

THE BLOOD PRESSURE UNIT

Beaumont Hospital

ANNUAL REPORT, PUBLICATIONS

AND

SCIENTIFIC PRESENTATIONS

1998

Contents

Introduction	3
Blood Pressure Unit Staff	5
Scientific Publications for 1998	6
General and educational publications for 1998	9
Scientific and educational communications for 1998	11
Current Research and Collaborative Centres 1998	14
Editorial Boards and Committee membership	17

Introduction

The Blood Pressure Unit was founded in 1978 in the Charitable Infirmary, Jervis Street, with support provided by the Charitable Infirmary and the Royal College of Surgeons in Ireland. From the outset the Unit has concentrated on research into the pharmacology of blood pressure lowering drugs, particularly in the elderly, and on the development of blood pressure measuring techniques, especially techniques of ambulatory blood pressure measurement. To-date some 400 publications on these research areas have been produced by the Unit.

In 1998 the Blood Pressure Unit continued to contribute to hypertension research, publishing 17 scientific papers, and delivering research presentations at home, in the UK, Italy, Holland, Portugal, Germany, the United States, Egypt and South Africa.

The Out-patient service continued to grow with nearly 3,500 patients attending the Blood Pressure, Lipid, Cardiac and the newly established ADAPT (Arterial Disease Assessment Prevention and Treatment) Clinics. I am joined in the provision of these services by Professor Desmond Fitzgerald, Dr. Joseph Duggan and Professor David Bouchier-Hayes. The value of the ADAPT Clinic was given international recognition in the *Lancet*, with publication of an article outlining the role of the Clinic in the management of cardiovascular disease.

The Unit continued to participate in a number of important international collaborative studies, which included the Syst-Eur, OvA, TOHP, HYVET and PROGRESS studies. The Unit participated in collaborative research with a number of institutions and universities abroad; these included the University of Louvain, the University of Gent, the Hammersmith Hospital, Glasgow University, the University of Auckland, Aberdeen University and Cornell Hospital in New York.

The Unit began participation in its largest international research endeavour when the first of 1000 patients was recruited for the Anglo-Scandinavian Cardiovascular Outcome Trial (ASCOT) in July. ASCOT will recruit a total of 18,000 patients at high risk from cardiovascular complications of hypertension to determine which blood pressure lowering or cholesterol lowering drug is most beneficial in preventing stroke and heart attack. It was a pleasure to welcome Dr. Alice Stanton back from St. Mary's Hospital to direct and co-ordinate the ASCOT programme. She was joined on the ASCOT team by Dr. Charlotte Cribben, Nurse Elizabeth Kinsella, Nurse Alan Hobbs, and Ms Ann Grady. I am a member of the ASCOT Steering Committee and Chairman of the ASCOT Sub-study Committee, which will supervise some 20 sub-studies, and Professor Desmond Fitzgerald is a member of the Genetics Committee. All the biochemistry for the ASCOT Study and genetic analyses will be carried by newly created facilities in the Royal College of Surgeons.

I continued to act during the year as Chairman of the working parties on blood pressure measurement of the British Hypertension Society, of the British Standards Institution, and of the European Society of Hypertension. I am also Chairman of the Irish Heart Foundation Council on High Blood Pressure and a member of the EU Standards Committee on Blood Pressure Measurement.

As well as continuing basic pharmacological research on blood pressure lowering drugs, the Unit continued to evaluate the accuracy and reliability of systems of ambulatory blood pressure measurement and in this capacity acts as adviser to many governmental and standards institutions.

The service work and research in hypertension outlined in this report was facilitated by continuing support from the Charitable Infirmary Charitable Trust, the Research Committee of the Royal College of Surgeons, the Irish Heart Foundation and Beaumont Hospital, each of which provided the much needed facilities and support for staff, without which the achievements listed in this report would not have been possible. I would like to pay tribute to the diligence and loyalty of all the staff in the Unit, characteristics which facilitate the team approach so necessary in scientific research. I would like to acknowledge with gratitude the support of our colleagues, both clinical and administrative, and I also wish to acknowledge the importance of the facility provided for our research work in the Clinical Investigation Area of the Hospital, without which it would not have been possible to conduct much of the work outlined in this report.

