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CURRICULUM VITAE

DR R A COOKE
CONSULTANT CARDIOLOGIST

GUYS AND ST THOMAS NHS TRUST
AND SOUTH KENT HOSPITALS NHS TRUST

NAME: Richard Andrew COOKE

ADDRESS: Seal Lodge
Seal Hollow Road
Sevenoaks
Kent TN13 3SF

DATE OF BIRTH: 19 September 1956

NATIONALITY: British

MDU: 194528B

QUALIFICATIONS:

BA (HONS) LAW	June 1978
MB BCH BAO	June 1985
MRCP (UK)	Feb 1988
MD thesis	April 1996
FRCP (UK)	April 1998

AWARDS and PRIZES:

French Government Scholarship in European Law (1978)

Distinction in Clinical Pharmacology (1983)

Placed second in both McGrath and McConnell Gold Medals for Final Year Medicine (1985)

EDUCATION:

1968 - 75	Methodist College Belfast
1975 - 78	Durham University (Law School)
1978 - 79	Université d'Aix-Marseille (Law School)
1980 - 85	Queen's University Belfast (Medical School)

EXAMINATIONS:

A Levels	Chemistry	Grade A
	Physics	Grade A
	Economics	Grade A
	History	Grade B
	Russian	Grade B

STUDEN ELECTIVE CHU Bretonneau, Université de Tour, France
(3 months general medicine)

PRESENT APPOINTMENT
March 1996 -

Consultant Cardiologist: Guy's and St Thomas' NHS Trust and South Kent NHS Trust.
Maximum part-time appointment based at Guy's and St Thomas' Hospital (3 sessions), and at the William Harvey Hospital, Ashford, Kent (7 sessions).

PREVIOUS APPOINTMENTS
Aug 1985 - July 1986

JHO in Medicine (6 months) and Surgery (6 months), Royal Victoria Hospital, Belfast
JHO to Professor Parkes, Academic General Surgical Unit (3 months)
General Surgery. One in three for surgical emergencies.

JHO to Mr I Gordon, Regional Neurosurgical Unit (3 months)
Specialist neurosurgical unit. One in two for emergencies.

JHO to Professor J Adgey, Regional Cardiac Centre (3 months)
Acute cardiology. Coronary Care Unit. One in three rota coronary care ambulance service.

JHO to Professor D Hadden, Regional Metabolic Unit (3 months)
Specialist endocrine unit. One in two for medical takes.

SHO Training Rotation in General Medicine, Royal Victoria Hospital, Belfast

SHO to Dr J Weaver, Academic Unit for General Internal Medicine (6 months)
General Medicine. One in three for medical takes.

SHO to Professor Bridges, Regional Haematology Unit (6 months)
Specialist haematology and oncology unit.

SHO to Dr J Lyttle, Regional Neurology Unit (6 months)
Specialist neurology. One in three for medical takes.

SHO to Dr J McFarlane, General Medicine at the Ulster Hospital (6 months)
General medicine. One in three for medical takes. One in three for coronary ambulance service.

Sept 1988 - Oct 1989

Registrar in General Medicine and Cardiology, William Harvey Hospital, Ashford, Kent
Registrar to Dr A Norris, Dr S Kenwright, Dr P Wheeler, Dr G Bradley.
General medicine and cardiology. One in three for medical takes. Training in echocardiography, and reporting of 24 Hour monitors and exercise ECGs.

Oct 1989 - Oct 1990

Registrar in Clinical Cardiology, Guy's Hospital, London.
Registrar to Dr E Sowton, Dr P Curry, Dr G Jackson.
Specialist cardiology unit. Training in echocardiography,
pacing and electrophysiology, reporting of 24 Holter monitors
and exercise ECGs. One in three for emergencies.

Oct 1990 - Feb 1996

Cardiology Research Fellow, Department of Cardiology, Guy's
Hospital, London.
Combined clinical and research post.
Number of sessions per week: cardiac intervention (two),
pacing and electrophysiology (two), echocardiography (one),
outpatient clinics (two), undergraduate teaching (one).
Emergency on call one in five.

CLINICAL EXPERIENCE

1. CARDIOLOGY

I commenced my training in invasive cardiology October 1990,
and I am competent in diagnostic cardiac catheterisation, the
implantation of permanent pacemakers, programmed electrical
stimulation studies, and coronary angioplasty.

