

Charles Harmon Pierce, MSc, MD, PhD, FCP, CPI

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Overall Experience:

25+ years practice of medicine as a Family Physician (ABFP 1977-1994)
30+ years teaching, research and practice with an interest / expertise in Asthma
28+ years activity in Continuing Medical Education
29+ years in "Clinical Pharmacology" (FCP in '74)
13+ years administrative & educational activity in the Medical Research Industry

Education:

McGill University, Department of Pharmacology and Therapeutics. Post-Doctoral year, 1971 - 1973, with Mark Nickerson, Ph.D., M.D.

University of Saskatchewan, College of Graduate Studies (Surgery), **Ph.D., 1974**
Thesis: "An Inquiry into the Nature of Circulatory Shock: Development and Use of an Experimental Model Utilizing Controlled Cardiac Tamponade." Advisors: Eric M. Nanson, M.B., Ch.B.; John R. Gutelius, M. D.; and Fred G. Inglis, M. D.

University of Saskatchewan, College of Medicine, 1965 - 1968, **M.D., 1968**
University of Minnesota, Graduate School (Pharmacology), **M.Sc., 1961**
Thesis: "Effects Upon Respiratory Function of a Meperidine Derivative Using a New Experimental Approach" Advisor: Raymond N. Bieter, M.D., Ph.D.

University of Minnesota, College of Science, Literature and Arts - **B.A., 1956**

Memberships:

Fellow, American Coll. of Clinical Pharmacology, 1974: Elected Regent 1995 - 2000; Annual meeting chairman, September 2001; Emeritus, July 2002; Recipient of the Nathaniel T. Kwit Distinguished Service Award - 2004

Member, American Academy of Pharmaceutical Physicians, 1997 -

Member, American Thoracic Society/European Respiratory Society, 1997 -

Member American Academy of Asthma, Allergy and Immunology, 1997 -

Fellow, American Academy of Family Physicians, elected 1988, Member since 1979, and Life Member 2001

Member, Canadian Society for Clinical Pharmacology, 1982 -

Charter Member, American Society of Hypertension, 1986

Medical Licensure:

State Medical Board of Ohio, (8-2173) Jan 2003 - present

DEA Registration (BP8369818) July 2003 - Jul 2006

Collège des Médecins du Québec, (176-561) Aug 1976 – present

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Positions/Appointments:

- President, Pharmaceutical Medicine Consultants, Inc. Operating as "Pierce One Consulting", Cincinnati, Ohio July 2000 to the Present
- VP, Medical Affairs, North America, Harrison Clinical research, Munich, Germany, May 2001 to present
- Adj. Professor of Pharmaceutical Science, Department of Pharmaceutical Sciences and Adj. Assistant Professor, Department of Family Medicine, University of Cincinnati, Colleges of Pharmacy and Medicine respectively. Cincinnati, Ohio, Aug, 2000 to the present
- Associate Director, Clinical Trials Office of the Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, November, 2000 – July 2003
- Sr. VP & Chief Operating Officer, Phoenix International Life Sciences (US) Inc. Cincinnati, Ohio and Neptune, New Jersey. June, 1999 – April, 2000
- Director of Medical Affairs, MDS Harris Laboratories, Lincoln, Nebraska. April of 1997 to February, 1999
- Medical Director & Principal Investigator, L.A.B. Pharmacological Research International Ltd., Vaudreuil, Québec (formerly Clinical Research division of Bio-Research Laboratories Ltd. of Senneville (Montréal), Québec) December 1989 - April 1997
- Attending Staff, Department of Medicine and Pediatrics, Medical Center Hospital of Vermont, Burlington, Vermont, 1985 - 1989
- Active Staff, Dept. of Family Medicine, Doctors Hospital, Toronto, Ontario, 1983 -1985
- Active Staff, County of Bruce General Hospital, Walkerton, Ontario, 1983 - 1985
- Active Member, Council of Physicians & Dentists at St. Mary's Hospital, Department of General Medicine, Montréal, 1977 - 1982
- Consulting Member (Clinical Pharmacology) Council of Physicians of the Montréal Heart Institute, Montréal, Québec, 1976 - 1982
- Assistant Professor, Department of Family Medicine, McGill University, Montréal, Québec, 1977 - 1979
- Member, Council of Physicians & Dentists of the SMBD-Jewish General Hospital, Department of Family Medicine, Montreal, Quebec 1976-79
- Assistant Professor, Department of Pharmacology, University of South Alabama College of Medicine, Mobile, Alabama, 1974 - 1976
- Active Staff, Department of Family Practice, University of South Alabama Medical Center, Mobile, Alabama, 1974 – 1976

