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Meeting Secretariat
Local Organising Committee
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The Council of the ANZBMS 2004
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Dear Colleagues,

Welcome to the 2004 Annual Scientific Meeting of the ANZBMS held at Cypress Lakes Resort in the Hunter Valley, NSW.

Set amongst the vineyards of the Hunter Valley, Cypress Lakes Resort provides the perfect venue for this year’s Scientific Meeting - for the exchange of ideas and the birth of new ones, for the presentation and discussion of data, or for meeting and relaxing with friends.

If you are also attending the Endocrine Society of Australia Clinical Weekend following our ASM, we encourage you to attend the Friday morning ANZBMS scientific sessions devoted to clinical issues and then to enjoy your free Friday afternoon in the Hunter Valley before the Friday evening session of the ESA Weekend, which will also have a strong bone theme.

A dose of academic bone and mineral medicine is recommended once a year. Cypress Lakes Resort is recommended at least once a lifetime. We look forward to your company and value your participation.

Edith Gardiner  
Chris White  
Co-Convenor  
Co-Convenor  
ANZBMS 2004 ASM  
ANZBMS 2004 ASM

LOCAL ORGANISING COMMITTEE

* Bronwyn Crawford  
* Martin Epstein  
* Edith Gardiner  
* Elisabeth Smith  
* Chris White (Chair)

ANZBMS AGM

The Annual General Meeting of ANZBMS will be held in the Brokenback/Wattagan Rooms at Cypress Lakes Resort on Thursday, 19 August 2004 from 1745 – 1845 hours. All members are encouraged to attend. The following awards will be presented:

- Roger Melick Young Investigators Award  
(Sponsored by: Servier)  
- Chris Nordin Young Investigators Award  
(Sponsored by: Servier)  
- Top two ANZBMS Outstanding Awards  
(Sponsored by: InSight & Key Pharmaceuticals)  
- Christine & T Jack Martin Research Travel Grant  
(Sponsored by: Merck Sharp & Dohme)  
- ANZBMS PhD Scholarship Award

For all enquiries please contact:  
Ms Emma Waygood  
ANZBMS 2004 ASM Secretariat  
Conference Action Pty Ltd  
PO Box 576 (Suite 104, 308 Pacific Highway)  
CROWS NEST  NSW  1585  AUSTRALIA  
Telephone:  +61 2 9437 9333  
Facsimile:  +61 2 9901 4586  
Email:  emma@conferenceaction.com.au
On behalf of all participants in this Meeting, the Organising Committee would like to express their gratitude for the support received from the following companies:

**PLATINUM SPONSORS**
- Eli Lilly Australia
- Merck Sharp & Dohme

**GOLD SPONSOR**
- Aventis Pharma Pty Ltd

**SILVER SPONSOR**
- Novartis Oncology

**OTHER SPONSORS & EXHIBITORS**
- Aventis Pharma Pty Ltd
- Boots Healthcare
- Diagnostic Systems Laboratories Australia Pty Ltd
- Eli Lilly Australia
- Inderlec Medical Systems
- InSight
- Key Pharmaceuticals
- Mayne Pharma
- Medtel Pty Ltd
- Merck Sharp & Dohme
- Novartis Oncology
- Osteoporosis Australia
- Servier
THE COUNCIL OF THE ANZBMS 2004

President  Professor Ego Seeman
President-Elect  Associate Professor Jillian Cornish
Honorary Secretary  Associate Professor David Findlay
Treasurer  Dr Mark Forwood
Councillors  Associate Professor Rebecca Mason
            Associate Professor Roger Price
            Professor Geoff Nicholson
            Professor Philip Sambrook

ANZBMS PAST & PRESENT COUNCILLORS 1990 - 2004

<table>
<thead>
<tr>
<th>Year</th>
<th>President</th>
<th>V President</th>
<th>Secretary</th>
<th>Treasurer</th>
<th>Councillors</th>
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<tbody>
<tr>
<td>1990</td>
<td>T J Martin</td>
<td></td>
<td>M Hooper</td>
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<td>A Need, R Prince, J Eisman, I Reid, K Ibbertson, D Fraser, P Sambrook, E Seeman</td>
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<tr>
<td>(Steering Group)</td>
<td>(Inaugural Council)</td>
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<td>1993-95</td>
<td>J Eisman</td>
<td>I Reid</td>
<td>N Kent</td>
<td>J Wark</td>
<td>P Sambrook, A Need, R Prince, D Perry-Keene, E Seeman</td>
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<tr>
<td>1995-97</td>
<td>I Reid</td>
<td>N Kent</td>
<td>J Moseley</td>
<td>P Ebeling</td>
<td>P Sambrook, A Need, R Prince, D Perry-Keene</td>
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<td>1997-99</td>
<td>N Kent</td>
<td>P Ebeling</td>
<td>J Moseley</td>
<td>P Ebeling</td>
<td>R Prince, I Reid, M Hooper, H Morris, M Forwood</td>
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<tr>
<td>2001-03</td>
<td>M Hooper</td>
<td>E Seeman</td>
<td>J Cornish</td>
<td>M Forwood</td>
<td>R Mason, R Price, G Nicholson, D Findlay</td>
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### ANZBMS PAST AWARD RECIPIENTS

#### ROGER MELICK YOUNG INVESTIGATOR AWARD

<table>
<thead>
<tr>
<th>Year</th>
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<tr>
<td>1996</td>
<td>Vicky Kartsogiannis</td>
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<td>1997</td>
<td>Linda Crofts</td>
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<tr>
<td>1998</td>
<td>Janelle Barry</td>
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<td>1999</td>
<td>Liza-Jane Raggatt</td>
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<td>2000</td>
<td>Sandra Iuliano-Burns</td>
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<td>Nathan Pavlos</td>
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<td>2001</td>
<td>David Good</td>
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<td>2002</td>
<td>Kun Zhu</td>
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<td>2003</td>
<td>Agatha Labrinidis</td>
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<td>Xiaofang Wang</td>
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#### CHRISTOPHER NORDIN YOUNG INVESTIGATOR POSTER AWARD

