

SHEINA ANNE MACADAM M.D.

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EDUCATION

Masters Science	MS Clinical Epidemiology, 2007-2008 Harvard University Boston, Massachusetts
Certification of the American College of Surgeons	Diplomate of the ABPS, November 2010
Fellowship of the Royal College of Physicians and Surgeons of Canada	FRCS(C) Plastic Surgery, May 2007
Medical Doctorate	MD, June 2002 University of British Columbia
Bachelor of Science	BScHnrs, June 1998 McGill University

POSTDOCTORAL TRAINING

Plastic Surgery Resident	University of British Columbia 2004-2007 University of Alberta 2002-2004
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CURRENT POSITION

Clinical Asst. Professor	Division of Plastic Surgery, Department of Surgery Vancouver General Hospital Vancouver, British Columbia, Canada
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PROFESSIONAL MEMBERSHIPS

Member	Canadian Society of Plastic Surgeons 2001-Present BC Medical Association 2001- Present Royal College of Physicians and Surgeons 2007-Present
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HONORS & AWARDS

CBCF Research Grant	Research Award 2011.
CBCF Research Grant	Research Award 2010.
UBC Concept Award	Research Award 2007.
IB Holubitsky Memorial Award	Excellence in a Surgical Residency 2007.
FM Woolhouse Award	Research Award 2005.
William, Sadie and Edwin Rowan Scholarship in Medicine.	Academic Achievement.
Thomas and Myrtle Gibson Scholarship in Medicine.	Academic Achievement.
David and Anne Beach Scholarship in Medicine.	Academic Achievement.
B.C. Cancer Studentship.	The Canadian Cancer Society. Provincial Student Research Grant 1998.

**HONORS &
Awards**

James McGill Entrance Scholarship	June 1994
Canada Scholarship Science & Engineering	June 1994.
The Provincial Government Award	June 1994.

**INSTITUTIONAL/
HOSPITAL
AFFILIATIONS**

Mercy Hospital	Baltimore MD November 1 2007 – March 1 2008
Vancouver General Hospital	Vancouver BC March 1 2008 – Present

**INVITED
PRESENTATIONS**

Macadam SA. (2011) Direct-to-Implant Breast Reconstruction Using AlloDerm: A Cost Analysis. Lifecell Symposium International Plastic and Reconstructive Surgery Meeting 2011. Vancouver, BC, Canada.

Macadam SA. (2010) Body Augmentation: The Allure of the Hourglass Figure. BodyWorlds Exhibition 2010. Vancouver, BC, Canada.

Macadam SA. (2010) Nipple-Sparing Mastectomy and Immediate Reconstruction in Locally Advanced Breast Cancer Patients. British Columbia Breast Tumor Group Meeting 2010. Vancouver, BC, Canada.

Macadam SA (2010) DIEP Breast Reconstruction: A Critical Review of 100 Cases. Plastic Surgery Grand Rounds 2010. Vancouver, BC, Canada.

Macadam SA. (2010) Alloderm in Post-Mastectomy Alloplastic Breast Reconstruction. Dollars and Cents: The UBC Experience. Lifecell Canadian Breast Reconstruction Forum 2010. Whistler, BC, Canada.

Macadam SA, Ho A, Lennox P, Pusic A. (2009) Patient Satisfaction and Quality of Life Following Alloplastic Breast Reconstruction: A Comparison of Patient-Reported Outcomes Amongst Saline and Silicone Recipients. Canadian Society of Plastic Surgeons Annual Meeting 2009. Kelowna, BC, Canada.

Macadam SA. Paradigm Shift: Drafting a New Blueprint for Research. Plastic Surgery Grand Rounds 2009. Vancouver, BC, Canada.

Macadam SA, Gandhi R, Bezuhly M et al. (2008) Simple decompression versus Anterior Transposition for Cubital Tunnel Syndrome: A Meta-Analysis. Northwest Society of Plastic Surgery Annual Meeting 2008. HI, USA.

Macadam SA, Ho A, Lennox P et al. (2007) Subfascial versus Subpectoral Breast Augmentation: Is There a Difference in Rate of Capsular Contracture? Northwest Society of Plastic Surgery Annual Meeting 2007. Lanai, HI, USA.