In closing let me invite you to visit our Web page at <http://www.iol.ie/~bpu/> for further details relating to facilities for patients, and our research activities.

Eoin O'Brien
Director
31/12/1998

The Blood Pressure Unit

Staff 1998

Medical

Professor Eoin O'Brien

Professor Desmond Fitzgerald

Dr. Joseph Duggan

Dr. Alice Stanton

Dr. Charlotte Cribben

Dr. Paddy Owens

Dr. Liam Norton

Dr. Cianán O'Sullivan

Dr. Sineal Gupta

Nursing

Sister Fáinsía Mee

Nurse Caroline Wilson

Nurse Cora McKiernan

Nurse Geraldine McCarthy

Nurse Ruth Nallon

Nurse Dáire Ryan

Nurse Lee Ann Clavin

Nurse Elizabeth Kinsella

Nurse Alan Hobbs

Technical

Mr. Simon Lyons
Echocardiographer

Mr. Neil Atkins
Computer Analyst

Ms Una Mulligan
Dietician

Secretarial

Ms Valerie Hughes

Ms Catherine Cooney

Ms Kathleen Kelly

Ms Ann Grady

Original papers

1. O'Brien E, Bouchier-Hayes D, Fitzgerald D, N. Atkins. The arterial organ in cardiovascular disease: ADAPT (arterial disease assessment, prevention, and treatment) clinic. *Lancet* 1998;**352**:1700-1702
2. Owens P, Lyons S, O'Brien E.. Ambulatory blood pressure in the hypertensive population: patterns and prevalence of hypertensive sub-forms. *J Hypertens* 1998;**16**:1735-1743
3. Owens P, Lyons S, Rodriguez S, O'Brien E. Is elevation of clinic blood pressure in patients with white coat hypertension who have normal ambulatory blood pressure associated with target organ damage?. *J Human Hypertens* 1998;**12**:743-748
4. O'Brien E, Owens P, Staessen J, Imai Y, Kawasaki T, Kuwajima I. What are the normal levels for ambulatory blood pressure measurement? *Blood Pressure Monitoring* 1998;**3**:131-132
5. Owens PE, Lyons S, O'Brien E. Can heart rate predict blood pressure response to antihypertensive drug therapy. *J Human Hypertens* 1998;**12**:229-233
6. Owens P, Lyons S, O'Brien ET. Body Beautiful? *J Human Hypertens* 1998;**12**:485-487
7. O'Brien E. Automated blood pressure measurement: state of the market in 1998 and the need for an international validation protocol for blood pressure measuring devices. *Blood Pressure Monit* 1998;**3**:205-211
8. Nicholson G, Bouchier-Hayes D, O'Brien E, Cunningham A. Analysis of the perioperative myocardial ischaemia pattern in patients undergoing peripheral vascular surgery and transurethral prostatectomy. *J Irish Coll Phys & Surgeons* 1998;**27**:154-159
9. Grodzicki T, Rajzer M, Fagard R, O'Brien ET, Thijs L, Clement D, Davidsonf C, Palatini P, Parati G, Kocemba J, Staessen JA on behalf of the Systolic Hypertension In Europe (SYST-EUR) Trial Investigators. Ambulatory blood pressure monitoring and post-prandial hypotension in elderly patients with isolated systolic hypertension. *J Human Hypertens* 1998;**12**:161-165
10. Fletcher AE, Bulpitt CJ, Tuomilehto J, Brown J, Bossini A, Kawenck-Jasz K, Kwinen P, O'Brien E, Staessen J, Thijs L, Vanska D, Vanhannen H on behalf of Syst-Eur Trial Investigators. Quality of life in elderly patients with isolated systolic hypertension: baseline data from the Syst-Eur Trial. *J Hypertens* 1998;**16**:1117-1124
11. Parati G, Omboni S, Staessen J, Thijs L, Fagard R, Ulian L, Mancia G on behalf of the Syst-Eur Investigators. Limitations of the difference between clinic and daytime blood pressure as a surrogate measure of the 'white-coat' effect. *J Hypertens* 1998;**16**:23-29.
12. Emelianov D, Thijs L, Staessen J, Celis H, Clement D, Davidson C, Gasowoki J, Extremera BG, Fogari R, Jaaskivi M, Lehtonen A, Nedogarda S, O'Brien E, Palatini P, Parati G, Salvetti A, Vanhanen H, Webster J, Fagard R on behalf of the Syst-Eur Investigators. Conventional and ambulatory measurements of blood pressure in old patients with isolated systolic hypertension: baseline observations in the Syst-Eur trial. *Blood Pressure Monit* 1998;**3**:173-180