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<th>Year</th>
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<tbody>
<tr>
<td>1997</td>
<td>Anne Nelson</td>
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<td></td>
<td>Hidenori Murata</td>
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<td>1998</td>
<td>Marianne Holzherr</td>
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<td>1999</td>
<td>Tanya Uebergang</td>
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<td>2000</td>
<td>Josef Kaplan</td>
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<td>2001</td>
<td>Rebecca Jackson</td>
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<td>2002</td>
<td>Nathan Pavlos</td>
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<td>2003</td>
<td>Nicole Walsh</td>
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<td></td>
<td>Rouha Granfar</td>
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#### CHRISTINE AND T JACK MARTIN RESEARCH TRAVEL GRANT

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
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<tbody>
<tr>
<td>2002</td>
<td>Catherine Middleton-Hardie</td>
</tr>
<tr>
<td>2003</td>
<td>Vicky Kartsogiannis</td>
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#### ANZBMS OUTSTANDING ABSTRACT AWARD

**Field of Densitometry**

<table>
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<tr>
<th>Year</th>
<th>Name</th>
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<tbody>
<tr>
<td>2003</td>
<td>Rob Will</td>
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**Field of Calcium Nutrition**

<table>
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<th>Year</th>
<th>Name</th>
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<tr>
<td>2003</td>
<td>Amanda Devine</td>
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GENERAL INFORMATION

VENUE
Cypress Lakes Resort, Hunter Valley
Corner McDonald & Thompson Roads
Pokolbin NSW 2320 AUSTRALIA
Telephone: +61 2 4993 1555
Facsimile: +61 2 4993 1599

REGISTRATION DESK
The Meeting Registration Desk will be located outside the main rooms of the Convention Centre at Cypress Lakes Resort.

Registration hours:
Wednesday, 18 August 2004 0730 – 1800 hours
Thursday, 19 August 2004 0800 – 1800 hours
Friday, 20 August 2004 0830 – 1310 hours

NAME BADGES
All delegates will be given a name badge at registration. For security reasons, we ask that you wear your name badge at all times. This name badge is also the official entrance pass to all scientific sessions, exhibition area, poster area, teas & lunches each day and inclusive social functions.

MESSAGES
All messages received during the Meeting will be displayed on the message board near the registration desk.

SMOKING POLICY
There will be no smoking in all scientific sessions or in areas where food and beverage are served.

HOTEL ACCOUNTS
All delegates are reminded to pay their hotel account prior to departure from their hotel. Please note that the deposit you have paid on the ANZBMS 2004 ASM registration form has been credited to your room account, however, each delegate is responsible for the payment of incidentals and any further room costs.

CREDIT CARDS
Credit cards accepted at the Registration Desk are Mastercard, Australian Bankcard and Visa - please note that American Express & Diners will not be accepted.

MOBILE PHONES
Please ensure that all mobile phones are switched to silent mode during the scientific sessions.

DISCLAIMER OF LIABILITY
The Meeting Organising Committee reserves the right to amend any part of the Meeting program or event should it be necessary.

The Australian & New Zealand Bone & Mineral Society, including the Meeting Secretariat, will not accept liability for damages of any nature sustained by participants or their accompanying persons, or loss of, or damage to, their personal property as a result of the 2004 Annual Scientific Meeting or related events.

SOCIAL EVENTS

WELCOME RECEPTION
Venue: Exhibition & poster area
Date: Wednesday, 18 August 2004
Time: 1830 – 2030 hours
Cost: Included in Full Delegate Registration Fee
Extra tickets: $50.00 per person

It is hoped all delegates and partners will be able to attend this evening, which will be held in the exhibition & poster area.

FUN RUN
Sponsored by: Merck Sharp & Dohme
Date: Thursday, 19 August 2004
Time: 0700 - 0800 hours

All participants are asked to meet just outside the reception area of Cypress Lakes Resort by 0700 hours. Lincoln Amidy from Pinnacle Corporate Health will give you a brief on course and go through a few stretches with you. The 5km course will be indicated by markers on trees and on the ground. Please ensure that you are suitably dressed for the run and advise Lincoln of any health issues prior to starting the run. The course will conclude back at Cypress Lakes Resort on the grass area outside the Convention Centre.

GALA DINNER
Sponsored by: Osteoporosis Australia
Venue: Tamburlaine Winery
Date: Thursday, 19 August 2004
Time: 1930 - 2300 hours
(pre-dinner drinks 1930 – 2000 hours)
Cost: Included in Full Delegate Registration Fee
Extra tickets: $90.00 per person

The Gala Dinner featuring local wines will be held at Tamburlaine Winery, which is located across the road from Cypress Lakes Resort, Hunter Valley. A Cypress Lakes Resort shuttle bus will ferry people to Tamburlaine between 1915 – 1945 hours – however it is only a short walk across the road to Tamburlaine. We hope all delegates and their guests will join us on this occasion to make it a memorable evening.
HOTEL TRANSFERS

The following transfers to/from the ASM have been organised for those delegates not staying at Cypress Lakes Resort:

**Wednesday, 18 August 2004**
* 0745 hours - Harrigan's - Hunter Valley Gardens - Cypress Lakes Resort
* 2015 hours - Cypress Lakes Resort - Hunter Valley Gardens - Harrigan's

**Thursday, 19 August 2004**
* 0800 hours - Harrigan's - Hunter Valley Gardens - Cypress Lakes Resort
* 1845 hours - Cypress Lakes Resort - Hunter Valley Gardens - Harrigan's
* 1930 hours - Harrigan's - Hunter Valley Gardens - Tamburlaine Winery
* 2230 hours - Tamburlaine Winery - Hunter Valley Gardens - Harrigan's

**Friday, 20 August 2004**
* 0830 hours - Harrigan's - Hunter Valley Gardens - Cypress Lakes Resort

The distance between Cypress Lakes Resort and Hunter Valley Gardens/Harrigan's Irish Pub is about a 5 minute drive, but a 20 minute walk.

Therefore, if you would like to utilise these transfers, please wait at the hotel lobby of the particular property at the above times for collection.

KEYNOTE SPEAKERS

**GERARD KARSENTY**
_Baylor College of Medicine, Houston, Texas, USA_
Dr Gerard Karsenty is Professor of Molecular and Human Genetics at Baylor College of Medicine. His research focuses on two main areas. One is transcriptional control of osteoblast differentiation and how it relates to the pathophysiology of human skeletal dysplasias. In this line of research, his laboratory has uncovered the role of the key transcription factor Runx2 in this process. A second line of research focuses on a genetic approach of skeletal physiology with an emphasis on the molecular basis of the spatial restriction of extracellular matrix mineralization to bone and on the control of bone mass by humans and the nervous system. Professor Karsenty's groundbreaking research has identified and elucidated key mechanisms that control bone formation, providing a number of significant novel insights into bone biology and physiology.

