

Clinical and Scientific Section

Annual Report 2011

Clinical & Scientific Section
Canadian Diabetes Association

Statement of Purpose

- To represent Canada's clinicians and scientists concerned with diabetes within the Canadian Diabetes Association
- To provide leadership in patient care, education and research
- To fulfil an advocacy role for Canadians with diabetes



The Year in Review

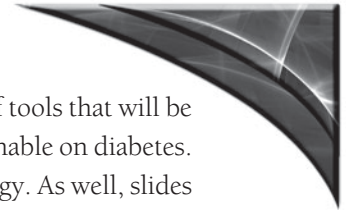
As a family physician from a rural centre, I am honoured to have been elected and supported in the role of Chair of the Clinical and Scientific Section (C&SS) and extremely proud of the accomplishments of the section this past year. I would like to thank the Executive of the C&SS: Vince Woo, Past Chair; Minna Woo, Vice Chair, Scientific; Jay Silverberg, Vice Chair, Clinical; Ron Sigal, Treasurer/Secretary; and Councillors, Onil Bhattacharyya, Ian Blumer, Alice Cheng, Robin Conway, Ron Goldenberg, Réjeanne Gougeon, Céline Huot, Farid Mahmud, Doreen Rabi, Ravi Retnakaran and Peter Senior. In addition, CDA support has been invaluable and I would like to acknowledge the much appreciated help of Sylvia Leonard, Jovita Sundaramoorthy and Carolyn Gall Casey.

It has been a year with a steep learning curve serving on the Board of Directors of the CDA and experiencing just how big and complex the Association is! I would like to acknowledge the diverse and amazing talents and dedication of the board members. The C&SS appreciates the direction from the board concerning changes in governance due to the new Canada Not For Profit Corporations Act which requires the Association to adopt a new constitution. It has also been a year of much challenge and change at the CDA as we move ahead with the strong leadership of the CEO, Michael Cloutier. The C&SS looks forward to some of the new organizational changes, such as the addition of a Chief Scientific Advisor to work with the Professional Sections.

Under the expert direction of Dr. Alice Cheng, work continues on the *2013 Clinical Practice Guidelines for the Prevention and Management of Diabetes in Canada*. The Expert Committee, a group of over 100 phenomenally dedicated professionals and people living with diabetes, met in February, followed by a meeting of the Steering Committee in September to present and discuss recommendations proposed for each chapter. The Steering Committee will meet again in October to review all recommendations, followed by another Expert Committee meeting in November. The *2008 Clinical Practice Guidelines for the Prevention and Management of Diabetes in Canada* continue to remain a source of reference for government agencies, health professionals, clinical research groups, medical curriculums and others to ensure that people living with diabetes receive the best evidence-informed care. The C&SS has recently received requests from South Africa and Australia to share the Guidelines as well as our successful strategies for dissemination and implementation.

Through the continuing efforts of the Implementation and Dissemination team, spearheaded by Dr. Ian Blumer, four of the six “tools” for the *CPG Tool Kit for the Prevention and Management of Diabetes in Canada* have been developed. This year, we released two tools:

- Protecting Mothers and Children
- Physical Activity and Exercise



Both tools were well received and work is currently ongoing for the final set of tools that will be released in 2012. Also, the 2008 *Clinical Practice Guidelines* are now fully searchable on diabetes.ca due to a grant from the Government of Ontario through the Diabetes Strategy. As well, slides created for each chapter are now available online and can be customized for presentations.

During the five-year cycle of the production of the Clinical Practice Guidelines, the C&SS develops position statements on issues that arise. In July, the position statement on A1C for the diagnosis of type 2 diabetes was published in the *Canadian Journal of Diabetes (CJD)*. Thank you to lead author, Dr. Ron Goldenberg. This was an update to the 2008 *Clinical Practice Guidelines* recommendation due to changes in the body of evidence and diagnosis criteria as proposed by many international groups. In addition, commentary on self monitoring of blood glucose (SMBG) for people with type 2 diabetes was published in the September 2011 issue of *CJD*. Thank you to Dr. David Miller and Dr. Alice Cheng for their long hours of work in this controversial area. In February of this year, it was decided that no revisions would be made to diagnostic criteria for gestational diabetes as recommendations in the 2008 *Clinical Practice Guidelines*. This will be deferred until the 2013 Guidelines.