13. Seux ML, Thijs L, Forette F, Staessen JA, Birkenhaeger, WH, Bulpitt CJ, Girerd X, Jaaskivi M, Vanhanen H, Kivinen P, Yodfat Y, Vanska O, Antikainen R, Laks T, Webster JR, Hakamaki T, Lehtomaki E, Lilov E, Grigorov M, Janulova K, Halonen K, Kohonen-Jalonen P, Kermowa R, Nachev C, Tuomilehto J. Correlates of cognitive status in older patients with isolated systolic hypertension: the Syst-Eur Vascular Dementia Project. *J Hypertens* 1998;9:63-969
14. Staessen JA, Thijs L, Fagard RH, Birkenhaeger, WH, Arabidze G, Barbeau S, Gil-Extremera B, Bulpitt CJ, Davidson C, de Leeuw PW, Efstratopoulos AD, Fletcher A, Fogari R, Jaaskivi M, Kawecka-Jaszcz K, Nachev C, Petrie JC, Seux M, Tuomilehto J, Webster JR, Yodfat Y for the Systolic Hypertension in Europe (Syst-Eur) Trial Investigators. Calcium Channel Blockade and Cardiovascular Prognosis in the European Trial on Isolated Systolic Hypertension. *Hypertension* 1998;32:410-416
15. Forette F, Seux M-L, Staessen J, Thijs L, Birkenhaeger, Babarskiene M-R, Babaneau S, Bossini A, Gil-Extremera B, Girerd X, Laks T, Lilov E, Moissejev V, Tuomilehto J, Vanhanen H, Webster J, Yodfat Y, Fagard R, on behalf of the Syst-Eur Investigators
16. PROGRESS Management Committee. PROGRESS: Perindopril Protection Against Recurrent Stroke Study: Status in March 1997. *J Human Hypertens* 1998;12:627-629
17. Clement DL, De Buyzere M on behalf of the OvA investigators. Office versus Ambulatory (OvA) recording of blood pressure, a European multicenter study: inclusion and early follow-up characteristics. *Blood Pressure Monit* 1998;3:167-172
18. Celis H, Staessen JA, Buntinx F, Fagard R, Leeman M, Thijs L, Van Hedent T, on behalf of the THOP investigators. *Blood Press Monit* 3(suppl 1):S29-S35

Editorials

1. O'Brien E. Will the millimetre of mercury be replaced by the kilopascal. *J Hypertens* 1998;16:259-261
2. O'Brien E. Formation of the Working Group on Blood Pressure Monitoring of the European Society of Hypertension. *J Hypertens* 1998;16:893. *Blood Pressure Monitoring* 1998;3:133-134
3. Owens P, O'Brien E. The Calcium Channel Blocker Debate. *Ir Med J* 1998;91:158-161
4. O'Brien E. Blood pressure measurement at the turn of the century. *Hypertension & Heart Failure. Peer Selected Citations 1998*. Current Medical literature. p. 1-3.

Letters

O'Brien E. The banning of mercury. *J Hypertension* 1998;16:139912/5/98)

Books and booklets

O'Brien E, Beevers G, Marshall D. ABC of Hypertension. Hungarian translation. 1998

Abstracts

1. Rodriguez , S, Kroon AA, Atkins N, Owens P, de Leeuw PW, O'Brien ET. Family history of hypertension is not associated with increased blood pressure variability. *J Hypertens* 1998;16(Suppl 2):S264