**FRANK RAUCH**
_Shores Hospital, Montreal, Canada_
Dr Frank Rauch is Assistant Professor at the Department of Paediatrics at McGill University and Assistant Director of Clinical Research at The Shriner's Hospital for Children in Montreal. Dr Rauch has developed significant expertise in bone histomorphometry in children and in children receiving interventional therapy for metabolic bone disease. His research interests are in skeleton development and metabolic bone disorders in children and he has published extensively in both these fields. His talks at the Paediatric Bone Meeting in Sydney will include "What the heck is bone density?" and "Why are bisphosphonates such useful drugs in osteogenesis imperfecta?".

**SERGE FERRARI**
_University Hospital, Geneva, Switzerland_
Dr Ferrari is a Swiss National Science Foundation (SNF) Professor of Medicine in the Division of Bone Diseases, Department of Rehabilitation and Geriatrics at the University Hospital in Geneva, Switzerland. He currently serves as a consultant in genetics for the Framington Osteoporosis Study, is a member of the Board of Directors of the Centers for Genetics, Nutrition, Exercise & Health from the International Union of Nutritional Sciences (IUNS), a member of the Editorial Board of Osteoporosis International and a consultant for numerous drug companies interested in the development of anti-osteoporosis drugs and molecular markers of osteoporosis risk. His research aims to identify candidate gene polymorphisms for osteoporosis in humans, with a particular interest in their interaction with environmental factors. Dr Ferrari also investigates the regulation of bone mass acquisition and PTH activity in transgenic models.

**SUNDEEP KHOSLA**
_Mayo Clinic, Rochester, Minnesota, USA_
Dr Sundeep Khosla is Professor of Medicine and Research Chair in the Division of Endocrinology, Metabolism, and Nutrition, Mayo Clinic College of Medicine. His research focuses on clinical-investigative studies aimed at defining the pathogenesis of age-related bone loss in women and in men. In addition, he is also pursuing studies at a more basic level on the mechanisms of sex steroid action on bone. Dr Khosla is a member of the Council of the American Society for Bone and Mineral Research and is also on the Board of Directors of the US National Osteoporosis Foundation.

INVITED INTERNATIONAL SPEAKER

**INVITED SATELLITE MEETING SPEAKER**
The Exhibition and Poster Area will be open during the following times:

- Wednesday, 18 August 2004  1030 – 2030 hours
- Thursday, 19 August 2004  0830 – 1800 hours
- Friday, 20 August 2004    0830 – 1100 hours

Please find below a current floor plan of the area.

We acknowledge with gratitude the support given by these companies and ask that you show your appreciation by visiting all the exhibits.

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<thead>
<tr>
<th>Stand</th>
<th>Company</th>
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<tr>
<td>4 &amp; 5</td>
<td>Inderlec Medical Systems</td>
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<td>Aventis Pharma</td>
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<td>Merck Sharp &amp; Dohme</td>
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<td>Eli Lilly Australia</td>
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<td>Novartis Oncology</td>
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<td>Mayne Pharma</td>
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<td>InSight</td>
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<td>20</td>
<td>Diagnostic Systems Laboratories</td>
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**SPEAKER PREPARATION**

Speakers are asked to check their audio visual material before presenting. There will be an audio visual technician at the back of each room for the duration of the Meeting and we ask that you check-in with this technician at least two hours prior to your presentation. At this time you will be able to provide the technician with a copy of your presentation.

**POSTER DETAILS**

All posters will be displayed for the duration of the Meeting. All posters should be in place prior to 1030 hours on **WEDNESDAY, 18 AUGUST 2004** and removed by 1100 hours (morning tea) on **FRIDAY, 20 AUGUST 2004**. No responsibility will be taken for posters left after this time.

Presenting authors are asked to stand by their poster(s) at the following times:

**ODD** numbers:
- 1245 – 1315 hours, Wed, 18 Aug 2004 (lunchtime)
- 1745 – 1830 hours, Wed, 18 Aug 2004 (poster rounds B)

**EVEN** numbers:
- 1700 – 1745 hours, Wed, 18 Aug 2004 (poster rounds A)
- 1245 – 1315 hours, Thur, 19 Aug 2004 (lunchtime)

**ANZBMS 2005 ASM**

Mark your diaries now!

The ANZBMS 2005 ASM is to be held:

**Date:** 7 – 9 September 2005

**Venue:** InterContinental Burswood Resort

**Location:** Perth

All ANZBMS members and 2004 ASM delegates will automatically receive information once it is available. However, if you do have any queries, please contact the ANZBMS 2005 ASM Secretariat:

Ms Emma Waygood
Conference Action Pty Ltd
PO Box 576 (Suite 104, 308 Pacific Highway)
CROWS NEST NSW 1585 AUSTRALIA
Telephone: +61 2 9437 9333
Facsimile: +61 2 9901 4586
Email: emma@conferenceaction.com.au

NOVARTIS ½ PAGE ADVERT
SCIENTIFIC PROGRAM

WEDNESDAY, 18 AUGUST 2004
(All sessions today will be plenary style and located in the Convention Centre at Cypress Lakes Resort)

0730 - 1800  Registration

0815 - 0830   Welcome

0830 - 1030  SESSION 1 - HORMONAL CONTROL OF BONE
Chairied by: Rachel Davey & Jill Cornish

0830 - 0915  IP1  Sex hormones & the skeleton
Sundeep Khosla

0915 - 0940  IP2  Insights from ERKO models: what do they tell us about estrogen receptor function in bone?
Natalie Sims

0940 - 1030  FREE ORALS

0940 - 0950  O1  Osteoclast inhibitory lectin (OCIL) is required for normal bone remodelling in vivo and inhibits osteoblast function in vitro
Akira Nakamura, JMW Quinn, NA Sims, CT Gange, H Zhou, V Kartsogiannis, EH Allan, TJ Martin, KW Ng & MT Gillespie

