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Curriculum Vitae

With specific reference to Venous Thromboembolism

AWARDS

Hunterian Professor, *Royal College of Surgeons 1998*

HIGHER DEGREE

MD, University of Bristol, October 1995
Degree by original research and dissertation
Deep Vein Thrombosis after Total Hip Replacement

COMMITTEES

- NICE Orthopaedic Guideline Development Group June 2008-Jan 2010
- Orthopaedic Advisory Board, Johnson and Johnson 2008- 2009
- DOH Venous Thromboembolism Independent Expert Working Group 2006-7
- Chairman, International Surgical Thrombosis Forum Guidelines Committee 2005-7
- Editorial Member, International Consensus Statement Committee on Prevention of Venous Thromboembolism 1996, 2000, 2005
- Editorial Board, Journal of Bone and Joint Surgery 2005 -
- Witness, Parliamentary Select Committee on Thromboembolism, Dec 2004
- Foundation member, INATE UK (INvestigators Against ThromboEmbolism) 2005
- Chairman, BOA Thromboembolism Conference, Sept 2003
- Chairman, Scientific Committee, Glory (International Orthopaedic Registry) 2003-6
- Thromboprophylaxis Advisory Boards (Various), 2000-2005
- THRIFT 2 Panel, Steering Committee 1996-1997
- Co-opted member of the British Orthopaedic Association Guidelines and Outcomes Committee, to advise on DVT prophylaxis 1994-1995

JOURNAL WORK

Editorial Board Member, Journal of Bone and Joint Surgery 2005-2009

I have reviewed papers concerning thromboembolism for the *Journal of Bone and Joint Surgery, Hip International, Clinical Orthopaedics, Injury, Thrombosis Haemostasis, Lancet*

Grant application reviews:
HTA, Scottish Executive

Advisor, BOA "Primary Total Hip Replacement: a guide to good practice" Published 2006

PUBLICATIONS

2010

- Warwick D, Roschensher N. *The "Critical Thrombosis Period" in Major Orthopedic Surgery: When to Start and When to Stop Prophylaxis* Clinical and Applied Thrombosis/Hemostasis. Volume 16 Number 4 July/August 2010 394-405

2008

- **Warwick DJ**, Dewbury K 2008. *A novel approach to mechanical prophylaxis: calf impulse technology mimics natural ambulation nmore effectively than sequential calf compression.* Int J Angiol ; 17 : 197-201
- Millen S, **Warwick D** 2008. Implementing standards for prophylaxis against venous thromboembolism. Hospital Pharmacist 15, 375-376
- **D. Warwick**, O. E. Dahl, and W. D. Fisher. 2008. *Orthopaedic thromboprophylaxis: Limitations of Current Guidelines.* J Bone Joint Surg Br, Feb **2008**; 90-B: 127 - 132.
- Pellegrini VD Jr, Sharrock NE, Paiement GD, Morris R, **Warwick DJ**. 2008 *Venous Thromboembolic Disease after Total Hip and Knee Arthroplasty : current perspectives in a regulated environment.* AAOS Instructional Course lectures. 57 : 637-661.

2007

- **D. Warwick**, R. J. Friedman, G. Agnelli, E. Gil-Garay, K. Johnson, G. FitzGerald, and F. M. Turibio 2008. *Insufficient duration of venous thromboembolism prophylaxis after total hip or knee replacement when compared with the time course of thromboembolic events: Findings from the GLORY Global Orthopaedic Registry.* J Bone Joint Surg Br, Jun **2007**; 89-B: 799 - 807.
- **Co-contributor** Report of the independent expert working group on the prevention of venous thromboembolism in hospitalised patients Department of Health 2007
- Cohen A, Skinner J, **Warwick DJ** Brenkel I,. *The use of graduated compression stockings in association with fondaparinux in surgery of the hip.* J Bone Joint Surg 2007;89B:887-892
- **Warwick DJ** *DVT Prophylaxis in Orthopaedic Surgery.* European Musculoskeletal Review 2007 48-50

2006

- **Co-contributor** International Consensus Statement International Angiology 2006

