



CSPS NEWS

THE NEWSLETTER OF THE CANADIAN SOCIETY OF PLASTIC SURGEONS

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Spring 2008

CSPS Lifetime Achievement Award will be given to Dr. Arnis Freiberg and Dr. Winston Parkhill



Winston Parkhill,
MD, FRCSC

SINCE GAINING his Royal College Fellowship in Plastic Surgery in 1972 and as a member of the Canadian Society of Plastic Surgeons since 1973, Dr. **Winston Parkhill** has contributed to Canadian Plastic Surgery at every level of involvement in the Society and in his role as valued teacher and colleague. He trained in Halifax and in Toronto, returning to Halifax in 1972 to become that province's third plastic surgeon, supplementing

the teaching staff in the newly formed plastic surgery training program and becoming deeply involved in hand surgery.

Winston Parkhill was President of the Educational Foundation of the CSPS from 1991-1993 and President of the Canadian

Please see Dr. Parkhill, page 2

DR. ARNIS FREIBERG, originally from Latvia, came to Canada after World War II. He certified in Plastic Surgery in 1967 and became a Fellow of the American College of Surgeons in 1985. Dr. Freiberg's keen interest in hand surgery led him to positions as President of MANUS Canada and

the American Association for Hand Surgery.

As a teacher of several generations of plastic surgeons, Dr. Freiberg has been described as the "teacher's teacher", setting the bar for plastic surgical education for a great number of plastic surgeons who have gone on in their own careers to continue his outstanding example of academic teaching generosity.

Please see Dr. Freiberg, page 2



Arnis Freiberg,
MD, FRCSC

Dr. W. K. Lindsay, Professor Emeritus, Department of Surgery, University of Toronto, 1920-2008



WE ARE SADDENED by the passing of Dr. W.K. Lindsay following a brief illness on February 5, 2008. Dr. Lindsay (or WK as he was known) was a true gentleman, a respected leader and an enthusiastic surgeon and scholar. He set and achieved high standards and will be truly missed by colleagues, friends and family.

Dr. W.K. Lindsay was born and raised in Vancouver and ventured east to study medicine, sur-

gery and plastic surgery in Toronto, Montreal and Texas. He joined the staff of The Hospital for Sick Children in 1953 where he changed the face of paediatric plastic surgery forever. His career was complimented and fuelled by his adoring wife Peggy and their 4 children: Anne, Barbara, Catherine and William Jr. In addition to his surgical career he was also an incredibly successful and eco-friendly farmer and environmentalist.

Dr. Lindsay was a man of stature in its broadest sense. His kind and amiable nature was evident in the clinic when the chil-

dren would run up to sit on his lap. He was a wonderful and empathetic clinician who led by example. Most importantly Dr. Lindsay is regarded in the highest fashion around the world by anyone who knew him as a GENTLEMAN – a true gentleman.

Dr. Lindsay loved to teach. I remember eagerly awaiting to do palate surgery with him. He would do one side then I would do the other with his attentive coaching by my side. One of his greatest accomplishments was the University of Toronto-Lanzhou Burn Ex-

Please see W.K. Lindsay, page 2

Society of Plastic Surgeons in 1994. It is to him that the Society owes the very popular Educational Foundation Eye-Opener Sessions held during the CSPS annual meeting.

Numerous awards have recognized Dr. Parkhill's dedication to teaching and to plastic surgery, among them are the Annual Award for Excellence in Teaching, Department of Surgery, Dalhousie University – 1999 and the Distinguished Service Award, Department of Surgery, Dalhousie University – 1997. His philosophy as a teacher has been "To teach is to learn".

Not only a dedicated Plastic Surgeon, his colleagues throughout Canada recognize his contagious laughter, lust for life and love of his family. Everyone knows where Winston – and Mary – Parkhill are, there is a good time to be had.

The Canadian Society of Plastic Surgeons is richer for the active and devoted membership of Dr. Winston Parkhill.

From page 1, **Dr. Freiberg**

In 1995, the University of Toronto's, Department of Surgery, Division of Plastic Surgery, established two annual awards to recognize contributions of Plastic Surgery staff. The Teaching Excellence Award was named after Arnis Freiberg, who was also the first recipient of the award.

In 2000-2001, Dr. Freiberg was awarded a North America-wide Out-standing Surgical Teaching Award by the Association for Surgical Education at its meeting in Nashville, Tennessee

In spite of numerous accomplishments and recognition in Canada, Dr. Freiberg did not forget his Latvian roots. In 1989, he returned to Latvia where he was instrumental in the formation of the Baltic Society of Maxillo-Facial and Plastic Surgeons, of which he was made an honorary member.

Since 1967, Canadian Plastic Surgery has been strengthened by Dr. Freiberg's contributions; the Canadian Society of Plastic Surgeons has been honored by his membership.

Award Presentation

The CSPS Lifetime Achievement Award will be presented to Dr. Freiberg and Dr. Parkhill at the Society's Annual Meeting in St. John's, Newfoundland during the President's Banquet on Friday evening, June 27th at the Delta St. John's Hotel.

change which was sponsored by CIDA. This was also known as the Canada/China University linkage project CCULP. Students and teachers would go to Lanzhou or come to Toronto with Dr. Lindsay orchestrating the exchange and facilitating their education. For this he was awarded the Honourary Headship of the Provincial Hospital in Gansu Province.

Dr. Lindsay's greatest impact perhaps was as an administrator. He became the Division Head at The Hospital for Sick Children in 1958 and held the position until 1986, some 29 years. He was Chairman of the University Division of Plastic Surgery from 1965 – 1986, the 20 years of the greatest growth in plastic and reconstructive surgery. I would like to quote a recent article; "from an administrative viewpoint, Dr. Lindsay was a man of vision and a statesman *par excellence*. As Chairman of Plastic Surgery at the University of Toronto he foresaw the changes that technology was providing.