0950 - 1000  O2  Thrombin stimulates osteoclast differentiation by activation of protease-activated receptor-1
Sutharshani Sivaguranathan, PD Campbell, R Smith, CN Pagel, RN Pike & EJ Mackie

1000 - 1010  O3  Inhibition of breast cancer growth in bone using TRAIL therapy
Lee Thai, A Labrinidis, S Hay, V Liapis, S Bouralexis, K Weldon, BJ Coventry, DM Findlay & A Evdokiou

1010 - 1020  O4  Targeting primary prevention of fracture in osteoporotic women: Geelong osteoporosis study
Mark Kotowicz, MJ Henry, JA Pasco, KM Sanders, E Seeman & GC Nicholson

1020 - 1030  O5  Bone resorption and osteoporotic fractures in elderly men: the Dubbo osteoporosis epidemiology study
Christian Meier, TV Nguyen, JR Center, MJ Seibel & JA Eisman

1030 - 1100  Morning tea

1100 - 1300  SESSION 2 - YOUNG INVESTIGATOR AWARDS
Sponsored by: Servier
Chairied by: David Findlay

1100 - 1115  O6  Identification and functional characterization of an osteoclast-derived osteoblastic factor (ODOF): novel growth factor in bone
Tony Phan, R Han, V Smuts, MH Zheng & J Xu

1115 - 1130  O7  Y-receptor and leptin interactions in the central regulation of bone formation and marrow fat
Susan Allison, PA Baldock, A Sainsbury, RF Enriquez, M Couzens, H Herzog & EM Gardiner

1130 - 1145  O8  Gene expression in the Pagetic osteoblast
Usha Bava, D Naot, KE Callon, IR Reid, R Pitto, S McCowan, T Cundy & J Cornish

1145 - 1200  O9  Controversies in calcium-sensing in bone
1200 - 1215  O10  Zoledronic acid treatment does not delay the process of endochondral ossification in a rat fracture model
Michelle McDonald, SK Dulai & DG Little

1215 – 1230  O11  Sesquiterpene lactone parthenolide blocks lipopolysaccharide induced osteolysis via the suppression of NF-κB activity
Kirk Ho Man Yip, MH Zheng, HT Feng, JH Steer, DA Joyce & J Xu

1230 – 1245  O12  Functional responses of bone cells to stimulation by strontium
Tara Brennan, MM Muir, AD Conigrave & RS Mason

1245 - 1300  O13  Secretory phospholipase-A2 (sPLA2) inhibition prevents ovariectomy-induced bone loss in adult rats
Laura Gregory, WL Kelly & MR Forwood

1300 - 1430  Lunch and trade displays / posters odd nos.

1430 - 1630  SESSION 3 - CURRENT ASPECTS OF BONE BIOLOGY
Chairied by: Eleanor Mackie & John Eisman

1430 - 1500  IP3  Osteoblast differentiation
Gerard Karsenty

1500 - 1530  IP4  Regulation of bone development – blind genes vs functional adaptation
Frank Rauch

1530 - 1600  IP5  PTH and arrestins
Serge Ferrari

1600 - 1630  IP6  The bone remodelling compartment: a possible coupling structure
Erik Eriksen

1630 - 1700  Afternoon tea

1700 - 1830  SESSION 4 - POSTER SESSION

1700 - 1745  Poster rounds A (EVEN poster numbers)

1745 - 1830  Poster rounds B (ODD poster numbers)

1830 - 2030  Welcome Reception
Exhibition & poster area
**THURSDAY, 19 AUGUST 2004**

0700 - 0800  
**Fun Run**  
*Sponsored by: Merck Sharpe & Dohme*

0800 - 1800  
**Registration**

0830 - 1030  
**SESSION 5 - BODY COMPOSITION AND BONE MASS**  
(Brokenback/Wattagan/Sugarloaf Rooms, Convention Centre, Cypress Lakes Resort)  
*Chairied by: Richard Prince & Rory Clifton-Bligh*

0830 - 0900  
**IP7**  
*Body weight and bone density*  
Ian Reid

0900 - 0925  
**IP8**  
*Growth hormone, IGFs and bone: a promise yet unfulfilled*  
Sundeep Khosla

0925 – 0950  
**IP9**  
*Y receptors in the central control of bone*  
Paul Baldock

0950 - 1000  
**FREE ORAL**

O14  
*An association study of BMP4 polymorphisms in postmenopausal women shows effects on bone mass*  
Richard Prince, L Rameshbabu, SG Wilson, IM Dick, FMA Islam & A Devine

1000 - 1030  
**Morning tea**

1030 - 1200  
**SESSION 6 – CONCURRENT FREE ORALS (including keynote presentations)**

**Basic:**  
(Brokenback/Wattagan Rooms, Convention Centre, Cypress Lakes Resort)  
*Chairied by: Mark Forwood & Gerald Atkins*

1030 - 1040  
**O15**  
*PTHRP as a mediator of DNA repair in cancer*  
Matthew Gillespie, N Ilievska, S Bouralexis, RJ Thomas & TJ Martin

1040 - 1050  
**O16**  
*Essential role for SIAH1A, but not SIAH2, ubiquitin ligase in bone growth and remodelling*  
Natalie Sims, IJ Frew, JMW Quinn, CR Walkley, RA Dickins, LE Purton, DDL Bowtell & MT Gillespie

1050 - 1100  
**O17**  
*Dietary omega-3 oils stimulate bone formation in vivo*  
Howard Morris, A Moore, A Mulaibrahimovic, LG Cleland & MJ James

1100 - 1110  
**O18**  
*M-CSF promotes proliferation of human osteoclast precursors but inhibits resorption by mature osteoclasts and is not necessary for resorption activity*  
Jason Hodge, MA Kirkland & GC Nicholson

1110 - 1120  
**O19**  
*Three-dimensional morphology of crack growth in cortical bone: implications for bone quality*  
Julia Kuliwaba, KH Zarrinkalam, MAB Wallwork, B Martin & NL Fazzalari

1120 - 1130  
**O20**  
*Tartrate-resistant acid phosphatase and cathepsin K promoters used to drive CRE recombinase expression in osteoclasts in transgenic mice*  
Maria Chiu, JF McManus, AJ Notini, AJ Cassady, JD Zajac & RA Davey

