

CURRICULUM VITAE

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DATE OF BIRTH: 17 October 1957

PLACE OF BIRTH: Grimsby, England, United Kingdom

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CURRENT POSITION: Invasive Cardiologist
Great Plains Regional Medical Center
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Interventional Cardiologist
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Interventional Cardiologist
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Interventional Cardiologist
Oklahoma Heart Hospital South campus
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CERTIFICATIONS: Education Commission Foreign Medical Graduates 1985

Fellow of the Royal Australian College of Physicians 1987
(General Medicine and Cardiology)

Federation Licensing Examination 1989

LICENSURE: South Australia, Australia 1982
Oklahoma, USA 1989
Kansas, USA 1992
Queensland, Australia 1998

MEMBERSHIP: Cardiac Society of Australia and New Zealand 1986
North American Society of Pacing and Electrophysiology 1996

EDUCATION: Bachelor of Medicine, Bachelor of Surgery
Flinders University of South Australia 1975-1980

Doctor of Philosophy
Flinders University of South Australia 1987-1993

POSTGRADUATE TRAINING:

1981 Flinders Medical Centre
Bedford Park, South Australia, 5042
Internship

1982-1983 Flinders Medical Centre
Bedford Park, South Australia, 5042
Internal Medicine Residency

1984-1986 Flinders Medical Centre and Royal Adelaide Hospital
Bedford Park, South Australia, 5042
Cardiology Fellowship

1987-1989 Flinders University of South Australia
Bedford Park, South Australia, 5042
National Health and Medical Research Council
Research Fellow

1989-1990 University of Oklahoma Health Science Centre
Oklahoma City, Oklahoma, USA
Interventional Cardiology Fellow

1990-1991 University of Oklahoma Health Science Centre
Oklahoma City, Oklahoma, USA
Clinical Electrophysiology Fellow

1992-1993 Wichita Institute for Clinical Research
Wichita, Kansas, USA
Interventional Cardiology Fellow

AWARDS:

- 1980 Staff Prize in Medicine
Flinders University of South Australia
- 1989 Wellcome Prize in Clinical Research
Flinders Medical Centre
- 1989 CR Blackburn Traveling Fellowship
Royal Australasian College of Physicians
- 1990 Lions Heart Foundation Scholarship
National Heart Foundation of South Australia
- 1991 Searle Abstract Award
North American Society for Pacing and Electrophysiology

WORK EXPERIENCE:

- 1991-1992 Flinders Medical Centre,
Bedford Park, South Australia, 5042
Locum Staff Specialist, Department of Medicine
- 1992 Repatriation General Hospital,
Daw Park, South Australia, 5041
Locum Staff Specialist, Department of Medicine
- 1992-1993 Wichita Institute for Clinical Research,
Wichita, Kansas, USA
Research Associate
- 1993-1998 Private Practice - Cardiology
Enid, Oklahoma, USA
- 1998-2000 Staff Specialist, Cardiology
The Prince Charles Hospital
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REVIEWER:

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Catheterization and Cardiovascular Diagnosis

PUBLICATIONS:

Twidale N, MacKinnon AM, Watts J. Recurrent cholangitis caused by hepatocellular carcinoma. *Aust NZ J Med* 1985; 15:761-2.

Twidale N, Tonkin AM. Progress in arrhythmia management. *Patient Management* 1986; 18-31.

Twidale N, Waddy H, Tonkin AM. Diagnostic evaluation and outcome in patients presenting to a casualty department with syncope or presyncope. *Aust Clin Rev* 1986; 5:136-141.

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Tonkin AM, Twidale N, Hunt D. A survey of management of arrhythmias following myocardial infarction. *Aust NZ J Med* 1987; 17:359-367.

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Tonkin AM, Cranston J, Dorveaux L, Twidale N, Heddle WF. Simple assessment of sinoatrial conduction time after atropine. *J Electrophysiol* 1988; 2:147-154.

Dorveaux L, Twidale N, Tonkin AM. Direct identification of parameters in a mathematical model describing conduction through the atrioventricular node. *Int J Biomed Comput* 1988; 23:69-76.

Dorveaux LD, Twidale N, Robinson N, Tonkin AM. Computer algorithm for modelling transmission over one or two conduction pathways through the AV node. *Am J Physiol* 1988; H1247-1253.