2. Rodriguez , S, Kroon AA, Lyons S, Owens P, de Leeuw PW, O'Brien ET. Value of ambulatory blood pressure monitoring to ascertain treatment-resistant hypertension. *J Hypertens* 1998;**16**(Suppl 2):S261
3. Atkins N, O'Brien E. DABL97 – A computer program for the assessment of blood pressure, risk factors and cardiovascular target organ involvement in hypertension. *J Hypertens* 1998;**16**(Suppl 2):S198
4. Owens P, Lyons S, O'Brien E. Ambulatory blood pressure in the hypertensive population: patterns and prevalence of hypertensive sub-forms. *J Hypertens* 1998;**16**(Suppl 2):S206
5. Atkins N, O'Malley, S, Duggan J, O'Brien E. Comparison of the diagnosis and management of hypertension when blood pressure is measured in the clinic, home or by ambulatory blood pressure. *J Hypertens* 1998;**16**(Suppl 2):S273
6. Forette F, Seux ML, Thijs L, Staessen J on behalf of the Syst-Eur Investigators. Antihypertensive treatment and prevention of dementia in older patients with isolated systolic hypertension: The Syst-Eur results. *J Hypertens* 1998;**16**(Suppl 2):S22
7. Staessen J, Fagard R, Thijs L, Celis H for the Syst-Eur Trial Investigators. Subgroup and per-protocol analysis of the European trial on isolated systolic hypertension in the elderly. *J Hypertens* 1998;**16**(Suppl 2):S215
8. Dahlof B, Sever PS, Poulter N, Wedel H on behalf of the ASCOT Steering Committee. The Anglo-Scandinavian Cardiac Outcomes Trial (ASCOT).. *Am J Hypertens* 1998;**11**:9A
9. Rodriguez , Owens P, Lyons S, Kroon AA, de Leeuw PW, O'Brien ET. Nocturnal blood pressure decline as a predictor for cardiac and renal damage in hypertension. *Am J Hypertens* 1998;**11**:64A
10. Keary L, Atkins N, O'Brien E. Terminal digit preference and heaping in blood pressure measurement. *J Human Hypertens* 1998;**12**:787-788
11. Owens P, Lyons S, O'Brien E. Ambulatory blood pressure hypertensive sub-forms predict differential outcomes for left ventricular mass. *J Human Hypertens* 1998;**12**:784-785
12. Wingfield D, Bulpitt C, Fletcher A, Thijs L, Staessen J. The reduction of terminal digit preference with quality control visits in the SYST-EUR trial. . *J Human Hypertens* 1998;**12**:793

General and Educational

1. Owens P. New research on hypertension. *Ir Medical News* 1998;Jan 19th
2. O'Brien E. An accurate automated device for blood pressure measurement at last - the Omron HEM-705CP. *The European Cardiologist: Journal by Fax* 1998;**3**.
3. O'Brien E. How accurate is the Dinamap 8100 for measuring blood pressures?. *The European Cardiologist: Journal by Fax*. 1998.**3**

4. O'Brien E. How can we solve the problem of "cuff hypertension"? *The European Cardiologist: Journal by Fax*. 1998.3
5. O'Brien E. Naming hospitals. *Ir Med Times* 1998;Vol 32. p. 21
6. O'Brien E. Doctor Chekov: The little-known compassion of Dr Chekov. *Lancet* 1998;352:331-332
7. O'Brien E. A vindication of Petr Skrabanek. *Ir Med Times* 1998. July 31st. 25
8. Owens P. Case histories in hypertension. *Ir Medical News* 1998; 21
9. O'Brien E. The relationship between nondipping and LV mass. *International Trends in Hypertension*. 1998. No. 5.
10. O'Brien E. Will mercury manometers shortly be obsolete? . *Ir Med Times* May 1998. P. 42
11. O'Brien E. Is white coat hypertension an innocent condition? . *Ir Med Times* June 1998. P. 35
12. O'Brien E. Importance of ambulatory blood pressure measurement. . *Ir Med Times* July 1998. P. 33
13. Owens P. The other side of the coin: hypotension – a forgotten illness. . *Ir Med Times* August 1998. P. 33
14. Stanton A. Calcium channel blockers are safe in hypertensive diabetics. . *Ir Med Times* 1998. 30th October 1998. P. 35

Exhibitions

O'Brien E. The Dominic Corrigan Exhibition. Corrigan Ward. Beaumont Hospital. March 1998.