Prior to 2006

- **Warwick DJ.**, *New concepts in Orthopaedic Thromboprophylaxis* J Bone Joint Surg 2004;86B:788-92
- **Warwick DJ** *Venous Thromboembolism following major orthopaedic surgery: does it really matter?* Thrombosis and Haemostasis, January 2004 (supplement)
- **Warwick DJ** *Venous thromboembolism following orthopaedic surgery- does it really matter?* Thrombosis and Haemostasis, Jan 2004, 10-12
- **Warwick DJ.** *Post-operative thromboprophylaxis- an orthopaedic surgeon's view.* Current Haematology Reports 2003,2:411-416
- **Warwick DJ.** Current concepts in thromboprophylaxis following hip fracture. Current Orthopaedics 2003, 17:215-222
- **Warwick D**, Pandit H, Shewale S, Sulkin K. *Should stockings be used with the AV Impulse system?* J Arthroplasty 2002;17:446-448.
- **Warwick D**, Harrison J, Whitehouse S, Mitchelmore A, Thornton M. A randomized comparison of a foot pump and low molecular weight heparin in the prevention of deep vein thrombosis after total knee replacement. J Bone Joint Surg 2002;84B:344-350
- **Warwick DJ** *Thromboembolism in Orthopaedics-Observation and experiment.* Ann R Coll Surg Eng 2002;84:118-121
- **Warwick DJ**, Samama MM. *The contrast between radiological and clinical outcomes in orthopaedic thromboembolism.* J Bone Joint Surg 82B.2000
- International Consensus Statement International Angiology, 20:1-37 2001
- Gillespie W, Gregg P, Murray D, **Warwick DJ.** *Thromboprophylaxis in Orthopaedic Surgery.* J Bone Joint Surg (2000) 82B.

- THRIFT Consensus Group. *Risk of and prophylaxis for venous thromboembolism in hospital patients*. Phlebology (1998)13:87-97
- **Warwick DJ**, Harrison J, Glew D, Mitchelmore A, Peters T, Donovan JA *randomised trial comparing a Foot Pump with low molecular weight heparin in the prevention of deep vein thrombosis after total hip replacement*. J Bone Joint Surg (American), 1998;80A:1158-1166
- **Warwick DJ**, Whitehouse S. *Clinical thromboembolism after Total Knee Replacement*. J Bone Joint Surg 1997: 79B:780-786
- **Warwick DJ**. *Prophylaxis in Orthopaedics*. Clinical Risk 1997;3:103-108
- Harrison J, Warwick DJ, Coast J. *Economics of prophylaxis in Total Hip Replacement Surgery*. Pharmacoeconomics 1997;12:30-41
- Ansari S, **Warwick DJ**, Newman JH, Ackroyd CE. *Fatal pulmonary embolism after knee replacement*. J Arthroplasty 1997;12 (6):509-602
- **Warwick DJ**, Perez JV, Vickery C, Bannister GC. *Chronic venous insufficiency after total hip replacement*. J Arthroplasty 1996;11:529-533
- Weale AE, **Warwick DJ**, Durrant N. *Is there a clinical interaction between low molecular weight heparin and non-steroidal analgesics after total hip replacement?* A Royal Coll Surg 1995;77:35-7.
- **Warwick DJ**, Williams MH, Bannister GC. *Death and thromboembolic disease after total hip replacement without routine use of chemical prophylaxis*. J Bone Joint Surg 1995;77:6-10
- Perez J, **Warwick DJ**, Case CP, Bannister GC. *Death after femoral neck fracture - an autopsy study*. Injury 1995;26:237-240
- **Warwick DJ**, Glew D, Mitchelmore AE, Bannister GC. *Peri-operative low molecular weight heparin- is it effective and safe?* J Bone Joint Surg (Br) 1995; 77B:715-8
- **Warwick DJ**, Thornton MJ, Freeman S, Bannister GC, Glew D, Mitchelmore AE. *Computerised strain gauge plethysmography in the diagnosis of symptomatic and asymptomatic venous thrombosis*. British Journal of Radiology 1994;67:938-40
- **Warwick DJ**, Martin A, Glew D, Bannister GC. *Measurement of femoral vein blood flow during total hip replacement. Duplex ultrasound with and without the use of a foot-pump*. J Bone Joint Surg, 1994;76-B:918-921.