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Medical Practice / Clinical Experience:

Family Practice including Emergency room (E) 1976 - 1985,
2003 - Cincinnati, Ohio; Montréal, Québec
1990 - 1997, Montréal, Québec (part time)
1985 - 1989, Burlington, Vermont
1982 - 1985, Toronto, Ontario (E)
1976 - 1982, Montréal, Québec (E)
1974 - 1976, Mobile, Alabama (part time)

Staff Physician, Doctors Hospital, Toronto, Ontario and County of Bruce General Hospital (Emergency Room), Walkerton, Ontario, 1982 - 1985

Staff Physician, Family Medicine Center (1977-1979) and Emergency Room (1977-1981) at St. Mary's Hospital, Montréal, Québec

Staff Physician, General Medical Clinic and Hertzl Family Practice Center of the SMBD-Jewish General Hospital, Montréal, Québec, 1976 - 1977

Attending Physician and Director, Mobile County Jail Medical Department., Mobile, Alabama, 1975 -76

Staff Physician, Veterans Administration Ambulatory Care Clinic and the University of South Alabama Medical Center, Mobile, Alabama, 1974 - 1976

Clinical Pharmacology Hypertension Clinic, Montréal General Hospital., Montréal, Que., 1973 - 1974

Intern (Rotating) University Hospital, University of Saskatchewan, Saskatoon, Saskatchewan., 1968-69

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Certifications:

AAPP Certified Physician Investigator (CPI - #15) January, 2004
SPEX examination (S21792098 / 25565) January, 2003
Diplomat of the American Board of Family Practice, (#133881), 1977-1994
Advanced Cardiac Life Support Instructor, 1980, 1982, 1984 (OHF #9072), 1986
Basic Cardiac Life Support Instructor Trainer (#1076) June, 1982
Advanced Cardiac Life Support, 1979, 1981
Licentiate, Medical Council of Canada (LMCC), (#28642), 1969
National Board of Medical Examiners: (#69526) Part I, 1964; Part II, 1969

Honors:

Nathaniel T. Kwit Distinguished Service Award for 2004 from the ACCP
Board of Directors, The Annapolis Center for Science-Based Public Policy, 2002 on
Regent of the American College of Clinical Pharmacology - elected for 1995 - 2000
Affiliate Faculty - ACLS, Ontario Heart Foundation, 1984 - 1985
AMA Physicians Recognition Award 1976, 1986
Research Fellow, Canadian Heart Foundation, 1969 - 1973
Assoc. Editor, Canad. Assoc. of Medical Students and Interns Journal, 1967 - 1968
President, Students Medical Soc., U. Saskatchewan Coll. of Medicine, 1967 - 1968
Captain, Univ. of Minn. Squash Racquets B Team, League Champions, 1964 - 1965
Sigma Delta Psi - National Honorary Fraternity, elected 1957
President, Theta Delta Chi Academic Fraternity, 1955 - 1956

Medical/Professional Committees:

Member, GAC, Cincinnati Children's Hospital Medical Center 2002-2003
Member, AAPP Education Committee and Publications Committee 2000 - present
Chm, ACCP 2001 Annual Meeting, September 2001, Tysons Corner, Virginia
Member, Academy of Medicine of Cincinnati CME committee. 2000 - 2001
Member, ACCP - ACCME Committee, 1997 to 2003
Chm, Clinical Research Seminars Committee of the AAPP 1997 - 2000
Chm, Membership Committee, ACCP, 1996 to 2000
Member, The Vermont Formulary Committee, 1987 - 1989
Member, Pharmacy & Therapeutics Committee, MCHV, Burlington, Vermont, 1986-89
Chm, Pharmacy & Therapeutics Committee, Doctors Hospital, Toronto, 1985
Member, Therapeutics and Infection Control Com., Doctors Hosp., Toronto, 1983 - 84
Member, OMA Committee on Drugs & Pharmacotherapy, 1983 - 1984
Member, Education Committee, ACCP, 1978 - 1984
Chm, Pharmacology & Therapeutics Committee, St. Mary's Hosp, Montreal, 1977-82
Chm, CME Committee, Department of Family Medicine, SMBD-JGH, 1977
Member, Pharmacy & Therapeutics Committee, SMBD-JGH, Montreal, 1976
Chm, Pharmacy & Therapeutics Committee, Univ. of So. Alabama Med Center, 1975

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Continuing Medical Education Activities:

Course Director of "The Clinical Research Puzzle II: Putting the Pieces Together" a day and a half course on GCP aimed at protecting the integrity and rights of human subjects. May 31 – June 1, 2002