This year, the Association and C&SS have been approached by other agencies requesting endorsement of their guidelines. The executive is looking into the process of endorsing the guidelines of other organizations and will have some policies in place by early next year.

The C&SS, through our liaison, Dr. Jay Silverberg, continues to have input into the National Advocacy Committee. A new position statement was reviewed by the C&SS and passed by the board on Mental Health and Diabetes.

With regards to professional publications, we continue to move ahead with amalgamation of three journals with a view towards indexing. The Association has retained the services of Elsevier as external publisher and the new publication is expected in February 2012. The first stage of the amalgamation is to combine the *Canadian Journal of Diabetes* and *Canadian Diabetes*; the *Diabetes Communicator* will become an electronic newsletter that will be distributed to Diabetes Education Section (DES) members. Dr. David Lau, who has worked tirelessly and has been incredibly committed to the future security of the professional publications, will initially act as Editor-in-Chief for the new journal with a full application process instituted to choose an Editor-in-Chief in early 2013.

This year, the joint Professional Sections meetings are taking place in Toronto. As the largest diabetes meeting held in Canada, the combined Canadian Diabetes Association and Canadian Society of Endocrinology and Metabolism (CSEM) professional conferences and annual meetings welcome approximately 2,300 researchers, clinicians, educators, healthcare providers and consumers to a vibrant learning environment. The commitment of all volunteers involved in the planning of this event facilitates its success, and congratulations are in order to this year's Co-Chairs Dr. Jean-François Yale (C&SS), Ms. Kathryn Arcudi (DES) and Dr. Lawrence Leiter (CSEM), and all those who worked with them to plan and execute the event. We thank Ms. Arcudi and Dr. Leiter for their contributions over the past two years as they step down as



Co-Chairs. We welcome incoming Co-Chairs Ms. Arlene Kuntz (DES) and Dr. Stephanie Kaiser (CSEM) and thank Dr. Jean-François Yale (C&SS) who will be serving as conference Co-Chair for a third year. I look forward to seeing all of you in Vancouver from October 10-13, 2012.

Communication with our membership is a priority for this executive, therefore, starting in early 2012, a monthly newsletter will be sent to C&SS members providing updates on the section and the Association. This mode of communication is now possible since the membership database is now managed in-house by the Association. This means that membership renewals and new membership applications can now be completed and processed online through the Association website (diabetes.ca).

Many small working groups have been busy developing tools and resources related to educating healthcare practitioners, such as chronic disease nurses who work in primary care with family physicians on insulin initiation. These tasks were accomplished by collaborating with the Diabetes Educator Section (DES) of the Association.

In research this year, a record number of applications were received. A total of 292 applications for Operating Grants and Personnel Awards went through peer review. The peer review committees worked long and hard to ensure the best research was funded by the Association. The 2011 competition resulted in 31 new Operating Grants and 17 new Personnel Awards. These grants and awards, combined with our ongoing research commitments and partnerships, resulted in a total commitment of \$7.2 million to research this year.

Congratulations to Dr. Stuart Ross who is the recipient of the 2011 Gerald S. Wong Service Award. This award, established in 1994, is given to a physician to recognize significant contribution to the diabetes community.

Dr. George Steiner is the recipient of the 2011 Lifetime Achievement Award. First presented in 2007, this award is bestowed upon a Canadian who is recognized for longstanding contributions to the Canadian diabetes community and as a leader in diabetes research.

As well, congratulations to Dr. Minna Woo who is the recipient of the 2011 Canadian Diabetes Association Young Scientist Award. The Young Scientist Award recognizes outstanding research conducted in Canada by young scientists in the field of diabetes.

I look forward to my second year as Chair and feel privileged to work with such a dedicated group of healthcare professionals, volunteers and staff who are all striving to improve the lives of people living with diabetes.