Macadam SA, Mehrara B, McCarthy C et al. (2006) Fat Necrosis Rates in Free TRAM Flap Breast Reconstruction: Incidence Rates Using the Thoracodorsal and Internal Mammary Recipient Vessels. Resident's Corner. Canadian Society of Plastic Surgeons Annual Meeting 2006. Quebec City, PQ, Canada.

Macadam SA, Brown E, Kennedy S. (2005) The Plastic Surgery Workforce Survey: Interpretation and Implications. Resident's Corner. Canadian Society of Plastic Surgeons Annual Meeting 2005. Nanaimo, BC, Canada.

**INVITED
PRESENTATIONS**

Macadam SA, Mehling M, Dufton JA, *et al.* (2004) Periprosthetic Nontuberculous Infection in Two Canadian Centres. A Retrospective Case Series and Review of the Literature. Resident's Corner. Canadian Society of Plastic Surgeons Annual Meeting 2004. Hamilton, ON, Canada.

Macadam SA, Clugston PA, Germann ET. (2003) Retrospective Case Review of Capsular Contracture After Two-stage Breast Reconstruction. Does Colonization of the Tissue Expander Pocket Correlate With Subsequent Implant Capsular Contracture? Resident's Corner. Canadian Society of Plastic Surgeons Annual Meeting 2003. Whistler, B.C., Canada.

**PEER
REVIEWED
PUBLICATIONS**

Ho, A, Lennox P, **Macadam SA**, Tyldesley S. (2010) Skin-Sparing Mastectomy and Immediate Autologous Breast Reconstruction in Locally Advanced Breast Cancer Patients: A UBC Perspective (In press *Ann Surg Onc*)

Jansen L, **Macadam SA** The Use of AlloDerm in Post-Mastectomy Alloplastic Breast Reconstruction: A Systematic Review. *Plast Reconstr Surg* 127(6) 2011. Division of Plastic Surgery, University of British Columbia, Vancouver, B.C., Canada.

Jansen L, **Macadam SA** The Use of AlloDerm in Post-Mastectomy Alloplastic Breast Reconstruction: A Cost Analysis. *Plast Reconstr Surg* 127(6) 2011. Division of Plastic Surgery, University of British Columbia, Vancouver, B.C., Canada.

Kropf N, **Macadam SA**, McCarthy C, Disa JL, Pusic AL, Da Lio A, Crisera C, Mehrara BJ. Influence of the recipient vessel on fat necrosis after breast reconstruction with a free transverse rectus abdominis myocutaneous flap. *J Plast Surg & Hand Surg.* 44(2) 2010. Memorial Sloan Kettering Center, New York, NY, USA.

Macadam SA, Ho A, Lennox P, Pusic A. Patient Satisfaction and Quality of Life Following Alloplastic Breast Reconstruction: A Comparison of Patient-Reported Outcomes Amongst Saline and Silicone Recipients. *Plast Reconstr Surg.* 125 (3) 2010. Division of Plastic Surgery, University of British Columbia, Vancouver, B.C., Canada.

Yau FM, **Macadam SA**, Kuusk UA *et al.* The Surgical Management of Granulomatous Mastitis. In Press: *Annals of Plastic Surgery* 64(1) 2010. Division of Plastic Surgery, University of British Columbia, Vancouver, B.C., Canada.

Macadam SA, Bezuhly M, Lefaiivre KA. Outcomes Measures Used to Assess Results After Surgery for Cubital Tunnel Syndrome: A Systematic Review of the Literature. *Journal of Hand Surgery (Am)* 34(8) 2009. Harvard School of Public Health, Department of Epidemiology. Boston Massachusetts.

Lefaiivre KA, **Macadam SA**, Davidson DJ *et al.* Length of Stay, Mortality, Morbidity and Delay to Surgery in Hip Fractures. *Journal of Bone & Joint Surgery (Br)* 91B(7) 2009. Harvard School of Public Health, Department of Epidemiology. Boston Massachusetts.

