Curriculum Vitae

Marie Carole BOUCHER

Born : February 06 Février 1952 in Shawinigan, Québec..

I – UNIVERSITY CURSUS :

- Medecinae doctor (MD) Université de Montréal, Montréal.1975.
- Licentiate of the Medical Council of Canada (MCCL). 1976.
- Diploma of specialised studies, Ophthalmology, Université de Montréal ,1979.
- Medical specialist certificate, ophthalmology, Corporation Professionnelle des Médecins du Québec (CPMQ). 1979.
- Royal College of Canada associate certificate,(FRCS(S), 1979.
- Fellow of theAmerican Board of Ophthalmology, United-States, 1980.
- Fellowship in Rétina and Vitreous, Retina Consultants, Barnes Hospital, . Washington University School of Medicine, St Louis, Missouri, United-States 1981.

II- PRESENT POSITION:- Clinical Associate Professor in ophthalmology Faculty of Medicine, Université de Montréal-
Chief of the Retina Service , Departement of ophthalmology, Maisonneuve-Rosemont hospital, affiliated with Université de Montréal

III- **PRINCIPAL RESEARCH ACTIVITIES:**
1) Diabetic Retinopathy : Studies of electrophysiology, pharmacology, treatments and screening by entoptic perimetry and imaging through telemedicine.
2) Macular Degeneration: Studies of pathophysiology, pharmacology, treatments, genetic and screening.
3) Telemedicine :

- -Initiator and developpement, in collaboration with the Centre de Recherche en Informatique de Montréal CRIM), the Fonds FCAR-MRST, the Sherbrooke University and the Laval Universityl, of algorithms (RETSOFT software) of automated image reconnaissance to facilitate the detection of abnormalities associated with daibetic retinopathy. (1999-2002).
- Design and developpement of a mass screening system for diabetic retinopathy through telemedicine using a non mydriatic camera.
- Validation of norms and standards for screening for diabetic retinopathy through telemedicine.

- Evaluation of access modes to telemedical screening for diabetic retinopathy (community, pharmacy, office of general physician, endocrinologist, hospital, mobile and permanent clinics) .
- Evaluation of health results and of savings in medical resources resulting from diabetic retinopathy screening through telemedicine.
- Design, development and evaluation of a software module for training readers in screening for diabetic retinopathy using digital imaging . *Aventis/CanadianSociety of Telehealth Award for Best Research or Innovation in the Use of Information Technology in Health Education.*
- Design and development of software specific for telemedical screening of diabetic retinopathy within a mobile system without immediate access to internet.
- Design and development of software dedicated to telemedical screening for diabetic retinopathy, macular degeneration and glaucoma (iVision).
- Founder of a telemedical health service (Laboratoires de la Rétine RD) dedicated to screening for diabetic retinopathy using telemedicine, operating since 2003. Screening for macular degeneration and glaucoma, using telemedicine is expected soon.
- Council for the Agence d'évaluation des technologies et des modes d'intervention en santé : Rapport sur le Dépistage de la rétinoapthie diabétique au Québec. EMIS 2008; Vol.4 :No6.
- Member of the McGill RUIS working group for the screening project for diabetic retinopathy in the First Nations.l.
- Consultant, Member of the coordination commitee, clinical and research working group, Commission de la santé et des services sociaux des Premières Nations du Québec et du Labrador (*CSSPNQL*) and Health Canada : Diabetic Retinopathy Project.

WEB SITES http://www.ophtalmo.umontreal.ca
http://www.amlfc.com Search : Bulletin/Octobre 2003/ Un leitmotiv : penser et faire autrement
http://www.laboratoiresdelaretine.com

PUBLICATIONS: **research the PUBMED site.** (Query : "Boucher M.C." as author).