He supported, encouraged and facilitated new directions for our specialty and literally allowed us to develop into the leading plastic surgical centre in North America". Hence the sub-specialists could flourish. These included Wally Peters in burns, Ralph Manktelow in microsurgery, Ian Munro in craniofacial surgery, and Nancy McKee in research. This set the stage for the enormous successes the Division of Plastic Surgery at the University of Toronto has witnessed over the past 30 years. Without his vision and guidance, this would not have occurred. Even in retirement, Dr. Lindsay continued his long term involvement with the R. S. McLaughlin Foundation acting as a Trustee. In recognition of all of these achievements, our division has created the Lindsay-Thomson symposium in Paediatric Plastic Surgery.

Dr. Lindsay was a huge supporter and participant in laboratory research. A group of his research fellows formed the "Chick-en Tendon Club" which represents an example of his recognition of the laboratory as part of clinical practice. His work in tendon healing dramatically affected our approach to the injured tendon from a clinical standpoint. His interest and enthusiasm for research continued well passed his retirement. He would say "research is the foundation for the future" and always wanted to know what lay ahead. As a true team player, he formed the multidisciplinary cleft lip and palate clinic, one of the first in North America and the multidisciplinary burn team. Both of these enjoyed enormous clinical success over the years.

Dr. Lindsay was a true statesman bringing pride to our Division, our Hospi-

tal, our University and indeed our country. He was President of the Canadian Society of Plastic Surgeons in 1964-65. His devoted trainees organized the W.K. Lindsay Club which continues to meet annually at this Canadian meeting. He was President of the American Association of Plastic Surgery in 1970-71, the most prestigious and the most academic of plastic surgery organizations.

For all his accomplishments - clinical, research, educational and administrative - he was awarded the Order of Ontario in 2002. For all this, Dr. Lindsay, we thank you.

This tribute was composed by Dr. **Ronald M. Zuker**, friend, colleague, and trainee.

Plastic surgeons needed for Afghanistan

CSPS PRESIDENT, Dr. **Gordon Wilkes** has spoken with Dr. Ron Brisbois from the Canadian Armed Forces about the need for plastic surgical services in Afghanistan. Dr. Brisbois, a trauma surgeon and intensivist from Edmonton, has served in Afghanistan on several occasions. Dr. Wilkes specifically wanted to know if there was a need for CSPS members to go to Afghanistan.

The Canadian Armed Forces are indeed interested. They would look for a commitment of at least 30 days plus travel time and a two day training period prior to leaving. They would like plastic surgeons with an interest in facial trauma, burns, upper extremity and hand injuries. About 20 % of the work is on NATO soldiers and 80% on Afghans. The injured soldiers are sent to Germany after their initial stabilizing surgery. The Canadian Government will pay \$2500 – \$3500 per day. They will also reimburse the plastic surgeon for a substantial insurance policy.

For further information, please contact Dr. Wilkes (gwilkes@cha.ab.ca; 780-483-6400), who will have more information available at the Society's Annual Meeting in St. John's.

CME CSPS ANNUAL MEETING

**AMA CATEGORY 1:
25 hours total**

**Accredited Group Learning Activity
for Royal College CPD**

GAM CANADA
29TH Annual Meeting
29e réunion Annuelle

Chair/President Joan Lipa
Secretary/Secrétaire Thomas Hayakawa

0800 Welcome: Operating Remarks and Introduction of Guest Speaker.
Bienvenue: Ouverture et présentation du conférencier invité.
Dr. Joan Lipa

0805 Guest Speaker / Conférencier Invité
The Impact of Reconstructive Surgery on Cancer Patient Management
L'impact de la chirurgie reconstructrice sur la gestion du patient atteint d'un cancer
David Chang

0900 Utilization of the SIEV in venous congested DIEP flaps. An operative algorithm **(01)**
Utilisation de la veine SIE dans la congestion veineuse des lambeaux DIEP. Un algorithme d'opération
T Hayakawa, E Buchel

0905 Laser-Assisted ICG Angiography (LA-ICGA); Applications in microsurgical breast reconstruction **(02)**
Angiographie ICG assistée par laser: Applications dans la reconstruction mammaire microchirurgicale
MC Samson, MI Newman

0910 Retrograde internal mammary vessels in breast reconstruction: An effective solution to limited antegrade vessel flow situations. **(03)**
Vaisseaux de la mammaire interne rétrograde dans la reconstruction du sein: Une solution efficace dans les situations où le débit antérograde est limité
E Buchel, T Hayakawa

0915 DISCUSSION

0920 sclGAP Flap Breast Reconstruction **(04)**
Reconstruction du sein par lambeau sclGAP
S Williamson

0925 Augmentation of free autologous breast reconstruction **(05)**
Augmentation des reconstructions mammaires par tissu autologue libre
S Olivier, T Hayakawa, E Buchel

0930 *Pulmonary embolism in breast reconstruction patients **(06)**
Embolie pulmonaire chez les patients de reconstruction mammaire
J Giuffre, T Hayakawa, E Buchel

0935 DISCUSSION

0940 *Switching to the 4th intercostal space for internal mammary vessels exposure **(07)**

Utilisation du 4^{ème} espace intercostal pour l'exposition des vaisseaux de la mammaire interne

W Menesi, T Hayakawa, E Buchel

0945 *Does perforator choice affect the outcome of DIEP breast reconstruction? **(08)**
Est-ce que le choix des perforantes affecte le résultat d'une reconstruction mammaire par lambeau DIEP

G Althubaiti, S Rabah, T Hayakawa, E Buchel

0950 *Surgical outcomes of VRAM vs. thigh-based flaps for reconstruction of pelvic and perineal cancer resection defects **(9)**