Dr. Maureen Clement

*Chair, Clinical & Scientific Section
Canadian Diabetes Association*

2010 CDA/CSEM Professional Conference and Annual Meetings

Edmonton, Alberta

October 20 - 23, 2010

Conference Co-Chairs Jean-François Yale MD (Clinical & Scientific Section), Lawrence A. Leiter MD (CSEM) and Kathryn Arcudi RD CDE (Diabetes Educator Section) provided leadership for an outstanding 2010 CDA/CSEM Professional Conference and Annual Meetings. More than 2,072 diabetes educators, clinicians and scientists attended the conference in Edmonton, Alberta, October 20–23, 2010.

Delegates were provided with challenging and provocative sessions that encompassed the world of diabetes and endocrinology from bench to bedside. Program highlights included presentations from internationally and nationally renowned speakers on the following topics:

- The Art and Science of Diabetes Education
- Treat the Patient, Not the Disease
- Diabetes and the Heart
- Promoting Action Through Health (PATH) – A Mental Health and Diabetes Program Partnership
- Physical Activity/Exercise: Translating Evidence into Practice Pre-Exercise Screening Approach
- Cell-based Insulin Replacement for Diabetes
- Preventing Diabetes and its Complications: A Standard of Care for 2010

Planning for 2011

The 14th CDA/CSEM Professional Conference and Annual Meetings will be held at the Metro Toronto Convention Centre-South Building in Toronto, Ontario from October 26 to 29, 2011. There, professionals will have the opportunity to exchange state-of-the-art knowledge and enjoy professional networking opportunities.



Clinical Practice Guidelines

CPG Tool Kits

The CPG Tool Kit is a handy reference for healthcare professionals which bundles a comprehensive collection of the six key themes from the *2008 Clinical Practice Guidelines for the Prevention and Management of Diabetes in Canada*:

1. Cardiovascular Risk Assessment and Reduction
2. Organization of Care
3. Protecting Mothers and Children
4. Physical Activity and Exercise
5. Foot Care
6. Diabetes Education

Each consists of clinically-oriented, practical information as well as an accompanying patient tool to help healthcare professionals integrate diabetes prevention and management strategies from the Clinical Practice Guidelines into their practice.

We recently released our third and fourth CPG Tool Kit themes, Protecting Mothers and Children and Physical Activity and Exercise.

Updating the 2013 *Clinical Practice Guidelines for the Prevention and Management of Diabetes in Canada*

The revision process has begun for the *2013 Clinical Practice Guidelines* under the leadership of Dr. Alice Cheng as Chair of the new Executive Committee. First drafts of Guideline chapters have been submitted by the Expert Committee authors, and the Steering Committee met on September 9-10 to review and revise the 2008 recommendations.

New searchable 2008 Clinical Practice Guidelines

The Canadian Diabetes Association recently announced its new searchable *2008 Clinical Practice Guidelines for the Prevention and Management of Diabetes in Canada*. Developed in partnership with, and funded by, the Ontario government through the Ontario Diabetes Strategy, the new searchable guidelines—housed on the Association’s website, diabetes.ca—allow healthcare professionals easier, more efficient access to diabetes information that is important in educating both themselves and their patients about the disease, its prevention and management.

Liaisons and Partnerships

Nutrition

The main accomplishments of the National Nutrition Committee and its subcommittees this year were as follows:

- Worked on two resources that adapt the *Just the Basics* tool for two specific Canadian high-risk populations: Hispanic/Latin American and Aboriginal. Both tools were developed by working committees whose members were mainly from these groups, as well as specially identified for their expertise in working with and solving nutritional issues in these populations. These resources assist people newly diagnosed with diabetes to select culturally familiar healthy foods, to plan meals, and to estimate the appropriate portion sizes, before meeting a dietitian. The English and French versions of the Aboriginal tool have been launched and the Inuinnaqtun, Inuktitut, and Ojibwe tools are due to launch at the professional conference.
- Published two technical reviews in the *Canadian Journal of Diabetes*:
 1. Hsu D, Zimmer V. Advanced Glycation End-products (AGEs) in Diabetes Management, *CJD*. 2010;34:136-140.
 2. Li C, Uppal M. A Clinical Update on Dietary Fibre in Diabetes: Food Sources to Physiological Effects (in preparation for the December issue).
- Disseminated background information and key messages on how to best decrease intake of dietary advanced glycation end products via an email blast to all DES and C&SS members. As well, a resource explaining the importance of fibre and demonstrating how to increase fibre consumption was created and posted on diabetes.ca.
- The Nutrition Education Resource subcommittee developed educational material on postpartum aftercare for women who developed GDM to support the CPG Tool Kit theme, Protecting Mothers and Children.
- Reviewed and supported the letter signed by the Association to support The Healthy Decisions for Healthy Eating Act through calorie labelling on menus of large-chain restaurants and vending machine operations in Ontario. Calorie labelling may help those with diabetes make informed dietary choices when eating out.