CD-ROM

Petrie J, O'Brien E, Littler W, de Swiet M, Padfield P, Coats A, Mee F CD-ROM on Blood Pressure Measurement. BMJ Publications.

MSD University Program for Norwegian Physicians, Dublin, 23rd January 1998.

- O'Brien, E. *Clinical applications of 34-hour ambulatory blood pressure measurement and the importance of 24-hour blood pressure control.*

The Fifth Conference on Ambulatory Blood Pressure Monitoring. Monza. Italy. February 2nd - 3rd 1998.

- Chairman: O'Brien, E. *Panel discussion on ambulatory blood pressure normalcy: available studies, meta-analysis and calculation problems.*
- O'Brien E. *Is there a need for a common validation protocol?*

Irish Heart Foundation Symposium: Hypertension: How Recent and On-going Studies are Changing Clinical Practice. Dublin. 21st February 1998.

- O'Brien E. Chairman
- O'Brien E. *The results of the APTH Trial.*

Symposium on Hypertension. Killarney. Co. Kerry. 28th February 1998.

- O'Brien E. Chairman
- O'Brien E. *Ambulatory blood pressure measurement: importance of 24-hour control.*

RCSI Overseas Scientific Meeting. University of Natal. Durban South Africa. 18th March 1998.

- O'Brien E. *A University of Diversity*

Department of Medicine. University of Pretoria. South Africa.

- O'Brien E. *Ambulatory blood pressure measurement: importance of 24-hour control.*
- O'Brien E. *The PROGRESS Study*

RCSI Annual Research Day, RCSI, Dublin. 15th April 1998.

- Owens P, Lyons S, O'Brien E. *Ambulatory blood pressure in the hypertensive population: patterns and prevalence of hypertensive sub-forms*
- Fennesy F, Fitzgerald D, Bouchier-Hayes D, O'Brien E. *A new approach to arterial disease management: the ADAPT Clinic*

Symposium: 'The diversities of cardiovascular medicine'. Dublin. 25th April 1998.

- O'Brien E. Chairman.

Hypertension: Trends, Trials and Total Risk. Lisbon. Portugal. 9 - 10th May 1998.

Debate: *The house believes white coat hypertension is an important cause of unnecessary treatment*

- O'Brien E and Haegerty T v Ramsay L and McInnes G

Thirteenth Scientific Meeting of the American Society of Hypertension. New York. 13-16th May 1998.

- O'Brien E. Chairman: *Clinical value of ambulatory and exercise blood pressure monitoring.*
- O'Brien E. Chairman: *Ambulatory Blood Pressure Monitoring.* Poster Presentations
- Rodriguez SA, Owens P, Lyons S, Kroon AA, de Leeuw PW, O'Brien ET. *Nocturnal blood pressure decline as a predictor for cardiac and renal damage in hypertension.*
- Dahlof B, Sever PS, Poulter N, Wedel H on behalf of the ASCOT Steering Committee. *The Anglo-Scandinavian Cardiac outcomes Trial (ASCOT).*

International Congress on Holter and Non-invasive Electrocardiology. Ulm. Germany. 21-22nd May 1998

- O'Brien E. State of the art: *Ambulatory blood pressure monitoring.*
- O'Brien E. Chairman: *Ambulatory Blood Pressure Monitoring.*

Second Symposium on Continuous Finger Arterial Blood pressure Measurement. Academic Medical Center, Amsterdam. 6th June 1998.

- O'Brien E. Refinements of the BHS Protocol.

International Society of Hypertension. 17th Scientific Meeting. Amsterdam 7-11th June 1998.