Twidale N, Tonkin AL, Tonkin AM. Programmed stimulation after anterior myocardial infarction complicated by bundle branch block: Late ventricular tachyarrhythmias and outcome. *PACE* 1988; 11:1024-1031.

Twidale N, Heddle WF, Tonkin AM. Procainamide administration during electrophysiology study: Utility as a provocative test for intermittent atrioventricular block. *PACE* 1988; 11:388-397.

Twidale N, Ayres BF, Heddle WF, Tonkin AM. Clinical implications of electrophysiology study findings in patients with bifascicular block and syncope. *Aust NZ J Med* 1988; 18:388-397.

Twidale N, Roberts-Thompson P, Tonkin AM. Transoesophageal electrocardiography and atrial pacing: Diagnostic and therapeutic value. *Aust NZ J Med* 1989; 19:11-15.

Twidale N, Beltrame J, Tonkin AM. Results of cardiopulmonary resuscitation in adult patients managed in a teaching hospital: Clinical outcome and implications. *Aust Clin Rev* 1989; 8:223-27.

Twidale N, Henry L, Morphett A, Tonkin AM. Haemorrhagic myocardial infarction complicated by free wall rupture. A case associated with unusual clinical features following intravenous thrombolytic therapy. *Aust NZ J Med* 1989; 19:138-140.

Twidale N, Gallagher A, Tonkin AM. Echocardiographic study of U-wave inversion in the electrocardiogram of hypertensive patients. *J Electrocardiology* 1989; 22:365-371.

Twidale N, Taylor S, Heddle WF, Ayres BF, Tonkin AM. Morning increase in the time of onset of sustained ventricular tachycardia. *Am J Cardiol* 1989; 64:1204-06.

Twidale N, Oliver J, Menadue M, Tonkin AM. Concentrations of plasma atrial natriuretic factor during and after reversion of ventricular tachycardia. *Br Heart J* 1990; 63:154-56.

Jackman W, Wang X, Friday K, Roman C, Moulton K, Beckman K, McClelland J, Twidale N, Hazlitt A, Prior M, Margolis PD, Calame J, Overholt E, Lazzara R. Catheter ablation of accessory atrioventricular pathways using radiofrequency current: Evaluation in 166 consecutive patients. *N Engl J Med* 1991; 324:1605-1611.

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Jackman W, Beckman K, McClelland J, Wang X, Friday K, Roman C, Moulton K, Twidale N, Hazlitt A, Prior M, Oren J, Lazzara R. Treatment of supraventricular tachycardia due to atrioventricular nodal re-entry by radiofrequency ablation of slow pathway conduction. *N Engl J Med* 1992; 327:313-18.

Twidale N, Roberts-Thompson P, McRitchie RJ. Comparative hemodynamic effects of amiodarone, sotalol and d-sotalol. *Am Heart J* 1993; 126:122-29.

Twidale N, Sutton K, Bartlett L, Dooley A, Winstanley S, Heddle W, Koutsounis H, Hassam R. Effects on cardiac performance of atrioventricular node catheter ablation for drug-resistant atrial arrhythmias. *PACE* 1993; 16:1275-1284.

Twidale N, Rayner T, Menadue M, Cain M, Oliver J, Tonkin A. Atrial natriuretic factor release during rapid ventricular pacing: Interplay between hemodynamic and autonomic stimulants. *Am Heart J* 1993; 125:1638-1644.

Twidale N, Hazlitt HA, Berbari EJ, Beckman KJ, McClelland JH, Prior MI, Lazzara R, Jackman WM. Late potentials are unaffected by radiofrequency catheter ablation in patients with ventricular tachycardia. *PACE* 1994; 17:157-165.

Twidale N, Roberts-Thompson P, McRitchie RJ, Chalmers JP. Comparative haemodynamic effects of verapamil, flecainide, amiodarone and sotalol. *Clin Exp Pharm Physiol* 1994; 21:179-188.

Twidale N, Kipperman RM, Whitehead AW, Blaker AM, Galichia JP. Late onset idiopathic dilated cardiomyopathy in identical twins. *Am Heart J* 1994; 128:839-841.

Twidale N, Barth CW, Kipperman RM, Bowles MH, Galichia JP. Outcome of transluminal extraction catheter atherectomy for saphenous vein graft stenoses. *Cath Cardiovasc Diagn* 1994; 31:187-191.