Research

Core Research Programs

The 2011 competition received a record number of applications. A total of 292 applications were peer reviewed in the following categories:

- Operating Grants: 170 applications
- Personnel Awards:
 - Scholarship Awards: 5 applications
 - Clinician Scientist Awards: 3 applications
 - Post-Doctoral Fellowships: 68 applications
 - Doctoral Student Research Awards: 46 applications

Through the support of expert review committees, the 2011 competition resulted in 31 new Operating Grants and 17 new Personnel Awards. These grants and awards, combined with our ongoing research commitments and partnerships, resulted in a total commitment of \$7.2 million to research this year.

Partnerships

Research partnerships continue to provide opportunities for the Association to fund world-class research and recruit young investigators for diabetes research through novel mechanisms. Synergies among funding partners provide specialized research opportunities that otherwise would not be possible. These unique agreements are strong indicators of the partners' commitments to the development of future scientists and clinicians in Canada.

Cardiovascular Complications of Diabetes

This is the fifth year of this partnership with the Canadian Institutes of Health Research (CIHR), the Institute of Circulatory and Respiratory Health (ICRH), the Institute of Aboriginal Peoples' Health (IAPH), the Institute of Infection and Immunity (III), the Institute of Nutrition, Metabolism and Diabetes (INMD), the Heart and Stroke Foundation (HSF), Pfizer Canada, the Finnish Funding Agency for Technology and Innovation (Tekes), and Health Canada. Three team grants and three seed grants were awarded. The total value of this partnership is more than \$9 million. The Association committed a total of \$500,000 to this partnership.



2010 Krescent New Investigator Award and 2010 Canadian Diabetes Association Clinician Scientist Award

This partnership with the Canadian Society of Nephrology and The Kidney Foundation of Canada will fund a new investigator for three years.

2011 – Julia McFarlane Chair in Diabetes Research

In 2011, the Canadian Diabetes Association partnered with the University of Calgary to assume the Julia McFarlane Chair in Diabetes Research. The ultimate goal of the Chair is to support research focused on finding a cure for diabetes. Dr. Pere Santamaria was named Chair in 2011. His lab was renamed the Canadian Diabetes Association Laboratory. The Association will commit \$1.25 million for a period of five years.

CDA Scientists – Centre for Research in Childhood Diabetes (University of British Columbia)

The Association's commitment within this partnership will support three scientists with salary for their first five years. The recruitment phase is complete with all three positions confirmed. The Association has committed a total of \$1.2 million to this partnership.

CDA Chair in Diabetes Management (The University of Western Ontario)

The Association partnered with The University of Western Ontario and established a Chair in Diabetes Management that focuses on improving the long-term health outcomes of people with diabetes by developing and evaluating an evidenced-based model of optimal diabetes management. Dr. Stewart Harris was named Chair on January 30, 2008. This is a \$5 million partnership. The Association has committed a total of \$1 million to this partnership.

Advocacy

The Public Policy and Government Relations (PPGR) team continues to make a positive impact on provincial and federal government healthcare policies and are instrumental in raising the profile of diabetes across Canada. They work to address the burden of diabetes, to improve access to diabetes services, care and support, and to achieve equality for all Canadians living with the disease. They are a strong voice for those living with diabetes.