**PEER
REVIEWED
PUBLICATIONS**

Macadam SA, Gandhi R, Bezuhly M *et al.* Simple decompression versus Anterior Transposition for Cubital Tunnel Syndrome: A Meta-Analysis. *Journal of Hand Surgery (Am).* 33(8) 2008. Harvard School of Public Health, Department of Epidemiology. Boston Massachusetts.

Macadam SA, Kennedy S, Anzarut A, *et al.* The Plastic Surgery Workforce Survey: Interpretation and Implications *Plastic & Reconstructive Surgery* 119(7) 2007. Department of Plastic Surgery, University of British Columbia, Vancouver, B.C., Canada.

Macadam SA, Mehling BM, Dufton JA, *et al.* Periprosthetic Nontuberculous Infection in Two Canadian Centres. A Retrospective Case Series and Review of the Literature *Plastic & Reconstructive Surgery* 119(1) 2007. Department of Plastic Surgery, University of British Columbia, Vancouver, B.C., Canada.

Macadam SA, Clugston PA, Germann ET. Retrospective Case Review of Capsular Contracture After Two-Stage Breast Reconstruction. Does Colonization of the Tissue Expander Pocket Correlate With Subsequent Implant Capsular Contracture? *Annals of Plastic Surgery* 53(5) 2004. Department of Plastic Surgery, University of British Columbia, Vancouver, B.C., Canada.

Macadam SA, Cimolai N. Anti-Mycoplasma Pneumoniae Secretory Antibody in Human Breast Milk. *Diagnostic Microbiology and Infectious Disease.* 43 2002. Department of Pathology and Laboratory Medicine, University of British Columbia, Vancouver, B.C., Canada.

Wong FMP, **Macadam SA**, Kim A, *et al.* A Lipid-Based Delivery System for Antisense Oligonucleotides Derived From a Hydrophobic Complex. *Journal of Drug Targeting.* 10(8) 2002. Department of Advanced Therapeutics, British Columbia Cancer Agency, Vancouver, B.C., Canada.

**MEETING
ABSTRACTS**

Jansen L, **Macadam SA** (2010) The Use of AlloDerm in Post-Mastectomy Alloplastic Breast Reconstruction: A Systematic Review & Cost Analysis. Canadian Society of Plastic Surgeons Annual Meeting 2010. Halifax, NS, Canada.

Macadam SA, Ho A, Lennox P, Cook EF, Pusic A. (2009) Patient Satisfaction and Quality of Life Following Alloplastic Breast Reconstruction: A Comparison of Patient-Reported Outcomes Amongst Saline and Silicone Recipients. Canadian Society of Plastic Surgeons Annual Meeting 2009. Kelowna, BC, Canada.

Macadam SA, Gandhi R, Bezuhly M *et al.* (2008) Simple decompression versus Anterior Transposition for Cubital Tunnel Syndrome: A Meta-Analysis. Northwest Society of Plastic Surgery Annual Meeting 2008. HI, USA.

Macadam SA, Ho A, Lennox P *et al.* (2007) Subfascial versus Subpectoral Breast Augmentation: Is There a Difference in Rate of Capsular Contracture? Northwest Society of Plastic Surgery Annual Meeting 2007. Lanai, HI, USA.

Morley R, **Macadam SA**, Courtemanche D *et al.* (2007) Shaped Versus Round: A Comparison of Implants for Breast Augmentation. Northwest Society of Plastic Surgery Annual Meeting 2007. Lanai, HI, USA.

MEETING
ABSTRACTS

Macadam SA, Mehrara B, McCarthy C et al. Fat Necrosis Rates in Free TRAM Flap Breast Reconstruction: Incidence Rates Using the Thoracodorsal and Internal Mammary Recipient Vessels. Resident's Corner. Canadian Society of Plastic Surgeons Annual Meeting 2006. Quebec City, PQ, Canada.

Macadam SA, Brown E, Kennedy S. (2005) The Plastic Surgery Workforce Survey: Interpretation and Implications. Resident's Corner. Canadian Society of Plastic Surgeons Annual Meeting 2005. Nanaimo, BC, Canada.