1130 - 1200  
**IP10**  
*Keynote Presentation - Genetic manipulation of human bone marrow stromal stem cells for enhanced regeneration of skeletal tissues*  
Stan Gronthos
Clinical:
(Sugarloaf/Bimbadeen Rooms, Convention Centre, Cypress Lakes Resort)
Chairied by: Kong-Wah Ng & Kerrie Sanders

1030 - 1040 O21 The effect on behaviour and bone mineral density of individualised bone mineral density feedback and educational interventions in premenopausal women: a randomised controlled trial
Tania Winzenberg, B Oldenburg, M Riley, S Frendin, L De Wit & G Jones

1040 - 1050 O22 Playing golf is associated with increased vertebral bone size and mass in post menopausal women
Shona Bass, J Cook, K Singleton, J Black & RM Daly

1050 - 1100 O23 The heavier they are, the harder they fall?
Julie Pasco, MJ Henry, EN Merriman, GC Nicholson & MA Kotowicz

1100 - 1110 O24 Ethnic differences in effect of calcium supplementation on bone density in peripubertal girls in a double-blind, placebo-controlled randomised trial
Christine Rodda, M Urdampilleta, J Hu, B Strauss, E Briganti & C Gilfillan

1110 - 1120 O25 Hormone replacement therapy and measures of hip strength: a co-twin analysis
Lynda Paton, T Beck, C Nowson, C Margerison, L Semanick, S Kantor & JD Wark

1120 - 1130 O26 Early experience of bisphosphonate use in adolescents with osteonecrosis
David Little, RR Brown, E Goergens & CT Cowell

1130 - 1200 IP11 Keynote Presentation – The material and structural basis of bone strength: the anatomy of fracture prevention by remodelling suppressants
Ego Seeman
Sponsored by: Aventis

1200 - 1330 Lunch and trade displays / posters even nos.

1230 - 1315 Lunchtime workshop on clinical audits
(Brokenback/Wattagan Rooms, Convention Centre, Cypress Lakes Resort)
Sponsored by: Merck Sharp & Dohme
Chairied by: Graeme Jones

O27 The bone protection project: an audit of in hospital investigation and management of osteoporosis following minimal trauma fracture (MTF)
Chris Gilfillan

O28 RPAH first fracture clinic
Lesley Sullivan

1330 - 1535 SESSION 7 - CONTROL OF BONE MINERALISATION
(Brokenback/Wattagan/Sugarloaf Rooms, Convention Centre, Cypress Lakes Resort)
Chairied by: Markus Seibel & Matthew Gillespie

1330 - 1415 IP12 Genetic determinants of the spatial restriction of extracellular matrix mineralisation
Gerard Karsenty

1415 - 1535 FREE ORALS

1415 - 1425 O29 OPG mutations that cause idiopathic hyperphosphatasia impair OPG protein secretion
Dorit Naot, CA Middleton-Hardie, H Cundy, IR Reid, T Cundy & J Cornish

1425 - 1435 O30 L-amino acid regulation of parathyroid hormone secretion
Arthur Conigrave, H-C Mun, L Delbridge, M Wilkinson, SJ Quinn & EM Brown
IL-13 inhibits osteoclast differentiation and enhances dendritic cell formation in human CFU-GM cultures
Matthew Constable, JM Hodge, CJ Aitken, CM Lopez & GC Nicholson

Lactoferrin receptors and signalling pathways in osteoblasts
Amy Zhu, A Grey, T Banovic, K Callon, M Watson, J Bracegirdle, K Palmano, IR Reid & J Cornish

Bone density relevance and interpretation in Caucasian children aged 9 – 16 years of age: insights from a population based fracture study
Graeme Jones & D Ma

Asymptomatic vertebral deformity as major risk factor for subsequent fractures and mortality: a 14-year prospective study
Tuan Nguyen, C Pongchayakul, ND Nguyen, JR Center & JA Eisman

Should all older people in residential care receive vitamin D to prevent falls? Results of a randomised trial
Leon Flicker, R MacInnis, M Stein, S Scherer, K Mead, C Nowson, J Thomas, C Lowndes, JL Hopper & JD Wark

The femoral neck is ellipsoid. Assumption of circularity introduces errors in FN volume, volumetric bone mineral density and bone strength
Roger Zebaze, F Walsh, S Iuliano-Burns, A Evans, J Konstantynowicz & E Seeman

Vitamin D metabolism in human osteoblasts
Gerald Atkins, PH Anderson, K Welldon, ACW Zannettino, PD O’Loughlin, HA Morris & DM Findlay

Prostaglandin E₂ mediates IL-6 production by thrombin-stimulated osteoblasts
Charles Pagel, S-J Song, L-H Loh, S Merlin, E Tudor, RN Pike & EJ Mackie

Hydrogen peroxide accelerates human osteoclast differentiation and up-regulates thioredoxin
Michelle Chacksfield, JM Hodge, CJ Aitken & GC Nicholson

Expression of tenascin-w as a potential tenascin-c replacement in the skeleton of tenascin-c knockout mice
Brad Morrison, A Scherberich, R Chiquet-Ehrismann, CN Pagel & EJ Mackie

N-acetylcysteine inhibits human osteoclast differentiation via modulation of the thioredoxin system
Nicola Zimmerman, CJ Aitken, JM Hodge & GC Nicholson

Generation of a calcitonin receptor (CTR) LOXP mouse line for targeted deletion in osteoclasts

The effect of lactoferrin on RANKL and OPG mRNA levels in bone cells
Pak Cheung Tong, D Naot, U Bava, JM Lin, M Watson, KE Callon, IR Reid & J Cornish
1710 - 1740 IP13 Keynote Presentation – The immune system and bone remodelling
Matthew Gillespie

Clinical:
(Sugarloaf/Bimbadeen Rooms, Convention Centre, Cypress Lakes Resort)
Chaired by: Kathy Briffa & Geoff Nicholson

1600 - 1610 O44 Prediction of hip fracture in the elderly by fall-related factors
Nguyen Dinh Nguyen, C Pongchaiyakul, JR Center, JA Eisman & TV Nguyen

1610 - 1620 O45 Genetic and environmental contributions to hip strength: in female twins aged 18 and over
John Wark, L Paton, TJ Beck, L Semanick, S Kantor, R The & C Nowson