This past year, the PPGR team achieved many significant wins and led many advocacy efforts:

- Built on the 2009 *Economic Tsunami* report by continuing to generate Provincial Cost Model Reports detailing diabetes prevalence and cost in each province, generating 55 million media impressions. As a result, New Brunswick committed to a diabetes strategy.
- In partnership with Diabète Québec, released *Diabetes: Canada at the Tipping Point – Charting a New Path*, a report outlining the burden of diabetes and government response across Canada, generating more than 19 million media impressions. The report launched in conjunction with Ontario Diabetes Day at the Ontario legislature where more than 50 diabetes advocates received advocacy training and met with more than 25 members of the provincial Parliament.
- Presented a brief to the House of Commons Standing Committee on Health Study on Healthy Living recommending that governments collaborate to: implement a pan-Canadian healthy weights strategy; examine regulatory options to promote healthy eating and physical activity; and institute a secondary prevention strategy.
- Trained more than 60 volunteers during the 2010 National Advocacy Leadership Forum on December 5, 2010. This was followed by the Association's annual Diabetes Day on the Hill where 150 members of Parliament, senators and parliamentary staff attended a risk assessment booth to learn about their personal risk of developing type 2 diabetes. Advocates met with more than 50 members of Parliament.
- Trained more than 40 advocates to negotiate with decision-makers during the Prairie Advocacy Leadership Forum on September 11, 2012. The following day, the Association released two reports: *The Economic Benefit of Public Funding of Insulin Pumps in Alberta* and *The Burden of Out-of-Pocket Costs for Canadians with Diabetes*. These reports highlight the need for public funding for insulin pumps to address the burden of diabetes in Alberta, and new research calculating out-of-pocket costs for Canadians with diabetes. Other provincial pump reports will be released later this year.
- Launched regional Area Advocacy Committees (AACs) to support advocacy in the Pacific, Prairies, Ontario and Atlantic regions. Recognizing the importance of regional leadership, the AACs will be enhanced to ensure effectiveness.
- Position statement on "Diabetes and Mental Health" was drafted and approved by the Board, recommending regular mental health screening for people with diabetes and its importance to diabetes management. Further dissemination will occur during Mental Illness Awareness Week (October, 2011).



- Re-launched the Association's *Election Central* (election.diabetes.ca) – an interactive bilingual elections tool that provides information on key diabetes-related issues, including what advocates can do to make a change happen. First built in preparation for the federal election, *Election Central* provided support to diabetes advocates to encourage participation in subsequent provincial election campaigns.

Awards And Recipients



Gerald S. Wong Service Award

The Gerald S. Wong Service Award was established in 1994 to honour the memory of Dr. Gerald Wong, an advocate of the highest standard in diabetes care and education. It is awarded to a physician to recognize significant contribution to the diabetes community.

2011 Stuart Ross	2002 Bernard Zinman
2010 Hugh Tildesley	2001 Sara J. Meltzer
2009 Makram Boctor	2000 Denis Daneman
2008 Heather Dean	1999 Keith G. Dawson
2007 Stewart B. Harris	1998 Errol B. Marliss
2006 Lawrence A. Leiter	1997 John A. Moorhouse
2005 N. Wilson Rodger	1996 Meng-Hee Tan
2004 Robert J. Gardiner	1995 Robert Ehrlich
2003 Amir Hanna	1994 George Molnar

Canadian Diabetes Association Young Scientist Award

This award was established to encourage, by appropriate recognition, outstanding research conducted in Canada by young scientists in the field of diabetes. In the event that no suitable nominations are made, the award is deferred for the year.

2011 Minna Woo	2000 Pere Santamaria
2010 Timothy J. Kieffer	1999 Hertzel C. Gerstein
2009 Vincent Poitout	1998 Patricia Brubaker
2008 Jeff Johnson	1997 Jean-Pierre Depres
2007 Peter E. Light	1996 Daniel Drucker
2006 C. Bruce Verchere	1995 Diane Finegood
2005 André Marette	1993 George Fantus
2004 Gregory S. Korbutt	1991 Gerald Van de Werve
2003 Michael B. Wheeler	1990 Amira Klip
2002 Robert A. Hegele	1988 Bernard Zinman
2001 Gary Lewis	1987 Jerry Radziuk



Clinical & Scientific Section / Canadian Diabetes Association Lifetime Achievement Award

The Clinical and Scientific Section of the Canadian Diabetes Association established the Lifetime Achievement Award in 2007 to recognize Canadian achievement for a lifetime commitment to research excellence. The award is bestowed upon a prominent Canadian MD or PhD medical scientist who is recognized and nominated by his/her peers for long-standing contribution to the Canadian diabetes community and for being a leader in diabetes research.