I teach echocardiography and supervise the work of the cardiac
technicians, and run a weekly echo meeting. I am fully trained
in transoesophageal echocardiography and provide an on call
service for emergencies. I have worked closely with the
cardiothoracic team at Guy's and have experience in
intraoperative echocardiography.

In addition, I have experience of a wide range of cardiac
emergencies, having taken part on an emergency rota (currently
1 in 5) since October 1990 (Registrar/Senior Registrar grade). I
have also experience of dealing with outpatient problems,
attending cardiology outpatient clinics since October 1990.

I was previously employed on the mobile coronary care service
in Belfast at the Royal Victoria Hospital (3 months) and at the
Ulster Hospital (6 months).

2.1 PROCEDURES

CORONARY ANGIOGRAPHY

More than 1500 diagnostic studies performed.

CORONARY ANGIOPLASTY

More than 1000 cases as first operator

ECHOCARDIOGRAPHY

- (1) Transthoracic studies: more than 4000 cases
- (2) Transoesophageal studies: more than 400 studies
- (3) Intraoperative studies: over 100 cases

PERMANENT PACEMAKERS

More than 500 cases, a high proportion of which have been dual
chamber systems.

TEACHING EXPERIENCE

Guest lecturer on advances in echocardiography, 1992 National Heart and Lung Institute

Tutor since 1990 to 1998 on the Guy's MRCP Course

I am involved in teaching both undergraduate and postgraduate students throughout my medical career, providing lectures, tutorials and clinical ward rounds. I have also held classes in resuscitation for nurses and doctors.

MANAGEMENT SKILLS

I first studied the structure and organisation of business organisations during my training in Law.

Director of clinical audit at GSTH 1997 to 2002.

RESEARCH EXPERIENCE

My MD thesis submitted to Queens University Belfast is entitled "Investigations of patients with chest pain and normal coronary angiograms". In this I have: (1) produced a set of criteria which may be used to standardise referrals and reduce the incidence of normal coronary angiograms; (2) investigated the use of simultaneous nuclear perfusion tomography and stress echocardiography in the diagnosis of chest pain; and (3) used oesophageal function tests and psychological measures to explore potential non cardiac causes of chest pain in patients with suspected angina but negative cardiac studies.

I was funded by a British Heart Foundation grant to carry out a prospective study of echocardiographic and electrocardiographic abnormalities in anorexia nervosa.

I have been on the editorial board of the MIMS Handbook of Cardiology since 1998 (latest edition 2004).

15. Keane D, Sulke N, Cooke R, Jackson G, Sowton E (1993) Endocardial cardioversion of atrial flutter and fibrillation. Page:
16. Ryan PJ, Rosenthal E, Cooke R, Maisey M (1992) Myocardial tomographic perfusion imaging using dipyridamole: a comparison of 99 Tc - Sestamibi with Tl 201. Nuclear Medicine Communications: 13; 395.
17. Duffy SJ, Cooke RA, Chambers JB (1994) Cause specific therapy may improve symptom control in patients with chest pain and normal coronary arteries. Australian and New Zealand Journal of Medicine: 24; 631.
18. Tan KH, Henderson R, Sulke N, Cooke R, Karani S, Sowton E (1993) Coronary angioplasty in patients with prior bypass grafting: an alternative to reoperation? British Heart Journal: 70 (Suppl); 141.
19. Granger N, Cooke R, Chambers J (1996) Effective orifice area by the continuity equation in four valve designs in the aortic position. Heart: 75 (Suppl 2); 45.
20. Chambers J, Cooke R, Wang Z (1996) Valve resistance is better than the continuity equation for assessing replacement valves in the mitral position. Heart: 75 (Suppl 2); 46.
21. Hussain A, Cooke R, Rashed K, McNabb WR, Chambers J, Lewis RR (1996) Patent foramen ovale in elderly stroke patients. Age and ageing: 25 (Suppl 1); 7.
22. Mishra B, Cooke R, Jackson G, Chambers J (1996) Changes in systolic and diastolic time intervals during dobutamine stress echocardiography. Heart: 75 (Suppl 2); 46.
23. Mishra B, Cooke R, Jackson G, Chambers J (1996) Split screen analysis of stress echocardiography does not significantly improve sensitivity in detecting coronary artery disease. JACC: 27 (Suppl A); 377A.
24. Cooke R, Wang Z, Hayes A, Chambers J (1996) Left ventricular mass correlates better with valve resistance than effective orifice area in aortic stenosis. Heart: 75 (Suppl 1); P20.
25. Resistance is better than the continuity equation for assessing replacement valves in the mitral position. JACC: 27 (Suppl A); 234A.