Macadam SA, Mehling BM, Dufton JA, et al. (2004) Periprosthetic Nontuberculous Infection in Two Canadian Centres. A Retrospective Case Series and Review of the Literature. Resident's Corner. Canadian Society of Plastic Surgeons Annual Meeting 2004. Hamilton, ON, Canada.

Macadam, SA, Clugston, PA, Germann, ET. (2003) Retrospective Case Review of Capsular Contracture After Two-Stage Breast Reconstruction. Does Colonization of the Tissue Expander Pocket Correlate With Subsequent Implant Capsular Contracture? Canadian Society of Plastic Surgeons 57th Annual Meeting 2003. Whistler, B.C., Canada.

Macadam SA, Cimolai N. (1999) Secretory Antibody to Mycoplasma Pneumoniae in Human Breast Milk. 13th International Congress of the International Organization for Mycoplasmaology. Fukuoka, Japan.

Wong FMP, **Macadam SA, Kim A, et al.** (1999) Cationic Lipid/Oligonucleotide Particles Effectively Deliver Oligonucleotides and Down Regulate bcl-2 Expression in DoHH-2 and 518A2 Cells in vitro. Bridging the Strait of Georgia, British Columbia Cancer Agency Symposia. Cowichan Bay, B.C., Canada.

Wong FMP, **Macadam SA, Kim A, et al.** (1998) Formation and Delivery of Novel Oligonucleotide/Cationic Lipid Complexes. Sixth Liposome Research Days. Marseilles, France.

Wong FMP, **Macadam SA, Kim A, et al.** (1998) Formation and Delivery of Novel Oligonucleotide/Cationic Lipid Complexes. 89th Annual Meeting of the American Association for Cancer Research. New Orleans, LA, U.S.A.

Wong FMP, **Macadam SA, Kim A, et al.** (1998) Cationic Lipid/Oligonucleotide Particles Effectively Deliver Oligonucleotides and Down Regulate bcl-2 Expression in DoHH-2 and 518A2 Cells in vitro. Gordon Conference: Gene Regulation and Cancer. Homestead, VA, U.S.A.

Ho, A, **Macadam SA, Lennox PA.** The Use of Botulinum Toxin-A in Two-stage Tissue Expander/Implant Reconstruction – A Randomized Controlled Trial.

Ho, A, **Macadam SA, Tyldesley S, Lennox PA.** Radiation Protocol for Alloplastic Breast Reconstruction Patients: A UBC Perspective

Seal S, Martin M, Lennox PA, **Macadam SA.** Preoperative and Postoperative Assessment of Rectus Abdominis Muscle Size and Function Following Deep Inferior Epigastric Perforator (DIEP) Surgery

Zhong T, Brown M, Hofer S, Semple J, **Macadam SA.** One-stage Breast Reconstruction Using Dermal Matrix/Implant Versus Two-stage Expander/Implant Reconstruction.

WORK IN
PROGRESS

**RESEARCH
SUPPORT**

Granting Agency: Canadian Breast Cancer Foundation
Project Title: "*The Use of Botulinum Toxin-A in Two-stage Tissue Expander/Implant Reconstruction*"

Role: Co-investigator. Principle Investigator: Dr A Ho.
Amount: \$137,000 awarded June 2011.

Granting Agency: Canadian Breast Cancer Foundation Research
Project Title: "*Quality of Life and Patient Reported Outcomes of Reconstruction in Breast Cancer Survivors*"

Role: Principle Investigator.
Amount: \$115,000 awarded November 2010.

Granting Agency: University of British Columbia Center for Surgical Excellence
Project Title: "*Measuring Patient Satisfaction and Health-Related quality of Life Following Breast Reconstruction: A comparison of Patient-reported outcomes among saline and silicone implant recipients*".

Role: Principle Investigator.
Amount: \$5000 awarded September 2008.

**RESEARCH
ACTIVITY**

Reviewer for The Canadian Journal of Surgery
Reviewer for The Journal of Brachial Plexus and Peripheral Nerve Injury

CERTIFICATES

Basic Life Support (2011)
AO/ASIF Course (2006)
Advanced Burn and Life Support (2005)
Advanced Cardiac Life Support (2002)
Advanced Trauma and Life Support (2002)
Pediatric Advanced Cardiac Life Support (2002)