2011	George Steiner
2010	Raymond Rajotte
2009	Bernard Zinman
2008	John Dupré
2007	Mladen Vranic

Clinical & Scientific Section

October 2010 to October 2012

C&SS Executive Position	Executive Member	Member/Liaison to Council/Committee
Chair	Dr. Maureen Clement	All C&SS Ad Hoc and Standing Committees CDA National Board of Directors Executive Committee, <i>2013 Clinical Practice Guidelines</i> 2011 Conference Program Planning Committee
Past Chair	Dr. Vincent Woo	Executive Committee, <i>2013 Clinical Practice Guidelines</i> 2011 Conference Program Planning Committee
Vice Chair, Clinical	Dr. Jay Silverberg	Member, National Advocacy Committee
Vice Chair, Scientific	Dr. Minna Woo	National Research Council Vice Chair, Personnel Awards Committee
Secretary/Treasurer	Dr. Ronald Sigal	Expert Committee, <i>2013 Clinical Practice Guidelines</i>
Councillor	Dr. Onil Bhattacharyya	Member CDA, Website Committee Steering Committee, <i>2013 Clinical Practice Guidelines</i>
Councillor	Dr. Ian Blumer	Chair, Dissemination and Implementation, <i>2008 Clinical Practice Guidelines</i>
Councillor	Dr. Farid Mahmud	
Councillor	Dr. Doreen Rabi	Expert Committee, <i>2013 Clinical Practice Guidelines</i>
Councillor	Dr. Réjeanne Gougeon	Expert Committee, <i>2013 Clinical Practice Guidelines</i> Chair, National Nutrition Committee 2011 Conference Program Planning Committee Associate Editor, <i>Canadian Journal of Diabetes</i>
Councillor	Dr. Ravi Retnakaran	Member, Personnel Awards Review Panel
Councillor	Dr. Robin Conway	2011 Conference Program Planning Committee Associate Editor, <i>Canadian Diabetes</i>
Councillor	Dr. Peter Senior	National Board Member, <i>Canadian Journal of Diabetes</i> Expert Committee, <i>2013 Clinical Practice Guidelines</i>
Councillor	Dr. Ronald Goldenberg	Steering Committee, <i>2013 Clinical Practice Guidelines</i> 2011 Conference Program Planning Committee
ADQ Representative	Dr. Céline Huot	National Camp Committee Post Graduate Education Committee Publications Working Committee
Appointed Member	Dr. Alice Cheng	2011 Conference Program Planning Committee Chair, Steering Committee, <i>2013 Clinical Practice Guidelines</i> 2011 Conference Program Planning Committee Associate Editor, <i>Canadian Journal of Diabetes</i>

Clinical & Scientific Section of the
Canadian Diabetes Association



Statement of revenue and expenses

year ended August 31, 2011

(thousands of dollars)

(unaudited)

	2011	2010
	\$	\$
Revenue		
Membership fees	39	39
Literature sales of Clinical Practice Guidelines	46	67
	<hr/>	<hr/>
	85	106
Expenses		
Membership	5	8
Literature cost of goods sold	13	10
Clinical Practice Guidelines	414	126
Awareness	–	–
Professional education awards	5	10
Annual general meetings	18	14
National executive	26	12
Administration	106	105
	587	285
	<hr/>	<hr/>
Excess of (expenses over revenue) revenue over expenses	(502)	(179)

Canadian Diabetes Association Mission

To lead the fight against diabetes by helping people with diabetes live healthy lives while we work to find a cure.

We will deliver our mission by:

- Providing people with diabetes and healthcare professionals with education and services
- Advocating on behalf of people with diabetes
- Supporting research
- Translating research into practical applications

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