myers	Study of congenital dysplasia of the hip
	Rick Wilson and Andy Meighan	Data projector for educational purposes
	Dr Tim Woodfield	Knee joint replacement,, Posterior Ligament
	Hamish Deverall, R Pitto and I Anderson	Pathology of osteoarthritis
<b>2006</b>		
	Bone and Joint Decade	
	Bruce Hodgson	Scoliosis Model
	Simon Hadlow/ Jacob Munro	Promial Tibial Bone Density following unicompartmental knee arthroplasty
	James Burn	Polymide Joint Replacement
	Jacob Munro	Conducting first year PhD
	Rocco Pitto and Iain Anderson	Accuracy of computer assistant navigation in resurfacing hip arthroplasty
	Dr Tim Woodfield, Ass Prof Tim Yandle, Prof Alastair Rothwell	Cell therapy for cartilage, bone and spinal cord repairs

<b>2007</b>		
	Bone and Joint Decade	
	Dr Fraser Taylor	Outcome of cemented vs uncemented hemiarthroplasty
	Jan Caudwell	Morscher Cup Review
	Dr Tim Woodfield	Cartilage Tissue Engineering using Smart Scaffold Design and Advanced Bio-Manufacturing
	Asst Prof Neil Broom, Dr Ashvin Thambyah, Dr Peter Robertson	Optical Microscope with Differential interference contrast
	Simon Young, Alpesh Patel and Matthew Tomlinson	Weight Bearing in the Treatment of Acute Achilles Tendon Ruptures
	Richard Lander, Dr Amarjeet Singh	The effect of low frequency vibration on the healing of Tibia Fractures
<b>2008</b>		
	Michael Caughey	Rotator Cuff Registry
	Brett Krause	Osteoporosis Study
	Dr Tim Woodfield, Asst Prof Gary Hooper	Development of device for Prototyping of porous orthopaedic implants
	Dr Tim Woodfield and Assoc Prof Gary Hooper	Cartilage Tissue Engineering
	Dr Rowan Schouten and Assoc Prof Gary Hooper	Randomised Prospective study comparing Ceramic on metal and metal on metal top hip arthroplasty bearing surfaces
	Prof Alastair Rothwell	Employment of a Statistician
	Mr Craig Ball	Shoulder Dislocation in Young Adults
	Dr Lyndon Bradley	Wrist MR Arthrography in Carpal Ligament Injury
	Prof Jean-Claude Theis	Nerve Infusion versus Patient Controlled Analgesia following Primary Total Knee Replacement
	Hamish Crawford	Familial Congenital Bowing of the Tibia with pseudarthrosis and pectus excavatum- a 30 year follow up
	Assoc Prof Jean-Claude Theis and Dr Markus Melloh	The Dunedin Acute Back Pain Study
	Hamish Love	Comparison of Technique of Surgical Treatment for Weber C Ankle Fractures

<b>2009</b>		
	Chris Bossley	Bone and Joint Decade
	Dr Fraser Taylor	Cemented vs Uncemented Hemiarthroplasty
	David Gwynne-Jones and Deb Hancock	Audit of the results of treatment of Achilles Tendon Ruptures
	Neil Broom and Peter Robertson	The Annular Endplate Junction – an important region linked to disc
	Drs Tim Woodfield, Mark Staiger and Ms Thanh Nguyen	Development of Biodegradable Metallic Screws, Rods and Plates for Orthopaedic Applications
	Haemish Crawford	Study to Localise the Gene for a Familial cause of Limb Bowing and Pseudarthrosis
	Haemish Crawford	Research grant to help fund a randomised control trial using oral antibiotics
	Rowan Schouten	Ceramic on Metal Bearing Arthroplasty Trail
<b>2010</b>		
	Dr Harry Stracey-Clitherow Mr Tim Gregg	Controlled trial investigating the outcomes of clavicle fracture management
	Dr Angus Jennings, Assoc Prof Gary Hooper	C-Natriuretic Peptide and Spinal Cord Injury
	Assoc Prof Gary Hooper	Comparison of Radiological and functional outcomes following the Oxford Medical unicompartmental arthroplasty
	Vickie Shim, Iain Anderson and Jillian Cornish	Finding links between knee injuries and cartilage degeneration
	Dr Josh Kempthorne	Minimising the risk of further peri-prosthetic femoral shaft fractures
	Assoc Prof Jean-Claude Theis, Dr Markus Melloh	Low back pain
	Mr Haemish Crawford, Dr Matt Boyle	Outcome of total hip joint replacement in patients with a history of SUFE and Dysplasia and Perthes
	Mr Chris Bossley	Bone and Joint Decade – to represent NZ at overseas meeting
	Simon Young, Alpesh Patel and Matthew Tomlinson	Weight Bearing in the Treatment of Acute Achilles Tendon Ruptures
	Neil Broom	The Annular Endplate Junction