1620 - 1630 O46 The characteristics of bone fractures in Polish adolescents aged 16 - 20 years. Anthropometric, constitutional and environmental conditions
Jerzy Konstantynowicz, I Bialokoz-Kalinowska, R Motkowski, P Abramowicz, J Piotrowska-Jastrzebska, J Sienkiewicz & E Seeman

1630 - 1640 O47 Balance performance, muscle strength and gait function in women: effects of genes and environment
Natalie El Haber, K Hill, A-M Cassano, JS Cui, R MacInnis, JL Hopper & JD Wark

1640 - 1650 O48 Mechanosensitivity of the femoral neck in females is not increased during the adolescent growth spurt
Mark Forwood, DA Bailey, TJ Beck, RL Mirwald, ADG Baxter-Jones & K Uusi-Rasi

1650 - 1700 O49 Quantitative ultrasound of the calcaneus but not biochemical markers of bone turnover are associated with fractures in frail older people with vitamin D deficiency: the FREE study
Philip Sambrook, JS Chen, MJ Seibel, LM March, ID Cameron & RG Cumming

1700 - 1710 O50 Loss of femoral neck bone mass with rapid weight loss is more strongly related to baseline fat mass than change in body composition
Kerrie Sanders, GK Kiroff & GC Nicholson

1710 - 1740 IP14 Keynote Presentation - Structural and material basis of bone strength and its decay
Nick Fazzalari

1745 - 1845 Annual General Meeting
(Brokenback/Wattagan Rooms, Convention Centre, Cypress Lakes Resort)

1930 - 2300 Gala Dinner
Sponsored by: Osteoporosis Australia
Tamburlaine Winery
FRIDAY, 20 AUGUST 2004
(All sessions today will be plenary style and located in the Convention Centre at Cypress Lakes Resort)

0830 - 1310  Registration

0900 - 1030  SESSION 9 - SKELETAL MALIGNANCY AND METABOLIC BONE DISEASE
Sponsored by: Novartis
Chaired by: Chris Cowell & Michael Hooper

0900 - 0930  IP15  Treatment of advanced prostate cancer
Fred Saad

0930 - 1000 IP16  TNF family members and malignancy
Colin Dunstan

1000 - 1030 IP17  Bisphosphonate use in orthopaedic therapies
David Little

1030 - 1100  Morning tea

1100 - 1310  SESSION 10 - OSTEOPOROSIS THERAPIES
Sponsored by: Eli Lilly
Chaired by: Mark Kotowicz

1100 – 1130 IP18  Molecular mechanisms in anabolic therapy
Jack Martin

1130 – 1200 IP19  Wnt/LRP5 mutations and osteoporosis
Serge Ferrari

1200 – 1230 IP20  Treatment of osteoporosis in women – why, whom, when, what drug?
Ego Seeman

1230 – 1300 IP21  Monitoring osteoporosis treatment
Markus Seibel

1300 - 1310  Concluding remarks
Ego Seeman

1310 - 1350  Lunch

1400  Coaches depart for Sydney
BASIC

P1 ANALYSIS OF HYPERTROPHY AND PHYSIOLOGICAL CELL DEATH IN THREE-DIMENSIONAL CULTURES OF EQUINE FOETAL CHONDROCYTES
Yasser Ahmed, L Tatarczuch, K Alkhodair, CN Pagel & EJ Mackie

P2 COMPARISON OF OSTEOARTHRITIC AND NORMAL TRABECULAR BONE FROM THE INTERTROCHANTERIC REGION OF THE PROXIMAL FEMUR BY cDNA MICROARRAY ANALYSIS
Blair Hopwood, S Gronthos, JS Kuliwaba, DM Findlay & NL Fazzalari

P3 CYCLOOXYGENASE-2 (COX-2) INHIBITION PREVENTS OVARIECTOMY-INDUCED BONE LOSS IN ADULT RATS
Laura Gregory, WL Kelly & MR Forwood

P4 SYNTHESIS OF 1,25(OH)D₃ IN OSTEONECTOMY-INDUCED BONE LOS IN ADULT RATS
Paul Anderson, K Welldon, DM Findlay, HA Morris & GJ Atkins

P5 25-HYDROXYVITAMIN D₃-1α-HYDROXYLASE PROMOTER ACTIVITY IN THE RAT OSTEONECTOMY-LIKE CELL LINE ROS 17/2.8
Andrew Turner, PP Dwivedi, PH Anderson, BK May & HA Morris

P6 ENDOCYTOSIS OF LACTOFERRIN BY OSTEONECTOMY-LIKE CELL LINE ROS 17/2.8
Maureen Watson, KE Callon, A Zhu, JM Ross, IR Reid, D Naot, AB Grey & J Cornish

P7 OSTEONECTOMY-LIKE CELL LINE ROS 17/2.8
Maureen Watson, KE Callon, A Zhu, JM Ross, IR Reid, D Naot, AB Grey & J Cornish

P8 PARATHYROID HORMONE PEPTIDE (1-34) DERIVED FROM THE JAPANESE PUFFER FISH STIMULATES BONE FORMATION IN YOUNG MALE RATS
Julie McManus, JD Zajac, NA Sims, A Axell, WSM Chiu, AJ Notini, RA Davey, HE MacLean & JA Danks

P9 MODIFIED AND UN-MODIFIED GELATINE SPONGES AS A SCAFFOLD FOR OSTEONECTOMY-LIKE CELL LINE ROS 17/2.8
Ramin Rohanizadeh, MV Swain & RS Mason

P10 TRANSGENIC MICE OVER-EXPRESSING 11ß-HYDROXYSTEROID DEHYDROGENASE TYPE 2 (11ßHSD2) UNDER THE COL1a(I) PROMOTER PROVIDE A MODEL TO TEST DIRECT EFFECTS OF EXOGENOUS CORTICOSTEROIDS ON OSTEONECTOMY-LIKE CELL LINE ROS 17/2.8
KJ Brennan, H Zhou, J de Winter, Colin Dunstan & MJ Seibel

P11 MODEL-INDEPENDENT 3D DESCRIPTORS OF CANCELLOUS BONE QUALITY: AN IMPROVED EXPLANATORY MODEL FOR A SURROGATE OF TRABECULAR STRENGTH
I Parkinson, Nick Fazzalari & P Sutton-Smith