Résultats chirurgicaux des reconstructions par lambeaux VRAM vs lambeaux basés sur la cuisse dans les pertes tissulaires après résection d'un cancer pelvien ou périnéal

RA Nelson, CE Butler

1000 DISCUSSION

1005 PAUSE

1030 *Microsurgical autotransplantation of lymph nodes and the prevention of experimental lymphedema **(10)**

Autotransplantation microchirurgicale de ganglions lymphatiques et prévention du lymphoedème expérimental

D Tobbia, J Semple, M Johnston

1035 *The use of local flaps as a solution for oral incompetence following head and neck free flap reconstruction **(11)**

Utilisation des lambeaux locaux comme solution dans l'incompétence orale après une reconstruction tête et cou par lambeau libre

M Choi, G Al-Thubaiti, E Buchel, T Hayakawa

1040 Anatomical basis to the peroneal artery perforator flap (PAP) **(12)**

Base anatomique pour les lambeaux perforants de l'artère péronière

R Ahmadzadeh, M Tang, SF Morris

1050 DISCUSSION

1055 PANEL: Aesthetic Considerations in Microsurgery

TABLE RONDE: Aspects esthétiques en microchirurgie

Moderator : **Thomas Hayakawa**

David Chang, Joan Lipa, Steven Morris, Tom Hayakawa

1100 Aesthetic Considerations in Microsurgery - Case Presentations

Aspects esthétiques en microchirurgie - Présentations de cas

Moderator: **Thomas Hayakawa**

1140 CLOSING REMARKS / MOT DE CLÔTURE
Thomas Hayakawa

1145 **GAM BUSINESS MEETING**
ASSEMBLÉE GÉNÉRALE ANNUELLE
GAM CANADA

POSTERS / AFFICHES GAM CANADA

GP 1 *Reconstruction following traumatic segmental scalp avulsion: The use of replantation and composite graft: A case report
Reconstruction après une avulsion traumatique segmentaire du cuir chevelu: Utilisation de la replantation et de la greffe composée: Présentation d'un cas
L Dickson, A Thoma

GP 2 *Perioperative microsurgical free flap management: Canadian plastic surgical perspective
Traitement périopératoire des lambeaux libres microchirurgicaux : Perspective chirurgicale canadienne en plastie
AN Seal, S Macadam, DJ Courtemanche, M Hill

GP 3 *Non-breast reconstruction using the free DIEP flap
Lambeau DIEP dans les reconstructions non reliées aux seins
Q Chivers, G Althubaiti, T Hayakawa, E Buchel

GP 4 *Anticoagulation in digital revascularization and replantation microsurgery: an Analysis of beneficial and detrimental effects.
Anticoagulation dans les revascularisation et les réimplantations microchirurgicales: Une analyse des effets bénéfiques et nuisibles
G Landes, V Lemaine, PG Harris, JP Brutus, Y Tahir, A Chollet, A Dionyssopoulos, A Nikolis

Educational Foundation of the Canadian Society of Plastic Surgeons
Fondation d'éducation de la Société Canadienne des Chirurgiens Plasticiens

SYMPOSIUM

Chair / Présidente: **Patricia Bortoluzzi**

1300 Communication in the Operating Room
La communication au bloc opératoire
L Lingard

1350 DISCUSSION

Restoring Facial Normalcy

1400 The Burned Face: Acute Care and Reconstruction
Le visage brûlé: Soins agus et reconstruction
R Spence

1445 **Pause**

1500 Facial Appearance, Quality of Life and the Burdens of Cleft and Craniofacial care, - is the Quest for Normalcy Ethical or Realistic?
L'apparence du visage, la qualité de vie et le fardeau des soins des fissures et des soins crâniociaux - la quête du "normal" est-elle éthique ou réaliste?
R Strauss

1545 The Personal Experience
L'expérience personnelle
I Jackson

1630 DISCUSSION

Thursday, June 26th

**CANADIAN SOCIETY OF PLASTIC SUR-
GEONS
SOCIÉTÉ CANADIENNE DES CHIRURGIENS
PLASTICIENS**

**EYE-OPENER SESSION
SESSION LÈVE-TÔT**

0700 Aesthetic Breast Surgery
Chirurgie mammaire esthétique
D Hammond

0815 Welcome to the 62nd Annual Meeting of the
Canadian Society of Plastic Surgeons
*Bienvenue à la 62^e réunion annuelle de la
Société canadienne des chirurgiens
plasticiens*

SESSION I

Co-Chairs / Co-présidents:

Nicholas Carr, Susan Skanes

0700 Aesthetic breast surgery
Chirurgie mammaire esthétique
D Hammond

0830 Negative pressure therapy versus standard
wound care: A meta-analysis of randomized
trials (01)
*Thérapie par pression négative versus soins
usuels des plaies: Une méta-analyse des
études randomisées*
**D Suissa, A Danino, PG Harris, JS
Sampalis, A Dionyssopoulos, A Nikolis**

0835 Craniofacial osseointegration: A review of sixty
patients and an approach to minimize implant
failure (02)
*Ostéointégration craniofaciale: Revue de
soixante patients et approche pour minimiser
les échecs de l'implant*
ML Lessard, A Izadpanah

0840 CANADIAN EXPERT SERIES
SÉRIE DES EXPERTS CANADIENS
Nerve Transfers (03)
Les transferts nerveux
J Bain

0850 DISCUSSION

0855 Rehabilitation after mandibular reconstruction
with fibula free flap: Clinical (outcome) and
quality of life assessment (04)
*Réhabilitation après une reconstruction de la
mandibule par un lambeau libre du péroné:*