BOOK CHAPTERS

- **Oxford Textbook of Orthopaedics** 2nd Edition (Due 2010) Chapter on Venous Thromboembolism
- **Handbook of Low Molecular Weight Heparin** Perry D, **Warwick D**, Gozzard D Current medical Group London 2006
- New Edition 2010 in preparation
- **Improving Outcomes after Hip Fracture (Waddell J, due 2010)**
Thromboprophylaxis
- **Thromboprophylaxis. The Knee**. Ed Cushner et al.,. Due 2010
- **Thromboprophylaxis. EFORT Textbook of Trauma and Orthopaedics** Due 2011

OTHER

- **JBJS Podcast. 6 recent papers on Thromboembolism. 2010**

INTERNET PUBLICATIONS

Warwick D 2010 Supplementary opinion on “*Venous Thromboembolism Following Prolonged Cast Immobility For Achilles Tendon Injury*” JBJS.org

Warwick D Reading List: thromboprophylaxis. JBJS.org.uk/misc/RLthromboprophylaxis.dtl

Warwick D Supplementary opinion on “*prophylaxis of DVT in fractures below the knee*” JBJS.org.uk 2009

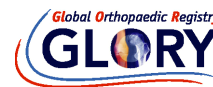
Contributing Author

2010

Treasure et al *Developing guidelines for venous thromboembolism for The National Institute for Clinical Excellence Involvement of the orthopaedic surgical panel* J Bone Joint Surg [Br] 2010;92-B:611-16. **(Member of NICE panel)**

2008

Friedman RJ, Gallius AS, Cushner F, Fitzgerald G, Anderson R et al
2008 *Physician compliance with guidelines for deep vein thrombosis prevention in total hip and knee arthroplasty*. Current medical Research and Opinions 24: 87-97 **(Contributor as Co-Chairman 2003-2007)**



INVITED LECTURES

- International Surgical Thrombosis Meeting, 2006, 2005, 2006,
- Global Thrombosis Meeting 2010, 2009
- EFORT 2005, 2007, 2008
- AAOS Instructional Course 2005, 2006
- Western Indian Orthopaedic Association, 2004
- Italian Vascular meeting, Milan 2004
- EFORT Symposium, Brussels 2004
- EFORT Symposium, Rome 2003
- Girdlestone Meeting, Belfast 2003
- AOA Meeting, Charleston, 2003
- German Orthopaedic Society Munich May 2003
- Arab World Cardiovascular Meeting, Cairo, Oct 2002
- EFORT/German Orthopaedic Society Sep 2002
- Windsor Orthopaedic Society Nov 2002
- BOTA Congress June 2002
- Iranian ICU Congress Jan 2002
- South African Arthroplasty Association May 2002
- Turkish Arthroplasty Association, May 2001
- South African Arthroplasty Association May 2001
- Slovenia, Ljubljana Oct 2001
- 3rd VTE Experts Symposium, Budapest, Sept 2000
- Orthofix Congress, Riva March 2000
- British Society of Haematology Bournemouth March 2000.
- Summer University, Edinburgh, 1999, 1997
- Postgraduate Meetings, Melbourne, Sydney 1998
- Pulmonary Embolism Collaborators Meeting, Sept 1997.
- Royal Society of Medicine May 1997. *International Consensus Statement, Unanswered questions in thromboprophylaxis*
- Royal College of Surgeons April 1997. *Prevention of Venous thrombosis and Thromboembolism in Orthopaedic Practice*
- Royal Society of Medicine February 1995. *Why Orthopaedic Surgeons doubt the efficacy of anticoagulants after hip replacement. Thromboembolism after joint replacement without routine prophylaxis.*
- St Georges Postgraduate Programme Feb 1997. *Thromboprophylaxis*
- Oswestry Postgraduate Programme April 1995. *Mechanical thromboprophylaxis. Investigation of thrombosis after joint replacement*
- PEP Collaborators Meeting June 1995. *Thromboprophylaxis*
- South West Anaesthetists Annual Meeting Nov 1995. *Mechanical Prophylaxis and the AV Impulse Foot Pump*
- Leicester Postgraduate Programme May 1996. *Prophylaxis for DVT in Orthopaedic Surgery*
- Paris October 1996. (GETHCAM). *Chronic venous insufficiency after THR; The efficacy of thromboprophylaxis in orthopaedics*

