

## **C.E. "TED" BAIN, BENG, MD, CCFP (EM)**

### **CURRICULUM VITAE**

#### **EDUCATION**

CCFP (EM)	Certificant Special Competence in Emergency Medicine College of Family Physicians of Canada	1996
CCFP	Certificant College of Family Physicians of Canada	1995
	Rotating Internship Scarborough General Hospital Scarborough, Ontario	1983-1984
MD	Queen's University Kingston, Ontario	1979-1983
BEng	Royal Military College Kingston, Ontario	1970-1974

#### **SELECTED CONTINUING EDUCATION COURSES**

Traffic Accident Reconstruction I & II Northwestern University Traffic Institute, Evanston, Illinois	2003
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#### **PROFESSIONAL EXPERIENCE**

Consultant Biodynamic Research Corporation San Antonio, Texas	2003-Present
Emergency Medicine Prince George Regional Hospital Prince George, British Columbia	2000-2003
Emergency Medicine Surrey Memorial Hospital Surrey, British Columbia	1993-2003

Emergency Medicine 1984-1992  
Dufferin Area Hospital  
Orangeville, Ontario

Emergency Medicine 1984-1986  
Georgetown & District Hospital  
Georgetown, Ontario

Family Medicine, Private Practice 1992-2000  
Surrey, British Columbia

Family Medicine, Private Practice 1984-1992  
Caledon, Ontario

Pilot, Canadian Armed Forces 1974-1979

### **APPOINTMENTS**

Clinical Adjunct Professor, USAF School of 2008-Present  
Aerospace Medicine

Inspector, Medical Services Commission 2000-2005  
Province of British Columbia

Emergency Department Locum 2000-2003  
Prince George Regional Hospital  
Prince George, British Columbia

President, Whistler Mountain Medical Associates 1999-2003  
Whistler, British Columbia

Instructor, Advanced Cardiac Life Support 1996-2004

Instructor, Advanced Trauma Life Support 1996-2004

Chief, Department of General Practice 1996-2000  
Surrey Memorial Hospital  
Surrey, British Columbia

Medical Advisor, City of Surrey Fire Department 1996-2003  
Surrey, British Columbia

Chairman, Medical Resource Committee Surrey Memorial Hospital Surrey, British Columbia	1994-1996
Medical Advisor, Hilton Villa Nursing Home Surrey, British Columbia	1992-1996
Active Staff, Surrey Memorial Hospital Surrey, British Columbia	1992-2003
Plant Physician, UpJohn Animal Health Orangeville, Ontario	1991-1992
Plant Physician, Regal Ware Inc. Orangeville, Ontario	1990-1992
Plant Physician, Johnson Controls Orangeville, Ontario	1990-1992
Occupational Health Physician, Dufferin Area Hospital	1989-1992
Plant Physician, Union Carbide Performance Plastics Orangeville, Ontario	1989-1992
Plant Physician, First Brands (Canada) Corp. Orangeville, Ontario	1987-1992
Civil Aviation Medical Examiner, Transport Canada	1986-1992
Member, Medical Advisory Committee Avalon Care Centre, Orangeville, Ontario	1986-1992
Associate Staff, Georgetown & District Hospital Georgetown, Ontario	1984-1986
Active Staff, Dufferin Area Hospital Orangeville, Ontario	1984-1992

## PROFESSIONAL REGISTRATIONS

Medical Licensures: Texas, USA	2004 - Present
British Columbia, Canada	1992 - Present
Ontario, Canada	1983 - 1992
The Accreditation Commission for Traffic Accident Reconstruction (ACTAR #1699)	2006 - Present

## PROFESSIONAL AFFILIATIONS

Member, Canadian Medical Association	1984-Present
Member, British Columbia Medical Association	1992-Present
Member, Canadian Association of Emergency Physicians	1994-Present
Member, College of Family Physicians of Canada	1995-Present
Member, Aerospace Medical Association	2003-Present
Member, Society of Automotive Engineers	2003-Present
Member, Association for the Advancement of Automotive Medicine	2004-Present

## PUBLICATIONS

Funk, J.R., Cormier, J.M., Bain, C.E., “Analytical Model for Investigating Low-Speed Sideswipe Collisions”, SAE 2004-01-1185, *2004 Society of Automotive Engineers (SAE) Congress*, Detroit, MI, March 2004.

Funk, J.R., Cormier, J.M., Bain, C.E., Guzman, H., Bonugli, E., “An Evaluation of Various Neck Injury Criteria in Vigorous Activities”, *2007 International IRCOBI Conference On The Biomechanics Of Impacts*, Maastricht, Netherlands, October 2007.

Funk, J.R., Cormier, J.M., Bain, C.E., Guzman, H., Bonugli, E., “Relationship between Linear and Rotational Head Acceleration in Various Activities”, *45<sup>th</sup> International ISA Biomedical Sciences Instrumentation Symposium*, Copper Mountain, CO., April 2008.

Funk, J.R., Cormier, J.M., Bain, C.E., Guzman, H., Bonugli, E., “Validation and Application of a Methodology to Calculate Head Accelerations and Neck Loading in Soccer Ball Impacts”, SAE 2009-01-0251, *2009 Society of Automotive Engineers (SAE) Congress*, Detroit, MI, April 2009.

Manoogian, S.J., Funk, J.R., Cormier, J.M., Bain, C.E., Guzman, H., Bonugli, E., “Evaluation of Thoracic and Lumbar Accelerations of Volunteers in Vertical and Horizontal Loading Scenarios”, SAE 2010-01-0146, *2010 Society of Automotive Engineers (SAE) Congress*, Detroit, MI, April 2010.

Scott, W.R., Bain, C.E., Manoogian, S.J., Cormier, J.M., Funk, J.R., “Simulation Model for Low-Speed Bumper-to-Bumper Crashes”, SAE 2010-01-0084, *2010 Society of Automotive Engineers (SAE) Congress*, Detroit, MI, April 2010.