*Évaluation des résultats cliniques et de la
qualité de vie*

**SOP Hofer, AC Hundepool, AG Dumans, N
Fokkens, SS Rayatt, EH van der Meij, KP
Schepman**

0900 Soft tissues neo segmentation of the face
after high energy injury by a single latissimus
free flap a survey of 12 cases (05)
*Néo segmentation des tissus mous de la face
après traumatisme par haute énergie avec un
lambeau libre unique du grand dorsal. Une
étude de 12 cas*

**AM Danino, PG Harris, A Nikolis, JM
Servant**

0905 Lipofibromatosis Hamartoma: A spectrum of
nerve involvement (06)
*Hamartoma lipofibromatosis: Variabilité dans
l'atteinte des nerfs*
**JC Lin, SC Tan, E Arruda, MJ Lax, D
Anastakis**

0910 DISCUSSION

0915 The ideal rotation flap: An experimental study
(07)
*Le lambeau de rotation idéal: Une étude
expérimentale*
CH Lo, FW Kimble

0920 Discharge practices, readmission, and life-
threatening complications following primary
cleft lip repair in 23
children's hospitals (09)
*Politique des congés, réadmissions et
complications graves après la réparation
primaire des fentes labiales dans 23 hôpitaux
pédiatriques*
RA Hopper, J Starr, M Garrison, C Lewis

0925 DISCUSSION

0930 The development of a multimedia teaching aid
for the active movement scale: An evaluative
tool for infants and children with obstetrical
brachial plexus palsy (10)
*Développement d'une aide multimédia pour
l'enseignement de l'échelle des mouvements
actifs. Un outil d'évaluation pour les bébés et
les enfants avec paralysie du plexus brachial
obstrétrical*
**C Mason, CG Curtis, N Woolridge, MB
Mackay, HM Clarke**

0935 Isolated Pierre Robin sequence - prediction
model for length of hospital stay and treatment
(11)
*Séquence de Pierre Robin isolée - modèle de
prédiction de la durée du séjour hospitalier et
du traitement*
**BM Stubenitsky, D Peters, C Kelly, M
Harkness, C Forrest**

0940 Psychiatric issues in children with cleft lip
and palate (12)

*Problèmes psychiatriques chez les enfants
avec fentes labiales et palatines*
N Keyhan

0945 DISCUSSION

0950 CANADIAN EXPERT SERIES
SÉRIE DES EXPERTS CANADIENS:
Vascular Anomalies (13)
Anomalies vasculaires
P Bortoluzzi

1000 DISCUSSION

1005 PAUSE

SESSION II

Co-Chairs / Co-présidents

Stephen Brown, Patricia Egerszegi

1030 Non-surgical correction of Stahl's deformity:
An inexpensive, short-term, reproducible
method of splinting (14)
*Correction non chirurgicale de la malformation
de Stahl: Une méthode reproductible peu
coûteuse d'immobilisation à court terme*
K Boyd, D Matic

1035 Prevalence of malignant skin tumors in
childhood at The Hospital for Sick Children
(15)
*Prévalence des tumeurs malignes de la peau
durant l'enfance à l'hôpital The Hospital for
Sick Children*
**TKS Cypel, V Vijayasekaran, G Somers,
RM Zuker**

1040 Cartilage grafting techniques in secondary
cleft rhinoplasty (16)
*Techniques de greffe cartilagineuse dans les
rhinoplasties secondaires chez les patients
avec fentes*
C Forrest

1045 Association of midface hypoplasia and
premature fusion of cranial base
synchondroses in syndromic cranio-
synostoses (17)
*Association d'hypoplasie du tiers moyen de la
face et de fusion prématurée des synchon-
droses de la base crânienne dans les
craniosynostoses syndromiques*
**MS Gilardino, E Chen, R Frank, L Whitaker,
S Bartlett**

1050 DISCUSSION

1055 CANADIAN EXPERT SERIES
SÉRIE DES EXPERTS CANADIENS
Treatment of microtia (18)
Le traitement de la microtie
L Kasrai

1105 DISCUSSION

1110 The emerging role of the Plastic Surgeon in
breast cancer prophylaxis (19)

Le rôle émergent du chirurgien plasticien dans la prophylaxie du cancer du sein

E Botros, R Moufarrege, P Harris, A Hamid, A Nikolis

1115 Bilateral reduction mammoplasty following breast cancer: A case-control study **(20)**
Réduction mammaire bilatérale après cancer du sein: Une étude de cas-témoins
C Knight, F Farrokhyar, A Dal Cin

1120 Factors affecting surgical wait times for breast reconstruction **(21)**
Facteurs affectant les temps d'attente pour la reconstruction mammaire
K Boyd, C Temple, D Ross

1125 Single stage reconstruction of the nipple and areola complex and breast mound using the latissimus dorsi musculocutaneous flap **(22)**
Reconstruction en un stage du complexe aréolo-mamelonnaire et du sein en utilisant un lambeau musculocutané du grand dorsal
DC Hammond, C Bernier

1130 DISCUSSION

1135 Early protected movement for hand fractures **(08)**
Mobilisation hâtive avec protection dans les fractures de la main.
DH Lalonde, A Higgins, S Kean

1140 ADAM12: a possible regulator of Dupuytren's contracture **(74)**
ADAM12: Un régulateur possible de la contracture de Dupuytren
L Vi, A Njarlangattil, C Raykha, Y Wy, D O'Gorman, BS Gan

1145 How to stay out of the main O.R. **(82)**
Comment rester en dehors de bloc opératoire principal
MSG Bell

1150 DISCUSSION

1155 TIPS & PEARLS
CONSEILS & TROUVAILLES
Moderator : Patricia Bortoluzzi

1157 Sildenafil in the management of digital ischemia **(TP01)**
Le sildéfilanil dans le traitement de l'ischémie digitale
GB Brock, J Pope, BS Gan

1159 Repairing septal perforations from a new angle **(TP02)**
Réparation des perforations septales sous un angle nouveau
GH Wilkes