PRIZES

- **Scientific Prize 1997.** South West Orthopaedic Club. Thromboembolism after Total Knee Replacement
- **Robert Jones Gold Medal (Proxime Accesit) 1996.** Deep vein thrombosis after total hip replacement. British Orthopaedic Association
- **Research Travel Awards for Orthopaedic Trainees 1996.** Chronic venous insufficiency after total hip replacement. *Smith & Nephew Surgical*
- **Orthopaedic Residents Prize 1994.** Femoral vein blood flow during total hip replacement. *Smith & Nephew Richards*. For best scientific paper- worldwide competition
- **Scientific Prize 1994.** A short course of low molecular weight heparin. *South West Orthopaedic Club*. For best paper at scientific meeting
- **Gary Hampson Memorial Prize 1994.** The clinical consequences of thromboembolism after hip replacement. *South West Orthopaedic Club*
- **Surgeon in Training Prize 1994 (Runner up).** Death and readmission after total hip replacement. *Rhone Poulenc Rorer*

OTHER

I reviewed the Knee Surgery section of the 2004 ACCP guidelines

Presentations to Learned Societies

* = presenting author, in all other cases, second or later author.

International

- **ISTH May 2009 Practices in prevention of venous thromboembolism in primary hip and knee arthroplasty (Poster)**
- **AAOS Atlanta 2002. Foot Pumps- should stockings be used?**
- **EFORT. Brussels 1999: Low Molecular weight heparin compared with the Foot Pump after total knee replacement.**
- **Combined Meeting of the English Speaking Orthopaedic Associations, Auckland 1998: Plantar pneumatic compression versus low molecular weight heparin in the prevention of deep vein thrombosis after total hip replacement; Clinical thromboembolism after total knee replacement**
- **EFORT, Barcelona, April 1997: Plantar pneumatic compression versus low molecular weight heparin in the prevention of deep vein thrombosis after total hip replacement; Clinical thromboembolism after total knee replacement; Patient acceptability and tolerance of intermittent pneumatic plantar compression; Economics of thromboprophylaxis after total hip replacement**
- **International Society for Thrombosis and Haemostasis, Florence, June 1997: Clinical Thromboembolism after total Knee Replacement; A review of foot pump technology for thromboprophylaxis in Orthopaedic surgery; A critical review of prolonged prophylaxis after hip replacement; Patient acceptability and tolerance of intermittent pneumatic plantar compression; Pneumatic plantar compression versus low molecular weight heparin in the prevention of deep vein thrombosis after total hip replacement; Is there a difference between pneumatic plantar compression and low molecular weight heparin in activation of coagulation following discontinuation of thromboprophylaxis?**
- **European Orthopaedic Research Society, Munich, July 1995: Duplex ultrasound of the femoral vein during total hip replacement*; Does total hip replacement predispose to chronic venous insufficiency?; Death and readmission after total hip replacement***
- **Is there a clinical interaction between low molecular weight heparin and non-steroidal analgesics after total hip replacement*; The efficacy of a short course of low molecular weight heparin in total hip replacement***

- **EFORT, Munich, July 1995** *Death and readmission after total hip replacement**; *Duplex Ultrasound of the femoral vein during total hip replacement**; *The efficacy of a short course of low molecular weight heparin in total hip replacement**
- **XVth International Congress of the International Society on Thrombosis and Haemostasis, Jerusalem, June 1995**
- *Death and readmission after total hip replacement**; *Duplex Ultrasound of the femoral vein during total hip replacement**; *The efficacy of a short course of low molecular weight heparin in total hip replacement**; *Is there a clinical interaction between low molecular weight heparin and non-steroidal analgesics after total hip replacement**
- **European Orthopaedic Research Society, London, April 1994** *The accuracy of a computerised strain gauge plethysmograph**
- **European Hip Society, Crete, June 1994** *The accuracy of a computerised strain gauge plethysmograph in symptomatic patients**. *Is there a clinical interaction between low molecular weight heparin and non-steroidal analgesics after total hip replacement**. *The efficacy of a short course of low molecular weight heparin in total hip replacement**
- **Orthopaedic Residents Conference, Memphis, Aug 1994:** *Duplex Ultrasound of the femoral vein during total hip replacement**
- **Chinese Speaking Orthopaedic Association, Nov 1994:** *Death after total knee replacement from pulmonary embolism*