Twidale N, Val-Mejias JE. Technique to facilitate slow pathway catheter ablation for atrioventricular nodal re-entrant tachycardia. *Japanese Heart J* 1995; 35:595-96.

Twidale N, McDonald T, Nave K, Seal A. Comparison of the effects of AV nodal ablation versus AV nodal modification in patients with congestive heart failure and uncontrolled atrial fibrillation. *PACE* 1998; 21:641-651.

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Twidale N, Manda V, Holliday R, Boler S, Sparks L, Crain J, Carrier S. Mitral regurgitation after atrioventricular node catheter ablation for atrial fibrillation and heart failure: Acute hemodynamic features. *Am Heart J* 1999; 138:1166-1175.

ABSTRACTS:

Calvert AF, Twidale N, Chalmers D, Zimmet LV, West MJ. Exercise testing post-myocardial infarction: Influence on management. *Aust NZ J Med* 1986; 16:552.

Tonkin AM, Twidale N, Dorveaux LD. Use of a model of AV nodal function to assess the significance of dual pathway properties. *Circulation* 1986; 74:II-472.

Twidale N, McRitchie R, Howard P, Aylward P, Oliver J, Lakin C, Hassam R, Minson R, Sage M. Comparison of non-ionic and ionic contrast media during coronary angiography: Acute haemodynamic, hormonal, electrocardiographic effects and angiographic image quality. *Aust NZ J Med* 1987; 17:581.

Twidale N, Tonkin AL, Morphett A, Tonkin AM. Bundle branch block in patients with anterior myocardial infarction: A risk factor for free wall rupture. *Aust NZ J Med* 1988; 18:335.

Twidale N, Robinson N, Dorveaux L, Butrous G, Camm AJ, Tonkin AM. Examination of an exponential model of atrioventricular nodal conduction: Comparison in denervated (transplant) subjects and patients with intact autonomic function. *Aust NZ J Med* 1988; 18:335.

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Prior M, Beckman K, Moulton K, Hazlitt A, Twidale N, Wang X, Calame J, Lazzara R, Jackman W. Radiofrequency catheter ablation of Mahaim fibres at the lateral tricuspid annulus. *JACC* 1991; 17:108A.

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Jackman W, Beckman K, McClelland J, Wang X, Hazlitt A, Moulton K, Prior M, Twidale N, Calame J, Lazzara R. Parahisian RV pacing for differentiating retrograde conduction over septal accessory pathway and AV node. *PACE* 1991; 14:212.

Hazlitt HA, Twidale N, Moulton K, Calame J, Lazzara R, Jackman W. T-wave inversion after radiofrequency ablation of accessory AV pathways. *PACE* 1991; 14:350.

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Hazlitt HA, Jackman W, Beckman K, McClelland J, Wang X, Moulton K, Prior M, Twidale N, Lazzara R. Direct recordings of slow pathway activation in patients with atrioventricular nodal re-entrant tachycardia. *Circulation* 1991; 81:II-234.

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Wang X, McClelland J, Beckman K, Hazlitt H, Prior M, Twidale N, Moulton K, Roman C, Jackman W. Accelerated junctional rhythm during slow pathway ablation. *Circulation* 1991; 81:II-582.

Twidale N, Beckman K, McClelland J, Wang X, Moulton K, Hazlitt H, Prior M, Roman C, Lazzara R, Jackman W. Long-term effects on AV nodal function of radiofrequency ablation of slow pathway for AV nodal re-entrant tachycardia. *Circulation* 1991; 81:II-583.

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Twidale N, Collmann K, Coffman R, Carlson L, Val-Mejias JE. Mechanism of facilitation of fast pathway conduction by slow pathway catheter ablation for AV node re-entry tachycardia. *PACE* 1993; 16(II):1557.

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Walters DL, Masterson ML, Pohlner P, Twidale N. Implantable cardioverter defibrillator is the preferred therapy for ventricular tachycardia complicating corrected tetralogy of Fallot. *Aust NZ J Med* 2000; 30:188.

Denman RA, Walters DL, Twidale N, Masterson ML. The implantation of permanent pacemakers and automatic implantable cardiac defibrillators in patients on warfarin. *Aust NZ J Med* 2000; 30:152.

Riha A, Masterson M, Twidale N. Is Temporary Wire Placement Necessary for Permanent Pacemaker Generator changes? *Aust NZ J Med* 2001; 31:160.