1201 Keeping the pain of local anesthetic injection to a minimum for wide awake hand surgery **(TP03)**
Réduire au minimum la douleur de l'injection

de l'anesthésique local dans la chirurgie de la main en mode éveillé

DH Lalonde

1203 "Witch's Hat" Abdominoplasty - Fleur-de-lis revived **(TP04)**
Abdominoplastie en "chapeau de sorcière" - une renaissance du fleur-de-lis
SB Heddle

1205 Coal ash poultice: An unusual cause of a chemical burn **(TP05)**
Cataplasme de cendres de charbon: Une cause inhabituelle de brûlure chimique
AN Morrit, S Bache, DR Ralston, AJ Stephenson

1207 Putting structure in the elective surgery consultation **(TP06)**
Mettre de la structure dans une consultation de chirurgie électorale
DC Birdsell

1209 Post augmentation implant repositioning **(TP07)**
Repositionnement de l'implant après une augmentation mammaire
MJ Haugrud

1211 Reducing turricephaly in Apert Syndrome: Posterior cranial vault distraction prior to anterior vault surgery **(TP08)**
Réduction de la turricephalie dans le syndrome d'Apert: Distraction de la voûte crânienne postérieure avant la chirurgie de la voûte antérieure
DA Peters, B Stubenitsky, CR Forrest

1213 Homemade suction background for microsurgery **(TP09)**
Fabrication artisanale d'une suction pour microchirurgie
P Bortoluzzi

1218 DISCUSSION

1223 IPRAS 2011 **(23)**
DH Lalonde

1228 A.W. FARMER LECTURE
CONFÉRENCE A.W. FARMER
Latissimus dorsi breast reconstruction **(24)**
Reconstruction mammaire par lambeau du grand dorsal.
D Hammond

MANUS CANADA Annual Meeting Réunion annuelle

1300 Welcome / Mot de bienvenue
Robert Richards

1305 Treatment of acute nondisplaced or minimally displaced scaphoid waist fractures: Are current recommendations followed? Experience of a tertiary medical center
Traitement des fractures aiguës non déplacées ou peu déplacées du scaphoïde. Les recommandations courantes sont-elles suivies? Expérience d'un Centre médical tertiaire
E Mailhot, E Botros, M DeChamplain, JP Brutus

1312 Scaphoid non-union: A retrospective analysis of cases treated with internal fixation and cancellous bone graft coming from Gerdy's tubercle.
Non-union du scaphoïde: une analyse rétrospective des cas traités avec fixation interne et greffe d'os spongieux provenant du tubercule de Gerdy
D Cloutier, O Boa, F Arsenaault

1319 Which outcome measure is the best? Evaluating responsiveness of the Michigan Hand Questionnaire, the DASH and the Patient Specific Functional Scale following hand and wrist surgery.
Quelle mesure de résultat est la meilleure? Évaluation de la sensibilité du Michigan Hand Questionnaire, du DASH et de l'échelle fonctionnelle spécifique au patient après une chirurgie de la main et du poignet.
P Binhammer

1326 Stretching it out – new help for delayed nerve and tendon repairs
"Allongement"- Nouvelle aide pour les réparations retardées des nerfs et des tendons.
MSG Bell

1331 Contribution of Ulnar digits to the grip strength of the hand
Contribution des doigts cubitiaux dans la force de la préhension de la main
S Alhabib

1338 Discussion

1347 The wide awake approach to Dupuytren's Disease: Fasciectomy under local anaesthesia with epinephrine and no tourniquet
Approche éveillée dans la maladie de Dupuytren: Fasciectomy sous anesthésie locale avec épinéphrine et sans tourniquet
R Nelson, J Doumit, A Higgins, J Conrad, P Barnsley, MSG Bell, DH Lalonde

1354 Analysis of limiting Wyndell-Merritt splint for extensor tendon Injuries to hand immobilization
Analyse de l'attelle restrictive Wyndell-Merritt dans les blessures des tendons extenseurs pour l'immobilisation de la main
MW Neumeister, N Berry

1401 Management of tendon avulsion at the musculotendinous junction

Traitement des avulsions des tendons à la jonction musculotendineuse
J Colin-Durand, A Thoma

1408 Discussion

**1420 Speaker of the Royal College of Physicians and Surgeons of Canada
Conférence du Collège royal des médecins et chirurgiens du Canada**

Primary and secondary cubital tunnel syndrome
Syndrome du canal cubital primaire et secondaire
Susan Mackinnon

1500 PAUSE

**1520 Presentation of the 2008 Manus Canada Foundation Grants
Présentation des bourses 2008 de la Fondation Manus Canada**

**1530 Panel / Table ronde
Innovations in Peripheral Nerve Surgery-
Management of the nerve gap
Innovations dans la chirurgie des nerfs périphériques : traitement de l'écart entre les extrémités**

Dr. **Susan Mckinnon**
Dr. **Carolyn Levis**
Ms. **Christine Novak**

1620 Discussion

**1630 Manus Canada Annual Business Meeting
MANUS Canada Assemblée Générale Annuelle**

1700 Adjourn / Clôture

Friday, June 27th

**0700 EYE-OPENER SESSION
SESSION LÈVE-TÔT
(Certified Specialists Only)
(Spécialistes certifiés seulement)**

**0700 EYE-OPENER SESSION
SESSION LÈVE-TÔT
(Residents and Candidates only)
(Résidents et Candidats seulement)**

RESIDENTS' CORNER / COIN DES RÉSIDENTS

SESSION III

Co-Chairs / Co-présidents
Amanda Fortin, Rod French

**0805 Activated protein C improves the survival of critically ischemic skin flaps in rats through the modulation of angiogenic and pro-inflammatory gene expression (25)
La protéine C activée améliore la survie des lambeaux cutanés ischémiques chez le rat par modulation de l'angiogénicité et de**

l'expression pro-inflammatoire du gène
M Bezuhy, R Juskevicius, RW Currie, KA West, SF Morris, RS Liwski