<b>2011</b>		
	Neil Broom, Ashvin Thambyah and Mr Kelly Vince	How and Why Ligaments Fail
	Neal Singleton and Mr Andrew Stokes	Optimal management of displaced extra articular distal radius fractures in the elderly
	Dr Bruno de Carvalho and Jan Caudwell	Modular versus all polyethylene tibial component
	Dr Matt Boyle	Should ankle syndesmosis screws be removed
	Drs Sue McGlashan and Shamin Shaikh	Elucidating the role of the receptors for advanced glycation end products in the onset and development of osteoarthritis
	Dr Matthew Debenham	Investigating the phenomenon of incomplete liner seating in modular hard bearing acetabular components used in hip replacements
	Drs Adriaan Smith, Nigel Gilchrest, Assoc Prof Gary Hooper, and Assoc Prof Chris Frampton	Precision of the iDXA in measuring bone density around an uncemented acetabular component in total hip arthroplasty
	Dr Anand Segar	Fund laboratory and scientific costs of undertaking a PhD study at the University of Oxford
	Vickie Shim, Iain Anderson, Jill Cornish and Richard Aspden	Is Osteoarthritis just a wear and tear of cartilage
<b>2012</b>		
	Vickie Shin, Iain Anderson and Assoc Prof Rocco Pitto	Unifying algorithm for predicting progress of total hip arthroplasty with finite element models.
	Simon Young and Otis Shirley	Space suits and intraoperative wound contamination detected by PCR. Once further information received
	Warwick Duncan, A. Sharma, John Wadell	Could surface modification of titanium-zirconium alloy by anodization improve osteointegration?
	Jan Caudwell TORSI	Purchase of a replacement printer for the Tauranga Orthopaedic Research Society Inc It was noted that the purchase of this printer would not directly contribute to research.
	Neal Singleton	Retrospective review to determine whether there are differences between Maori and non-Maori patients in the severity of their osteoarthritis preoperatively and their postoperative outcomes following hip and knee arthroplasty

<b>2013</b>		
	Neil Broom	The biomechanical significance of the double-bundle structure of the anterior cruciate ligament
	Simon Young	Reducing Deep Infection in Total Knee Arthroplasty
	Justin Fernandez, Jacob Munro	Testing the Hypothesis that F-NaF Hotspots are linked to Bone Stress, Bone Mineral Density and Pain
	David Gwynn Jones	16-20 year Radiographic Review of the Morscher Press-Fit Acetabular Component
	Ryan Gao	Engineering Musculoskeletal Tissue - Ph.D Thesis
<b>2014</b>		
	Dr Megan Wilson	Towards a better understanding of adolescent idiopathic scoliosis biology
	Prof Warwick Duncan	The use of Periosteum-Derived Mesenchymal Multipotent Progenitor Cells for Bone Regeneration on Titanium Surfaces
	Dr Matthew Street	Bone burrings collected during the approach and preparation for spinal fusion are an effective bone graft material
<b>2015</b>		
	Rowan Schouten	To optimize the outcomes for patients with spinal cord injuries
	Justin Fernandez, Peter Robertson, Jacob Munro	Fund a pilot study to evaluate the effects of implant placement in spinal fusion devices to improve long term outcomes
	Geoffrey Handsfield, Prof Sue Stott	To apply mathematical and engineering approaches to biology and medicine to improve understating and diagnosis and treatment of disease
	Dr Gordon Burgess	Medium to long term outcomes from severe unstable ankle fractures requiring operative fixation – the hidden complication
	Mr Russell Tregonning and Dr Neil Stewart	To assess orthopaedic education to patients receiving hip and knee replacements
	Mr Simon Young	Gait analysis comparison in TKR
<b>2016</b>		
	Mr Matthew Boyle, Charlotte Trevella	NZJR study of functional outcomes and revision rates of total hip arthroplasty in patients under 35
	Mr Matthew Boyle, Mr Craig Ball, Michael van der Merwe	Reverse Shoulder Arthroplasty compared with Hemiarthroplasty in the treatment of Acute Proximal Humeral Fractures

	Mr Matthew Boyle, Mr Haemish Crawford, Michael van der Merwe	The Effect of Antibiotic Timing on Culture Yield in Paediatric Musculoskeletal Infection
<b>2017</b>		
	Thomas Kuperus, Georgina Chan, Vaughan Poutawera	Short Exeter Stems vs Standard Length Stems in Total Hip Joint Arthroplasty
	Brendan Coleman, Craig Ball, Adam Dagleish	Total Shoulder Arthroplasty – Anchor Peg Glenoid Prosthesis
	Tyler Rudolph	Paediatric Spine Infection
	James Recordan, Haemish Crawford, Sue Stott	Talipes Equinovares
	Alistair Maney	Patella Resurfacing
	Nicholas Lash, Lloyd Roffe	TXA Antibacterial Study
	Annabel Dekker	Cerebral Palsy Audit
<b>2018</b>		
	John Zhang, Geoff Anderson	Surgical Approaches in Hip Arthroplasty in Obese Patients