PUBLICATIONS

1. Cooke RA, Chambers JB (1993) Echocardiography in the assessment of the patient with suspected infective endocarditis. In *Echocardiography. An international review*. Ed Chambers JB and Monaghan M. pp 127-135 Oxford University Press, London.
2. Cooke RA, Chambers JB, Curry PVLC (1994) Noonan's Cardiomyopathy: a non hypertrophic variant. *British Heart Journal*: 71; 561-565.
3. Cooke RA, Anggiansah A, Wang J, Owen W, Chambers JB (1994) Gastroesophageal reflux in patients with angiographically normal coronary arteries - an uncommon cause of exertional chest pain? *British Heart Journal*: 72; 231-236.
4. Cooke RA, Chambers JB, Singh R, Todd J, Smeeton NC, Treasure J, Treasure T (1994) QT interval in anorexia nervosa. *British Heart Journal*: 72; 69-73.
5. Cooke RA, Wang J, Anggiansah A, Chambers JB, Owen WJ (1996) Hyperventilation and oesophageal motility in patients with non cardiac chest pain. *American Journal of Gastroenterology*: 91; 480-484.
6. Cooke RA, Chambers JB (1995) Anorexia nervosa and the heart. *British Journal of Hospital Medicine*: 54; 313-318.
7. Cooke RA, Chambers JB, Curry PVL (1991) Doppler echocardiography in double orifice left atrioventricular valve. *International Journal of Cardiology*: 32; 254-256.
8. Cooke RA, Chambers JB (1992) The role of echocardiography in the diagnosis and management of infective endocarditis. *British J Clin Practice*: 46; 1-5.
9. Cooke RA (1993) Troubleshooting pacemakers. *Mims Magazine*: 20; 26-27.
10. Cooke RA, Chambers JB (1996) Failure to obtain a transoesophageal echocardiographic window because of a rolling hiatal hernia. *Heart*: 76; 88-89.
11. Cooke RA, Smeeton NC, Chambers JB (1997) Comparative study of chest pain characteristics in patients with normal and abnormal coronary angiograms. *Heart*: 78; 142-146.
12. Cooke RA (1997) Syndrome X. In *Difficult Cardiology III*. Ed Graham Jackson. Martin Dunitz, London. Chapter 9.
13. Cooke RA, Anggiansah A, Wang J, Chambers JB, Owen WJ (1998) Oesophageal abnormalities during manometry, 24 hour ambulatory pH monitoring, and provocation testing in patients with normal coronary anatomy, and in patients with angina. *Gut* Mar.42(3): 323-9.
14. Cooke RA, Ryan P, Malsey M, Chambers JB (1995) Simultaneous ^{99m}Tc MIBI SPECT and exercise stress echocardiography in syndrome X: *European Journal of Nuclear Medicine*: (in press)
15. Cooke RA, Anggiansah A, Owen WJ, Chambers JB (1997) Psychiatric abnormalities and breathing disorder in patients with chest pain and normal coronary angiograms, and in patients with confirmed angina. *American Heart Journal* (under submission)