0810 The effect of topical application of an anti-inflammatory dominant negative I- κ B vector on the burn milieu of a murine scald wound model (26)

L'effet de l'application topique d'un vecteur anti-inflammatoire dominant I- κ B négatif sur un milieu de brûlure par eau chaude chez la souris
J Kennedy, S Bertsch, C Schrag, O Reid, M Trotter, R Lindsay, BW Winston

0815 Vimentin immunostaining: Is there a utility in burn depth determination? (27)

Immunocoloration par vimentin: Est qu'il y a une utilité dans la détermination de la profondeur des brûlures
KM Cross, F Khan, V Koljonen, L Leonardi, W Hanna, J Fish, D Ghazarian

0820 DISCUSSION

0825 The feasibility of using side-to-side nerve grafts to "protect" nerve pathways during axon regeneration from surgically repaired proximal nerve injuries (28)

Faisabilité d'utiliser des greffes nerveuses latéro-latérales pour "protéger" les voies nerveuses durant la régénération axonale dans les réparations chirurgicales des blessures nerveuses proximales
A Ladak, P Schembri, N Tyreman, J Olson, T Gordon

0830 Prognostic indicators in major burns: a 10-year census of burn care in Nova Scotia, Canada (29)

Indicateurs pronostiques dans les brûlures majeures: Un recensement de 10 ans de soins aux brûlés en Nouvelle-Écosse, Canada
S Colohan, L Sigurdson

0835 In vitro interactions between melanoma cells and the capillary-like network in tissue engineered endothelialized skin (30)

Interactions in vitro entre les cellules des mélanomes et le réseau ressemblant aux capillaires dans la peau endothélialisée obtenu par bio-engineering tissulaire
O Boa, G Laure, B François, G Todd, FA Auger

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0845 Patient expectations for surgical outcome in extremity soft tissue sarcoma (31)

Attentes des patients concernant les résultats chirurgicaux dans les sarcomes des tissus mous des extrémités
K Davidge, R Bell, P Ferguson, J Lipa, R Turcotte, J Wunder, A Davis

0850 Versatility of propeller flaps: a creative ap-

proach for reconstruction (32)
Versatilité des lambeaux en hélice: une approche innovatrice pour la reconstruction
C Lecours, E Mailhot, C Bernier, A Gagnon, A Chollet

0855 Recurrent infection in patients previously treated for deep sternal wound infection by sternal osteosynthesis (33)

Infection récurrente chez les patients traités par ostéosynthèse sternale pour une plaie sternale infectée profonde
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0905 Teaching ear reconstruction using an alloplastic carving model (34)

Enseignement de la reconstruction de l'oreille en utilisant un modèle alloplastique à tailler
A Murabit, D Fisher, L Kasrai, A Anzarut, G Wilkes

0910 The effects of gingivoperiosteoplasty on bone production and midfacial growth in patients with bilateral clefts (35)

Les effets de la gingivopériostéoplastie sur la production osseuse et la croissance du tiers moyen de la face chez les patients avec fentes bilatérales
SM Power, DB Matic

0915 Comparing the accuracy between laser surface scanning, computerized tomography and direct measurement for external ear anthropometry (36)

Comparaison de la précision entre la scintigraphie de surface au laser, la tomographie axiale et la mesure directe pour l'anthropométrie de l'oreille externe
A Allazzam, G Wilkes, J Olson, F Karimiboushehri, A Grosvenor, B King, M Sylvester, A Regunathan

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0925 A quantitative assessment of volume loss to immediate autologous breast reconstruction secondary to postoperative radiation therapy (37)

Une évaluation quantitative de la perte de volume après reconstruction mammaire autologue immédiate suivie de radiothérapie
S Haykal, N Guay

0930 Meta-analysis of antibiotic prophylaxis in breast reduction surgery (38)

Méta-analyse de la prophylaxie antibiotique dans la réduction mammaire
R Shortt, MJ Cooper, F Farrokhyar, J Bain

0935 Evaluation of pump controlled analgesia in autologous breast reconstruction (39)

Évaluation de l'analgésie contrôlée par pompe dans la reconstruction autologue du sein
C Medawar, G Landes, R Demetrios, H

Ciaburro, A Gagnon, A Armour, P Harris, A Nikolis

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0945 CANADIAN EXPERT SERIES
SÉRIE DES EXPERTS CANADIENS

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Les problèmes de recrutement de patients dans les études en chirurgie et les solutions possibles
A Thoma

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Co-Chairs / Co-présidents

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1030 The use of irradiated internal mammary vessels for microvascular breast reconstruction (41)
Utilisation des vaisseaux de la mammaire interne irradiée pour la reconstruction microvasculaire du sein
G Althubaiti, M Choi, T Hayakawa, E Buchel

1035 Dose uniformity for post-mastectomy irradiation: A quantitative study using tissue expanders with internal metallic ports, saline implants, and silicone implants (42)
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S Seal, A Dal Cin, K Murphy, B Strang

1040 The use of pain pumps following abdominoplasty; A prospective randomized double blind control trial (43)
Utilisation de pompes pour contrôler la douleur après une abdominoplastie. Une étude prospective contrôlée à double insu
J Lee, G Wilkes, G Moysa

1045 Biomechanical properties of facial retaining ligaments in the cadaveric model: platysmal-hyoid ligament described (44)
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A Hassa, K Roth, B Wherli, C Moore

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1056 Comparison of titanium vs. absorbable plating systems in the treatment of zygoma fractures: A cost benefit analysis (45)
Comparaison entre les systèmes de plaques de titanium et de plaques résorbables dans le traitement des fractures du zygoma: Une analyse coût-bénéfice