P12 STUDIES ON TRANSCRIPTION FACTORS EXPRESSED DURING ENDOCHONDRAL OSSIFICATION OF EQUINE ARTICULAR-EPHYSEAL GROWTH CARTILAGE
Khalid Alkhodair, Y Ahmed, CN Pagel & EJ Mackie

P13 IS INCREASED BONE TURNOVER CONTRIBUTING TO HUMAN FEMORAL FRACTURES?
H Tsangari, Julia Kuliwaba, DM Findlay & NL Fazzalari

P14 TRANSACTION RESPONSE OF VDRB1 IS PROMOTER- CELL- AND LIGAND-SPECIFIC
Colette Fong, LM Esteban, SJ Allison, JL Flanagan, D Amr, C Liddle, JA Eisman & EM Gardiner

P15 MUTATIONAL ANALYSIS CLARIFIES MECHANISM FOR DISTINCT TRANSACTION RESPONSE OF THE VITAMIN D RECEPTOR, VDRB1
Luis Esteban, SJ Allison, C Fong, JL Flanagan, JA Eisman & EM Gardiner
P16 PATTERN OF PHYSIOLOGICAL CELL DEATH IN EQUINE HYPERTROPHIC CHONDROCYTES
Liliana Tatarczuch, K Alkhodair, YA Ahmed & EJ Mackie

P17 DEVELOPMENT AND USE OF AN ANTIBODY TO FGF23
Michiko Mirams, BG Robinson, R Clifton-Bligh, RS Mason & AE Nelson

P18 LIMITED EXPOSURE OF OSTEOBLASTS TO HIGH DOSES OF ZOLEDRONIC ACID DOES NOT ADVERSELY AFFECT CELL SURVIVAL OR OSTEOGENIC DIFFERENTIATION
Aaron Schindeler, C Godfrey, M McDonald & DG Little

P19 WITHDRAWN

P20 THE EFFECTS OF EXOGENOUS GALANIN APPLICATION ON BONE FORMATION IN MOUSE CALVARIA
Aaron McDonald, JA Schuijers, AL Gundlach & BL Grills

P21 GALANIN AND GALANIN RECEPTOR EXPRESSION IN UMR106.01 CELLS
May Yao, JA Schuijers, P-J Shen, AL Gundlach & BL Grills

P22 NOVEL ACTIVATORS OF THE CALCIUM-SENSING RECEPTOR ACTIVATE RENAL CALCIUM AND WATER EXCRETION
Hiu Chuen Lok & AD Conigrave

P23 RECEPTOR ACTIVATOR OF NUCLEAR FACTOR KAPPA B (RANK) AND TUMOUR NECROSIS FACTOR ALPHA (TNFα) EXPRESSION IN TISSUES OBTAINED FROM SITES OF PERI-IMPLANT OSTEOLYSIS CHARACTERISED BY COMPUTED TOMOGRAPHY (CT)
Christopher Holding, KR Shrestha, K Dharmapatni, R Stamenkov, DW Howie, DM Findlay, MA McGee, GJ Atkins & DR Haynes

P24 INTERACTION OF GTP-BINDING RAB3D WITH TCTEX-1, A LIGHT CHAIN OF THE CYTOPLASMIC DYEIN MICROTUBULE MOTOR COMPLEX
Nathan Pavlos, J Xu, A Carrello, K Kroeger, K Ednet & MH Zheng

P25 OSTEOSCLEROSIS IN MICE LACKING RAB3D IS RELATED TO DISRUPTIONS IN POST-TGN VESICLE TRAFFICKING IN OSTEOCLASTS
Nathan Pavlos, J Xu, D Riedel, SL Teitelbaum, R Jahn, FP Ross & MH Zheng

P26 A HUMAN OSTEOCLAST FORMING CO-CULTURE
ACW Zannettino, Tina Vincent, P Kostakis, K Welldon, DM Findlay & GJ Atkins

P27 INTERACTION BETWEEN WNT SIGNALLING PATHWAY AND 1,25(OH)_{2}D_{3} IN OSTEOBLAST-LIKE MC3T3-E1 CELLS
Yanchuan Shi, JA Eisman & EM Gardiner

P28 EVIDENCE OF RECIPROCAL REGULATION BETWEEN THE HIGH EXTRACELLULAR CALCIUM AND RANKL SIGNAL TRANSDUCTION PATHWAYS IN RAW CELL DERIVED OSTEOCLASTS
Jiake Xu, C Wang, R Han, N Pavlos, T Phan, JH Steer, AJ Bakker, DA Joyce & MH Zheng

P29 THE CALCINEURIN-INHIBITOR TACROLIMUS (FK506) IS A POTENT SUPPRESSOR OF HUMAN OSTEOCLAST DIFFERENTIATION
Carolina Lopez, JM Hodge, MJ Constable, CJ Aitken & GC Nicholson

P30 GENE EXPRESSION PROFILE IN CALLUS TISSUE FROM PATIENTS WITH NEUROFIBROMATOSIS 1-ASSOCIATED PSEUDOARTHROPSIS OF THE TIBIA
Elisabeth Smith, EM Gardiner, N Elmonoufy, CE Johnston II & R Welch

P31 FOUR NOVEL MUTATIONS IN THE CALCIUM-SENSING RECEPTOR ASSOCIATED WITH FAMILIAL HYPOCALCIURIC HYPERCALCAEMIA
Inge Stewart, N Lewis, A McElduff, D Chipps, A Poynten, P Clifton-Bligh, A Conigrave, B Robinson & R Clifton-Bligh

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P32  CALCIUM ABSORPTION AND VITAMIN D METABOLITES IN HIP FRACTURE SUBJECTS
    Allan Need, M Metz, PD O'Loughlin, M Horowitz & BEC Nordin

P33  BONE MINERAL AND BONE SIZE: COMPARISONS OF PREPUBERTAL PACIFIC ISLAND AND
    EUROPEAN CHILDREN LIVING IN NEW ZEALAND
    Andrea Grant, FK Gordon, EL Ferguson, SM Williams, T-E Henry, VM Toafa, BE Guthrie & A Goulding

P34  SITE-SPECIFIC BONE CHANGES OF YOUNG MILK-AVOIDERS OVER TWO YEARS
    JEP Rockell, SM Williams, RW Taylor, AM Grant, IE Jones & Ailsa Goulding