National

- **British Orthopaedic Association April 1996;** *Chronic venous insufficiency after THR*
- **British Orthopaedic Association, London, April 1994:** *The efficacy of a short course of low molecular weight heparin in total hip replacement**; *Death after femoral neck fracture - a forty year experience.*
- **British Institute of Radiology Scientific Meeting, Harrogate, May 1994:** *The accuracy of a computerised strain gauge plethysmograph in symptomatic patients*
- **British Orthopaedic Research Society, Nottingham, Sept 1994:** *Is there a clinical interaction between low molecular weight heparin and non-steroidal analgesics after total hip replacement**; *Duplex Ultrasound of the femoral vein during total hip replacement**
- **British Orthopaedic Association, Nottingham, Sept 1994:** *Death and readmission after total hip replacement**; *Duplex Ultrasound of the femoral vein during total hip replacement**; *Death after total knee replacement from pulmonary embolism*
- **Royal College of Radiologists Annual Scientific Meeting Oct 1994:** *Pattern of deep venous thrombosis following total hip replacement compared with that in symptomatic patients.*

Regional

- **South West Orthopaedic Club May 1997.** *Symptomatic thromboembolism after total knee replacement*
- **South West Orthopaedic Club Oct 1994.** *Gary Hampson Memorial Lecture**
- **South West Orthopaedic Club, Weymouth, May 1993.** *Patello-femoral Arthroplasty**
- **South West Orthopaedic Club, Cardiff, Oct 1993 .** *Is there a clinical interaction between low molecular weight heparin and non-steroidal analgesics after total hip replacement**

LETTERS

Warwick DJ. A randomised comparison (Reply), *J Bone Joint Surg* 2003;83B:619-620
Warwick DJ, *Proximal thrombosis after THR.* *J Bone Joint Surg (AM).* Jan 1998
 Warwick DJ. *Thromboembolism in Orthopaedic Trauma.* *Injury* 1997;28:233-244
 Weale A, **Warwick DJ,** Durrant N. *Is there a clinical interaction between low molecular weight heparin and non-steroidal analgesics after total hip replacement?* *Lancet,* October 1993
Warwick D. *Antiplatelet thromboprophylaxis after hip fracture.* *J Bone Joint Surg* 1995;77:163

- Warwick D.** *Prophylaxis of deep vein thrombosis.* J Bone Joint Surg 1995;77:334
- Warwick D.** *Femoral vein blood flow during THR.* J Bone Joint Surg 1995;77:335-6
- Warwick D,** Bannister G, Williams MH. *Death and thromboembolic disease after hip replacement.* J Bone Joint Surg 1995;77:664
- Warwick D.** *Measurement of femoral vein blood flow during THR.* J Bone Joint Surg 1995;77:668
- Warwick D,** Freeman MAR. *Differences in mortality after fracture of the hip.* B Med J 1995;331:572
- Warwick D.** *Perioperative low molecular weight heparin.* J Bone Joint Surg 1996;78B;167-8
- Warwick D.** *Bone cement and deep vein thrombosis.* J Bone Joint Surg 1996;78B;166

GRANTS AWARDED

- **South & West Regional Research Committee.** April 1997. £75000 to investigate *Foot Pump Technology after Knee replacement*
- **Regional Research Fellowship.** October 1992. £23000 to fund a one year *Research Fellowship at Bristol University to study Aspects of Deep Venous Thrombosis After Total Hip Replacement (June 1993 to June 1994), leading to prospective submission of an MD thesis.*
- **Wishbone Appeal, British Orthopaedic Association.** November 1991. £20000 to *purchase diagnostic tests and equipment for this research.*
- **Laming Evans Orthopaedic Fellowship.** September 1992. £2000 to *purchase computer equipment to run this research*
- **Southmead Health Authority.** December 1993. £2000 to *purchase a 35mm camera and to lease an LRR photoplethysmograph for post-phlebitic limb study*
- **Wishbone Appeal, Association.** March  **British Orthopaedic** 1995. £8000 to *investigate thromboembolic morbidity after total knee replacement.*
- **South West Regional Health Authority.** March 1995. £96500 to *compare the Foot Pump with Low Molecular Weight Heparin after THR*

THESIS SUPERVISION

I have supervised supervising a postgraduate Pharmacist in his successful **PhD** dissertation entitled "*Thromboprophylaxis after hip replacement*".

July, 10