- O'Brien E. Chairman. Clinical value of Ambulatory and Exercise Blood pressure Monitoring
- O'Brien E. Chairman. Blood Pressure Measurement and Debate: *White coat hypertension: How clinically relevant is it?*

Poster Presentations

- Rodriguez , S, Kroon AA, Atkins N, Owens P, de Leeuw PW, O'Brien ET. Family history of hypertension is not associated with increased blood pressure variability.
- Rodriguez , S, Kroon AA, Lyons S, Owens P, de Leeuw PW, O'Brien ET. Value of ambulatory blood pressure monitoring to ascertain treatment-resistant hypertension.
- Atkins N, O'Brien E. DABL97 – A computer program for the assessment of blood pressure, risk factors and cardiovascular target organ involvement in hypertension.
- Owens P, Lyons S, O'Brien E. Ambulatory blood pressure in the hypertensive population: patterns and prevalence of hypertensive sub-forms.
- Atkins N, O'Malley S, Duggan J, O'Brien E. Comparison of the diagnosis and management of hypertension when blood pressure is measured in the clinic, home or by ambulatory blood pressure.
- Forette F, Seux ML, Thijs L, Staessen J on behalf of the Syst-Eur Investigators. Antihypertensive treatment and prevention of dementia in older patients with isolated systolic hypertension: The Syst-Eur results.
- Staessen J, Fagard R, Thijs L, Celis H for the Syst-Eur Trial Investigators. Subgroup and per-protocol analysis of the European trial on isolated systolic hypertension in the elderly.

Xxth Congress of the European Society of Cardiology, Vienna, Austria. 22nd August, 1998

- Forette F, Seux ML, Thijs L, Staessen J on behalf of the SYST-EUR Investigators. Prevention of dementia in older patients with isolated systolic hypertension: results from the Systolic Hypertension in Europe (SYST-EUR) trial.

Annual Scientific Meeting of the British Hypertension Society. Keble College. University of Oxford. 14-16th September 1998.

- Atkins N, Keary L, O'Brien E. *Terminal digit preference and heaping in blood pressure measurement.*
- Owens P, Lyons S, O'Brien E. *Ambulatory blood pressure hypertensive sub-forms predict differential outcomes for left ventricular mass.*
- Wingfield D, Bulpitt C, Fletcher A, Thijs L, Staessen J. The reduction of terminal digit preference with quality control visits in the SYST-EUR trial.

Irish Gerontological Society. Dublin. 25 – 26th September 1998.

- O'Sullivan C, Duggan J, O'Brien E. Do the very elderly tolerate high blood pressure?

British Geriatrics Society. London. 9th October 1998.

- O'Sullivan C, Duggan J, Lyons S, O'Brien E. Do the very elderly tolerate high blood pressure?

Cairo University, Cairo, Egypt. 17th November 1998

- O'Brien E. When is high blood pressure hypertension?

Hypertension Update X. Moat House Hotel. Stratford-upon-Avon. 26th - 28th November 1998

- O'Brien E. Chairman: *Which drugs for first line therapy? The case for and against....*

CURRENT RESEARCH PROJECTS & COLLABORATIVE CENTRES

I. BLOOD PRESSURE MEASUREMENT

Project title: *TOPH Study. Home Pressure and Treatment of Hypertension.*
Investigators: E. O'Brien and J. Staessen,
Collaborating centres: Catholic University of Leuven, BELGIUM.
Zeneca Ltd., IRELAND.

Project title: *Production of CD-ROM on BHS 'Recommendations for Blood Pressure Measurement'*
Investigators: E. O'Brien and J. Petrie.
Collaborating centres: CAL Unit, University of Aberdeen, Scotland, UK
British Hypertension Society
British Medical Journal

Project title: *Intra-arm differences in blood pressure*
Investigators: G. Mansfield, P. Owens, N. Atkins, E. O'Brien
Collaborating centres: Irish Heart Foundation, Dublin, IRELAND

Project title: *Assessment of mortality in relation to risk in the BPU data base*
Investigators: E. O'Brien, P. Owens, N. Atkins, K. Hinedi
Collaborating centres: Registrar for Births and Deaths, IRELAND

Project title: *Assessment of Korotkoff Sounds*
Investigators: E. O'Brien, P. Owens, N. Atkins, P. Healy.
Collaborating centres: Kevin Street College of Technology. IRELAND
Royal College of Surgeons, IRELAND

Project title: *Comparison of arterial tonometry and pulse wave velocity*
Investigators: P. Owens, S. Lyons, D. Ryan, E. O'Brien, B. Williams, M. O'Rourke
Collaborating centres: Leicester University, UK
St. Vincent's Hospital, Sydney