Course Director of "Insuring Human Subject Safety: A Clinical Investigator's Workshop" - a One day course on the ethics and science of clinical research of the Academy of Medicine of Cincinnati. January 13, 2001

Chairman of "Asthma Therapy in the Next Decade - Hang on to Your Hats" an ACCP/CSCP joint symposium at the Royal College of Physicians and Surgeons meeting. September 23 - 27, 1998 in Toronto, Ontario

Chairman of "Changing Face of Asthma Therapy in the Next Decade" a symposium at the annual ACCP meeting. September 18 - 20, 1997 in Phoenix, Arizona

Course Director of "Advanced Cardiac Life Support" – three, two day courses sponsored by The Doctors Hospital and the Ontario Heart Foundation, Toronto, Ontario. June & November 1984 and June, 1985

Course Director of "Advanced Cardiac Life Support" – three, one and one-half day courses sponsored by the Department of General Medicine of St. Mary's Hospital and the Québec Heart Foundation, Montréal, Québec. December 1980 and April & October, 1981

Course Director of "What's new in Drug Therapy" - a CME offering at the annual meeting of the American Academy of Family Physicians, New Orleans, Louisiana. October 1980

Course Director of "G.I. Clinical Day - Practical Answers to Problems of the Upper G.I. Tract in Office Practice" - a one-day course - Hotel Bonaventure, Montréal, Québec. September 1979

Course Director of "Consultations in Hypertension" - a one-day workshop at St. Mary's Hospital, Montréal, Québec. February 1978

Course Director of "Pulmonary Disease in Office Practice" Second in a series on Practical Answers to problems in Primary Care, a one and one-half day course at the SMBD-Jewish General Hospital, Montréal, Québec. November 1977

Course Director of "Rational Use of Antibiotics" and "Practical Management of Hypertension," two, one day AMA regional CME courses, Marquette, Michigan. August 1977

Course Director of "The Use of Antibiotics" - first in a series on Practical Answers to Problems in Primary Care. A one-day course at the SMBD-Jewish General Hospital, Montréal, Québec. May 1977

Course Director of "Cardiovascular Drug Therapy - An Update". A one day AMA regional CME course, Birmingham, Alabama. February 1977

Planning Committee of "Drug Therapy II" - topics in antibiotic use, drugs altering mood and behavior, & current problems and controversies in drug therapy, Mobile, Alabama. Jan 1977

Course Director of "Drug Therapy I" - a two day continuing medical education course in Drug Therapy with topics in Basic Pharmacology, current Antihypertensive therapy, Cardiac Pharmacology and current problems and controversies in drug therapy, Mobile, AL. Feb., 1976

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Selected Recent Invited Presentations

- “Clinical Trial Design and Execution”, A workshop in the Pharmaceutical Risk Management course, Philadelphia, Dec 8-9 2003
- “The Importance of Adverse Event Reporting in Clinical Research” in the “Hot Topics” series of the University of Cincinnati, College of Medicine
- “ P.I. Responsibilities – The Scary Reality” at the University of Cincinnati Clinical Research professional certificate program – 22 October 2003
- “The GCP’s of Clinical Research”, A 5 hour UC, CCHMC course for Neonatologists at the CCHMC 30 May, 2003
- “Changing Face of Clinical Research” (23 April) & “The Clinical Investigators Responsibilities: The Reality” (8 May) at the “Hot Topics” series of the University of Cincinnati, College of Medicine
- “Health Needs in Kathmandu, Nepal – a World Away”, Cincinnati Children’s Hospital Medical Center, International Child Health Seminar, 21 February 2003
- “The Changing Face of Clinical Research”, University of Cincinnati HemeOnc Grand Rounds, Cincinnati, Ohio, 7 February, 2003
- “Investigators Responsibilities in Clinical Research” in the University of Cincinnati Clinical Research Professional certificate Program – 30 October 2002
- “What patients need to know to manage their asthma”, At the Queen Elizabeth Hospital, Bridgetown, Barbados – 5 April, 2002
- “Update on the management of Asthma” – 2002, At the Patan Hospital and at the Nepal Medical College, Kathmandu, Nepal - 8 March, 2002
- “Clinical research through the eyes of the Ophthalmologist”, at the AGAH-ACCP meeting, Garmisch-Partenkirchen, Germany – 27 January 2002

Community Activities:

- Rotary Club of Cincinnati (Club # 17) Ohio – Sept 1999 - Present
- Rotary Club of Lincoln (Club # 14) Nebraska – July 1997 - July 1999
Paul Harris Fellow, July 1999
- Rotary Club of Westmount (Quebec) - Jan 1990 - July 1997
Director, 1991 - 1993, 1994 – 1996, President 1996 – 1997
Rotarian of the Year for 1990 - 1991
- United Way of Chittenden County - Board of Directors, 1988, 1989
Chairman, Health Professionals Campaign Division, 1988, 1989
- Rotary Club of Burlington (Vermont) - July 1985 - December 1989
Board of Directors 1987 – 1989, President Elect 1989
Rotarian of the Year for 1987 - 1988
- Rotary Club of Toronto Eglinton - Sept 1981 - June 1985
- Rotary Club of Westmount (Quebec) - Oct 1979 - Sept 1981

Interests and Hobbies

Competitive Squash, Classical music, and Photography

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Publications:

Pierce, C.H.; McHugh, R.B.; and Bieter, R.N. A new experimental approach for evaluation of the effects of narcotic analgesics upon respiratory function. *Journal of the Minnesota Academy of Science* 32:117-120, 1965.

Bloch, J.H.; Pierce, C.H.; Manax, W.G.; and Lillehei, R.C. Treatment of experimental cardiogenic shock, *Surgery* 58:197-214, 1965.

Bloch, J.H.; Pierce, C.H.; Manax, W.G.; Lyons, G.W.; and Lillehei, R.C. Experimental cardiogenic shock: effects of low molecular weight dextran. *Arch. Surgery* 91:77-85, 1965.

Pierce, C.H. and Wright, H.N. Accidental poisoning in children: epidemiology and prevention. *Journal of Minnesota Academy of Science* 33:44-48, 1965.

Bloch, J.H.; Pierce, C.H. and Lillehei, R.C. Adrenergic Blocking agents in the treatment of shock. *Annual Rev. Medicine* 17:483-508, 1966.

Bloch, J.H.; Dietzman, R.H.; Pierce, C.H. and Lillehei, R.C. Theories of the production of shock: A review of their relevance to clinical practice. *British Journal of Anaesthesiology* 38:234-249, 1966.

Pierce, C.H. The enigma of shock. *Canadian Medical Association Journal* 103:621-623, 1970.

Pierce, C.H.; Briggs, B.T. and Gutelius, J.R. Methylprednisolone and phenoxybenzamine and experimental shock: cardiovascular dynamics and platelet function, *Shock in Low- and High-Flow states*. B.K. Forsher, International Congress Series No. 247, Amsterdam (1972).

Pierce, C.H. Les mecanismes d'action d'un agent corticosteriodique synthetique dans le choc experimental. *L'Union Medicale du Canada* 102:2473-2480, 1973.

Pierce, C.H.; Oshiro, G.; Briggs, B.T.; Kay, W.W. and Gutelius, J.R. Mechanisms of the effectiveness of a synthetic corticosteroid like agent (Methylprednisolone) in controlled hypoperfusion induced shock. *Steroids and Shock*, T. Glen, Editor, Univ. Park Press, 1974.

Pierce, C.H. Guidelines for the Management of Hypertension - 1976. Report of the Alabama Advisory and Coordinating Council on Hypertension. May, 1976.

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Publications (continued)

Pierce, C.H. Comments on the Management of Hypertension - 1976. *Journal of the Medical Association of Alabama*, pages 23-26. July and August, 1976.

Daniel, A.; Pierce, C.H.; MacLean, L.D. and Shizgal, H. Lactate metabolism during canine shock from hemorrhage, cardiac tamponade or endotoxin. *Surgery, Gynecology and Obstetrics* 143:581-586, 1976.

Pierce, C.H. Practical Aspects of Presenting Information to Practicing Physicians. *Journal of Clinical Pharmacology* 21:262-264, 1981.

Pierce, C.H. An Approach to Drug Interactions. *Consultant*, 22(12):138-143, December, 1982.

Pierce, C.H. When we should be measuring plasma concentrations of drugs. *Consultant*, 25(5): 174-183 May, 1984.

Pierce, C.H. How calcium antagonists interact with Cardiac Glycosides. *Consultant*, 26(9): 82-89 September, 1986

Pierce, C.H. Asthma Therapy from the Practice perspective: Changes in the Wind. *Journal of Clinical Pharmacology*, 39(3): 223-229, March 1999

Pierce, C.H. Human subject safety; *GCPj* 8(3), 9, March 2001

Pierce, C.H. Are new drugs really riskier?; *GCPj*, 9(7):6, July, 2002

Pierce, C.H., Walson, P. Where are the Pediatric Investigators?; *GCPj*, 9(8): Aug, 2002