N Strumas, A Kattan

1101 LactoSorb fixation in craniofacial reconstruction (46)
Fixation résorbable Lactosorb dans la reconstruction craniofaciale
JS Cheng, S Gregory, DJ Courtemanche

1106 The pediatric critical size defect following cranial vault expansion for non-syndromic single suture craniosynostosis: Part II (47)
La taille critique des défauts osseux en pédiatrie après expansion de la voûte crânienne dans les craniosynostoses non-syndromiques d'une seule suture: Partie II
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1116 Facial transplant and its implications (48)
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1121 Computer assisted paramedian forehead flap design: A case report (49)
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P Kwan, G Moysa

1126 Measuring outcomes in key pinch and grasp in tetraplegic patients (50)
Mesure des résultats de la pince et de la grippe chez les patients tétraplégiques
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1136 Utility theory: A novel evaluation tool for assessing replantation outcomes (51)
Théorie de l'utilité: Un nouvel outil d'évaluation pour estimer les résultats des replantations
O Tessler, G Landes, JP Brutus, HB Williams, A Nikolis

1141 The histologic effect of tension in nerve repairs on in vitro healing of the sciatic nerve in rats (52)
L'effet histologique de la tension dans les réparations nerveuses sur la guérison in vitro des nerfs sciatiques chez
A Card, S Rabah, J Bain

1146 The thoracodorsal to long thoracic nerve transfer: An effective surgical treatment of long thoracic nerve palsy (53)
Transfert du nerf thoracodorsal au long thoracique: Un transfert efficace dans le traitement des paralysies du nerf long thoracique
M Momtazi, J Olson, M Morhart

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1156 Level of evidence in plastic surgery journals (54)

Niveau d'évidence dans les revues de chirurgie plastique

V Panchapakesan, CR Forrest, BA Graham

1201 Recent Canadian Plastic Surgery graduates: Are they prepared for the real world? (55)
Les diplômés récents en chirurgie plastique: Sont-ils préparés à la réalité?
CE Ferron, V Lemaine, B Leblanc, A Nikolis, JP Brutus

1206 Reconstructing an identity: defining the current practice profile of Quebec Plastic Surgeons (56)
Reconstruction d'une identité: définir le profil usuel de pratique des chirurgiens plasticiens du Québec
DS Guberman, CE Ferron, C Guertin, JP Brutus

1211 A question of ethics: How ethics applications affect the research of clinicians. (57)
Une question d'éthique: Comment les applications de l'éthique affectent les recherches des cliniciens
N Hallgren, D Duffy, D Courtemanche, C Verchere

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1221 Honorary Fellowship in the Division of Surgery of The Royal College of Physicians and Surgeons of Canada conferred upon Dr. Ian Jackson by Dr. G. William N. Fitzgerald, FRCS, President-Elect of the Royal College

Présentation du titre d'Associé honoraire du Collège royal des médecins et chirurgiens du Canada, division de chirurgie, au docteur Ian Jackson par le docteur G. William N. Fitzgerald, FRCS, Président-élu du Collège royal.

ROYAL COLLEGE OF PHYSICIANS AND SURGEONS OF CANADA LECTURE
CONFÉRENCE DU COLLÈGE ROYAL DES MÉDECINS ET CHIRURGIENS DU CANADA

"A Never Ending Journey"
"Un voyage perpétuel"

Ian T Jackson

SESSION V

Co-Chairs / Co-présidents

Damir Matic, Michel Samson

0805 The surgical care of pediatric facial burn injury: Is facial transplantation the new reconstructive psychosurgery? (59)

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M Hanson, R Zuker, R Zlotnik-Shaul

0810 Monobloc advancement by distraction osteogenesis in patients with syndromic craniosynostosis (60)

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0815 Custom PEEK (polyetheretherketone) implants for cranial vault reconstruction: Outcome and limitations (61)

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DA Lannon, R Backstein, G Edwards, J Mainprize, O Antonyshyn

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0825 Measure of the primary cleft lip nasal deformity by post hoc analysis of preoperative photographs (62)

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0830 Bilateral cleft lip - surgical markings for anatomic subunit repair (63)

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0835 Amniotic band syndrome and lower extremity compound fracture: A unique surgical challenge (64)

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0840 Residents on Operation Rainbow Missions Les résidents dans les missions d'opération Rainbow (65)

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J Bibeau-Poirier, B Nedelec, L Duranceau, A Armour

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0926 Which is the best dressing applied to donor sites after harvesting skin grafts? A systematic review of the literature (70)

Quel est le meilleur pansement sur les sites donneurs après prélèvement de greffes cutanées? Une revue systématique de la littérature

S Voineskos, B Ayeni, L McKnight, A Thoma

0931 Novel therapeutic strategy for attenuation of ischemia/reperfusion (I/R) injury in skeletal muscle (71)

Nouvelle stratégie thérapeutique pour atténuer les blessures reliées à l'ischémie-reperfusion dans le muscle

SE McAllister, H Ashrafpour, N Huang, K Jindal, M Moses, C Forrest, PC Neligan, JE Lipa, CY Pang

0936 Salvage of ischemic human skeletal muscle from reperfusion injury (72)

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0946 Isolated trans-gene expression in rat hind limb composite tissue allografts (73)

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0956 The See-and-Treat Clinic: No longer efficient, cost-effective and training-friendly (75)

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M Fawzy, MA Moses, EM Sassoon

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Co-Chairs / Co-présidents

Howard Adams, Mary Jean Duncan

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Annonce du recipient du Fellowship Ross Tilley 2008 & Présentation de la Conférence

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A Fortin

1051 Development of a natural language generation system for creation of personalized pre-operative patient education materials prior to reconstructive breast surgery (77)

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P Bray, C DiMarco, H Covvey, D Cowan, V Di Ciccio, E Hovy, J Lipa

1056 A comparison of three different methods of resident evaluation (78)

Comparaison de trois méthodes d'évaluation des résidents

DJ Courtemanche, GK Blair

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1126 Is the Ontario Provincial Government Policy on "Wait-Time Initiative" for cancer surgery going to improve the health care of women with breast cancer? An economic case study (81)

Est-ce que la politique du Gouvernement de l'Ontario sur "l'initiative du temps d'attente" pour la chirurgie du cancer va améliorer les soins aux femmes avec cancer du sein?