Project title: *Comparison of MRI and renal angiography in renal artery stenosis*
Investigators: M. Lee, J. O'Callaghan, M. Wlashe, P. Owens, E.O'Brien
Collaborating centres: Department of Radiology, Beaumont Hospital, IRELAND

Project title: *Device validations according to BHS/AAMI standards*
Investigators: E.O'Brien, F. Mee, N. Atkins

Project title: *Recommendations for banning of mercury.*
Investigators: E. O'Brien and members of the British Hypertension Society and the Working Group on Blood Pressure Measurement of the European Society of Hypertension.

Project title: *Recommendations on Blood Pressure Measurement*
Investigators: E. O'Brien and others
Collaborating centres: British Hypertension Society, UK
British Standards Institute, UK
DHSS, UK
EU Standards Committee, GERMANY
European Society of Hypertension, HOLLAND

Council on High Blood Pressure, IRELAND
TNO, HOLLAND
Food and Drug Administration, US

II. AMBULATORY BLOOD PRESSURE MEASUREMENT

- Project title:** *AIB Study, Phase II: Ambulatory blood pressure and end-organ changes* *
- Investigators:** E. O'Brien, S. Lyons, N. Atkins, K. O'Flynn, A. Tyndall, R Devereaux, J. Staessen.
- Collaborating centres:** Allied Irish Bank, Ballsbridge, DUBLIN
Catholic University of Leuven, BELGIUM,
Cornell University, New York, USA
Royal College of Surgeons, IRELAND
Charitable Infirmary Charitable Trust, IRELAND
Irish Heart Foundation, IRELAND
- Project title:** *OvA Study:Office versus A BPM in management of hypertension.*
- Investigators:** E. O'Brien and D. Clement.
- Collaborating centres:** University of Gent, BELGIUM.
- Project title:** *Recommendations for Ambulatory Blood Pressure Measurement.*
- Investigators:** E. O'Brien and members of the British Hypertension Society and the Working Group on Blood Pressure Measurement of the European Society of Hypertension.
- Project title:** *Hypotension and autonomic status:*
- Investigators:** P. Owens, P. Conlon, E. O'Brien.
- Collaborating centres:** Department of Nephrology, Beaumont Hospital, IRELAND
- Project title:** *Analysis of Blood Pressure Unit data base.*
- Investigators:** E. O'Brien, N. Atkins, P. Owens, P. deLeeuw.
- Collaborating centres:** University of Maastricht, THE NETHERLANDS
- Project title:** *Ambulatory blood pressure and mortality.*
- Investigators:** K. Hinedi, E. O'Brien, N. Atkins.
- Collaborating centres:** Registrar of Deaths, Joyce House, Dublin, IRELAND
- Project title:** *The NEAR Study. New approaches to neural alterations.*
- Investigators:** E. O'Brien, A. Zanchetti, G. Parati
- Collaborating centres:** University of Milan, ITALY

III. HYPERTENSION IN THE ELDERLY

- Project title:** *Isolated Systolic Hypertension in the Elderly: The SYST-EUR Phase II Study*
- Investigators:** J. Duggan, E. O'Brien, F. Mee, J. Staessen.
- Collaborating centres:** Catholic University of Leuven, BELGIUM.
- Project title:** *The HYVET Study. Hypertension in the Very Elderly*
- Investigators:** J. Duggan, E. O'Brien and C Bulpitt
- Collaborating centres:** Hammersmith Hospital, London., UK.