16. Cooke RA (1997) The treatment of angina. In Mims Handbook of Cardiology. Haymarket Press, London.
17. Cooke RA (1997) Post MI care. In Mims Handbook of Cardiology. Haymarket Press, London.
18. Chambers JB, Cooke RA (1995) What is the place of transoesophageal echocardiography. Postgraduate Doctor: 18, 338-343.
19. Henderson RA, Pipilis A, Cooke RA, Timmis AD, Sowton E (1990) Angiographic morphology of recurrent stenoses after percutaneous transluminal coronary angioplasty: are lesions longer at restenosis. International Journal of Cardiac Imaging: 6, 77-84.
20. Tan KH, Henderson R, Sulke N, Cooke R, Karani S, Sowton E (1994) Percutaneous transluminal coronary angioplasty in patients with prior coronary artery bypass grafting: ten years' experience. Catheter Cardiovascular Diagnosis: 31, 11-17.
21. Chambers JB, Wang Z, Cooke RA, Black MM (1996) A comparison of valve resistance, the continuity equation, the Gorlin formula against directly observed orifice area in bioprosthetic valves in the mitral position. Journal of Heart Valve Disease: 5, 135-143.
22. Misra B, Cooke RA, Jackson GJ, Chambers J (1997) Haemodynamic changes during dobutamine stress echocardiography. International Journal of Cardiology: 58, 71-76.
23. Chambers JB, Cooke RA (1996) What is the place of transoesophageal echocardiography? Postgraduate Doctor Caribbean: 12, 65-70.
24. Misra B, Cooke R, Lythall DA, Chambers J (1997) Left ventricular long axis function improves the accuracy of dobutamine stress echocardiography. Heart: (in press).
25. Lloyd G, Cooke R, Jackson G (1997) Intracoronary nitrates may avoid unnecessary angioplasty. International Journal of Clinical Practice: 51, No 5.
26. Cooke RA (2004) Common Cardiological Conditions - Angina. In MIMS Handbook of Cardiology. Chapter 1 part 2.
27. Cooke RA (2004) Common Cardiological Conditions - Post MI Care. In MIMS Handbook of Cardiology. Chapter 6 part 2.

ABSTRACTS AND PRESENTATIONS

1. Cooke RA, McCance D, McBoyle D, Higginson D (1988) When to discharge after streptokinase for acute myocardial infarction. *Irish Cardiac Society (Cork)*.
2. Cooke RA, Cave M, McBoyle D, Higginson D (1988) Fibrinolytic era - changing patterns of hospital mortality. *Irish Cardiac Society (Cork)*.
3. Cooke RA, Chambers JB, Henderson RA, Anggiansah A, Owen W, Sowton E (1991) Chest pain and normal coronary arteries: a clinical evaluation with oesophageal function tests, exercise ECG, end-tidal pCO₂ measurement and psychiatric scores. *European Heart Journal: 12 (Suppl): 637*.
4. Cooke RA, Chambers JB, Ryan P, Maisey M, Curry PVL (1993) Combined Technetium Sesta MIBI SPECT and exercise stress echocardiography in syndrome X: a controlled study. *European Heart Journal: 14 (Suppl): 1555*.
5. Cooke RA, Chambers JB, Ryan P, Maisey M, Curry PVL (1994) Chest pain despite angiographically normal coronary arteries - perfusion defects on Technetium sestamibi SPECT are not associated with abnormal stress echocardiograms. *Journal of the American College of Cardiology: 120A*.
6. Cooke RA, Chambers JB, Singh R, Todd J, Smeeton NC, Treasure J, Treasure T (1994) The QT interval in anorexia nervosa. *British Heart Journal: 71 (Suppl): 98*.
7. Cooke RA, Chambers JB, Singh R, Todd J, Smeeton NC, Treasure J, Treasure T (1994) The QT interval as a marker for sudden death in anorexia nervosa. *European Heart Journal: 15 (Suppl): 389*.
8. Cooke RA, Anggiansah A, Chambers JB, Owen WJ (1995) Hyperventilation and oesophageal dysmotility. *Gut: 36: A15*.
9. Cooke RA, Anggiansah A, Chambers JB, Owen WJ (1996) A prospective study of oesophageal function in patients with normal coronary angiograms and in controls with angina. *Gut:*
10. Cooke RA, Wang Z, Black M, Chambers JB (1996) A comparison of the valve resistance, the continuity equation, the Gorlin formula against directly observed orifice area in bioprosthetic valves in the mitral position. *Journal of the American College of Cardiology:*
11. Anggiansah A, Cooke R, Chambers J, Owen W (1992) Gastroesophageal reflux during treadmill testing in patients with chest pain and normal coronary arteries. *Gut: 34: A 1214*.
12. Anggiansah A, Cooke R, Chambers J, Bright N, Sumbhoonsanonda K, Owen W, (1991) Non cardiac chest pain - is it gastroesophageal? *Gut: 32: A 1212*.
13. Mitra M, Cooke R, Jackson G, Chambers J. Haemodynamic changes during dobutamine stress echocardiography: implications for the detection of viable myocardium (1993) *British Heart Foundation: 70 (Suppl): 12*.
14. Mitra MB, Cooke R, Jackson G, Chambers J (1994) The haemodynamic effects of dobutamine during stress echocardiography. *British Heart Journal: 71 (Suppl): 51*.