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G Rockwell

1136 Immediate autologous breast reconstruction

in locally advanced breast cancer patients: A UBC perspective (83)
Reconstruction mammaire autologue immédiate chez les patientes avec un cancer du sein avancé localement
AL Ho, S Tyldesley, P Lennox

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1146 Pathogenesis of radiation-induced capsular contracture in tissue expander and implant breast reconstruction (84)
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JE Lipa, W Qiu, N Huang, CY Pang

1151 Lymphoma of the breast and its relationship to implants (85)
Lymphome du sein et sa relation avec les implants
GS Brody, D Deapen, L Popplewell, K Chang, JS Anderson

1156 "Delayed Pattern" Immediate breast reconstruction (86)
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S Olivier, T Hayakawa, E Buchel

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1206 Anatomic TRAM (87)
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1211 A systematic review of patient reported outcome measures after facial cosmetic surgery and/or non-surgical facial rejuvenation (88)
Une revue systématique des mesures de résultats rapportés après chirurgie faciale cosmétique et/ou rajeunissement facial non-chirurgical
A Scott, T Kosowski, CM McCarthy, AL Pusic

1216 A novel approach to reconstruction on stubborn crooked nose with a different spreader graft: nasal bone grafts that harvested from nasal hump removing (89)
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I Emsen

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1226 BEYOND THE KNIFE / AU-DELÀ DU COUTEAU
Introduction
Howard Clarke

1231 BEYOND THE KNIFE

AU-DELÀ DU COUTEAU
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Trouver Némó chez soi
Gary Lobay

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Analyse prospective des patientes ayant eu une réduction mammaire: Pouvons-nous prédire la grandeur du bonnet
MJ Cooper, A Dal Cin

RP02 LeFort III fractures: Bicoronal approach or not? A provincial trauma center's experience
Fractures LeFort III: Approche bicoronale ou non? Expérience d'un centre de trauma provincial
S Dupéré, DE Borsuk, E Bensimon

RP03 The use of vacuum-assisted closure (VAC) in the pediatric neuromuscular scoliosis population for the closure of deep infections post-spinal instrumentation
L'utilisation de fermeture assistée par vacuum (VAC) dans la population pédiatrique de scoliose neuromusculaire pour la fermeture des infections profondes après instrumentation spinale
J Toy, K Firth, J Olson

RP04 Outcomes of extremity soft-tissue sarcoma resection and reconstruction
Résultats des résections et reconstructions des sarcomes des membres
A Chesney, A Dal Cin, F Farrokhyar

RP05 Dehiscence following open sternotomy: A 10-year retrospective analysis of incidence and co-morbidity profiles
Déhiscence après sternotomie ouverte. Une analyse rétrospective de 10 ans des profils d'incidence et de co-morbidité
J Dawes, M Theam, R Harrop, D Nickerson, J Appoo, W Ghali

RP06 Multiple osteochondroma syndrome resulting in peroneal nerve compression: A review of the literature and report of two cases
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M Steiner, M Morhart, J Olson

RP07 Management of lower limb gigantism caused by Von Recklinghausen Neurofibromatosis: A case report
Traitement du gigantisme des membres inférieurs secondaire à une neurofibromatose de Von Recklinghausen: présentation d'un cas
W Menesi, T Hayakawa

RP08 Functional ocular changes after fronto-orbital remodeling surgery in patients with anterior synostotic plagiocephaly
Changements oculaires fonctionnels après remodelage fronto-orbital chez les patients avec plagiocéphalie synostotique antérieure
A Dumas, N Hanna, G Landes, P Bortoluzzi

RP09 Breast implant capsules and subclinical infection
L Snell, M Brown

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Xanthogranulome juvénile de l'oreille: Présentation d'un cas et revue de la littérature
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P02 Telemedicine in plastic surgery: Accuracy of digital imaging for remote management of wounds. (P02)
Télémedecine en chirurgie plastique: précision des images digitales pour le traitement à distance des plaies
MJ Trovato, A Islur, MS Granick, GM Buncke

P03 Chondrosarcoma of the hand arising from a benign enchondroma, a rare presentation and a unique reconstruction
Chondrosarcome de la main survenant sur un enchondrome bénin, une présentation rare et une reconstruction
G Al-Thubaiti, E Buchel, T Hayakawa

P04 Revascularization of an ischemic arm in a 40-hour old preterm infant
Revascularisation d'un bras ischémique chez un prématuré âgé de 40 heures
G Althubaiti, L Ross, T Hayakawa

P05 Surgical resident and training program factors that affect resident publication rates (P05)
Facteurs reliés aux programmes d'entraînement et aux résidents en chirurgie, affectant les taux de publication des résidents
FB Loisel, B Bernard, E Campbell, A Graham, AR Harrop

P06 The relationship between wait-list times and quality-of-life in patients with non-melanoma skin cancer seeking treatment
Relation entre le temps d'attente et la qualité de vie chez les patients avec cancer de peau autre que mélanome
K Meathrel, C Gabilondo

P07 Giant basal cell carcinoma: A case report, discussion of considerations for operation vs. palliation and treatment algorithm
Carcinome basocellulaire géant: Présentation d'un cas, discussion des considérations chirurgicales versus médicales et algorithme de traitement
JC Dawes, CD McKenzie, P Alakija

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