Project title: *Target organ status in elderly patients with hypertension.*
Investigators: J. Duggan, E. O'Brien.
Collaborating centres: James Connolly Memorial Hospital

Project title: *The PROGRESS (Perindopril Protection Against Recurrent Stroke) Study.*
Investigators: J. Duggan, E. O'Brien and J. Reid, J. Chalmers, S. MacMahon
Collaborating centres: Western Infirmary, Glasgow, UK
University of Auckland, NEW ZEALAND

Project title: *Blood Pressure in elderly patients in different health states.*
Investigators: J. Duggan, C. O'Sullivan, E. O'Brien.
Collaborating centres: James Connolly Memorial Hospital, IRELAND
Royal College of Surgeons, IRELAND

IV. DRUG TREATMENT OF HYPERTENSION

Project title: *Anglo-Scandinavian Cardiac Outcomes Trial (ASCOT).
Main Study*
Investigators: E. O'Brien, A. Stanton, D. Fitzgerald, P. Sever, N. Poulter,
B. Dahlhoff.
Collaborating centres: St. Mary's Hospital, London, UK
Imperial College, London, UK
University of Göteborg, SWEDEN.
Royal College of Surgeons, IRELAND

Project title: *Anglo-Scandinavian Cardiac Outcomes Trial (ASCOT).
Sub-study: ABPM in ASCOT*
Investigators: E. O'Brien, A. Stanton, G. McInnes.
Collaborating centres: St. Mary's Hospital, London, UK
Western Infirmary, Glasgow, UK

Project title: *Anglo-Scandinavian Cardiac Outcomes Trial (ASCOT).
Sub-study: Tonometry in ASCOT*
Investigators: E. O'Brien, A. Stanton, B. Williams.
Collaborating centres: Leicester University, UK

Project title: *Anglo-Scandinavian Cardiac Outcomes Trial (ASCOT).
Genetic/Phenotyping Sub-study*
Investigators: D. Fitzgerald, E. O'Brien, A. Stanton, P. Sever, N. Poulter,
S. Thom.
Collaborating centres: St. Mary's Hospital, London, UK
Imperial College, London, UK
Royal College of Surgeons, IRELAND

Project title: *Perindopril/indapamide study on arterial Tonometry and pulse
wave velocity.*
Investigators: E. O'Brien, D. Fitzgerald, D. Ryan, M. Safar, JM Mallion
Collaborating centres: University of Grenoble, FRANCE
Servier Laboratories, FRANCE and IRELAND

V. COMPUTERISED SYSTEMS FOR OUT-PATIENT MANAGEMENT

Project title: *Development of Computerised systems for Out-patient Management – the DABL and ADAPT Programmes*
Investigators: N. Atkins, E. O’Brien, D. Bouchier-Hayes, D. Fitzgerald
Collaborating centres: Department of Surgery, Royal College of Surgeons, IRELAND

EDITORIAL BOARD MEMBERSHIP

Journal of Human Hypertension: E. O'Brien
Journal of Hypertension: E. O'Brien
High Blood Pressure and Cardiovascular Prevention: E. O'Brien
Blood Pressure: K. O'Malley & E. O'Brien
Blood Pressure Monitoring: E. O'Brien
The Recorder: E. O'Brien

COMMITTEE MEMBERSHIP

Working Group on Blood Pressure Measurement. *European Society of Hypertension.* E. O'Brien. Chairman

Working Party on Blood Pressure Measurement. *British Hypertension Society.* E. O'Brien. Chairman. F. Mee

HCC/10 Committee for the revision of standards for mercury and aneroid sphygmomanometers. *British Standards Institute.* E. O'Brien. Chairman

CEN/TC205 EEC Committee for Non-active medical devices. E. O'Brien

Steering Committee. *European Study of Systolic Hypertension in the Elderly (Syst-Eur).* E. O'Brien

Side-project on Ambulatory Measurement. *European Study of Systolic Hypertension in the Elderly (Syst-Eur).* E. O'Brien

Steering Committee. *European Study of Ambulatory Blood Pressure Measurement.* E. O'Brien

Irish Medicines Board. D. Fitzgerald.

Steering Committee. British Hypertension in the Very Elderly Trial (BHET). J. Duggan

Council on High Blood Pressure. Professor E. O'Brien, Chairman.

Nurses Hypertension Association. F. Mee.

Nurses Cardiovascular Association. F. Mee. Chairman.

Steering Committee. TOPH (Home Pressure and Treatment of Hypertension) Study. E. O'Brien.

Steering Committee Anglo-Scandinavian Cardiac Outcomes Trial (ASCOT): E. O'Brien

Sub-study Committee. Anglo-Scandinavian Cardiac Outcomes Trial (ASCOT): E. O'Brien. Chair