P35  SKELETAL AGE DEVIATION: ASSOCIATION WITH BONE MASS AND FRACTURE RISK IN CHILDREN
    Graeme Jones & D Ma

P36  AUTOSOMAL DOMINANT PATTERN OF INHERITANCE IN AN AUSTRALIAN FAMILY WITH LOW BONE
    MINERAL DENSITY
    Christian Meier, M Kennerson, G Nicholson & MJ Seibel

P37  A COMPARISON OF HEALTHY, YOUNG ADULT MALE VERSUS FEMALE BROADBAND ULTRASOUND
    ATTENUATION OF THE CALCANEUS VIA QUANTITATIVE ULTRASOUND ANALYSIS
    BK Weeks & Belinda Beck

P38  PERSISTENCE WITH RISEDRONATE TREATMENT IN THE ACTNOW™ PATIENT SUPPORT PROGRAMME
    James Robertson & S McKechnie

P39  GENDER DIFFERENCES IN RELATIONSHIPS BETWEEN BODY COMPOSITION COMPONENTS, THEIR
    DISTRIBUTION AND BONE MINERAL DENSITY: AN OPPOSITE SEX TWIN STUDY
    Joanna Makovey, P Sambrook & V Naganathan

P40  IMPLEMENTATION OF AN EVIDENCE-BASED PHYSIOTHERAPY SERVICE FOR OSTEOPOROSIS
    Thorlene Egerton, SL Mitchell & G Creed

P41  DETAILED ANALYSIS OF RISK FACTORS FOR BONE LOSS IN AN AUSTRALIAN CROHN'S DISEASE
    (CD) POPULATION
    Naomi Lee, G Radford-Smith, J Wong, M Forwood & D Taaffe

P42  SIMILAR TRUNK LENGTH BUT SHORTER LEG LENGTH IN CHINESE THAN CAUCASIANS:
    IMPLICATION FOR RACIAL DIFFERENCES IN HIP FRACTURE RATES
    XF Wang, Yunbo Duan & E Seeman

P43  THE FRACTURE RISK INDEX AND BMD AS PREDICTORS OF VERTEBRAL STRUCTURAL FAILURE
    Yunbo Duan, F Duboeuf, F Munoz, PD Delmas & E Seeman

P44  INTRA-VERTEBRAL BONE MINERAL DENSITY ASSESSMENT USING DXA: A PILOT STUDY
    Andrew Briggs, JD Wark, S Kantor, N Fazzalari, AM Greig & KL Bennell

P45  INTRA-RATER AND INTER-RATER PRECISION OF MEASURING APPARENT BONE MINERAL DENSITY
    IN VERTEBRAL SUBREGIONS USING SUPINE LATERAL DUAL ENERGY X-RAY ABSORPTIOMETRY
    (DXA) IN VIVO
    Andrew Briggs, JD Wark, S Kantor, R Son Teh, AM Greig & KL Bennell

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P47  EDUCATING MOTHERS CAN ALTER CHILDREN'S OSTEOPOROSIS PREVENTIVE BEHAVIOURS
    Tania Winzenberg, B Oldenburg, S Frendin, L De Wit & G Jones
EVALUATION OF A PHARMACIST PERFORMING OSTEOPOROSIS SCREENING IN RURAL PHARMACIES USING QUANTITATIVE HEEL ULTRASOUND (QUS)
M Naunton, GM Peterson & Graeme Jones

ZOLEDRONIC ACID PRODUCES HIGHER AND MORE RAPID THERAPEUTIC RESPONSE RATES versus RISEDRONATE IN PATIENTS WITH PAGET’S DISEASE
Ian Reid, J Brown, D Hosking, W Fraser, K Lyles, P Hunt, NS Levitt, G Tsoukas, P Richardson, M Luchi, Y Saidi, G Su, K Zelenakas & P Miller

INCREASED BODY WEIGHT IN PRIMARY HYPERPARATHYROIDISM: IMPLICATIONS FOR DISEASE ASSOCIATIONS
Mark Bolland, AB Grey, GD Gamble & IR Reid

ANTI-EPILEPTIC DRUG USERS HAVE AN INCREASED RELATIVE PROPORTION OF ABDOMINAL FAT AS DETERMINED BY DUAL ENERGY X-RAY ABSORPTIOMETRY (DEXA): A USAGE-DISCORDANT FEMALE TWIN AND MATCHED SISTER STUDY
Sandra Petty, L Paton, S Kantor, TJ O’Brien & JD Wark

BONE DENSITY, FRACTURES AND THE DEFINITION OF OSTEOPOROSIS
Chris Nordin

LONGITUDINAL STUDY OF BONE-RELATED BIOCHEMICAL VARIABLES ACROSS THE MENOPAUSE
Chris Nordin, JM Wishart, PM Clifton, R McArthur, F Scopacasa, AG Need, HA Morris, PD O’Loughlin & M Horowitz

THE MINERAL MASS AND EXTERNAL DIMENSIONS OF THE FEMORAL NECK ARE DISSOCIATED BECAUSE OF THE DIFFERING BEHAVIOUR OF THE PERIOSTEAL AND ENDOCORTICAL ENVELOPES
Roger Zebaze, G Maalouf & E Seeman

A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, MULTI-CENTRE EVALUATION OF THE EFFICACY AND SAFETY OF ZOLEDRONATE (4MG THREE MONTHLY), ADMINISTERED INTRAVENOUSLY, TO PATIENTS WITH β-THALASSAEMIA-ASSOCIATED OSTEOPAenia: 12 MONTH INTERIM ANALYSIS
Christopher Gilfillan, BJ Strauss, C Rodda, D Bowden, A-M Kean, M Obaid & B Crawford

FRAGILITY FRACTURES IN FRANKSTON: THE FAILURE OF MANAGEMENT OF OSTEOPOROSIS IN OUTER METROPOLITAN MELBOURNE
K Quick, S Varadarajan, D Dutta, S Morris & Christopher Gilfillan

BALANCE, GAIT AND STRENGTH CHANGES IN 45-78 YEAR OLD HEALTHY WOMEN: A FOLLOW UP STUDY
Natalie El Haber, K Hill, A-M Cassano, LM Paton, R MacInnis, JL Hopper & JD Wark

THE EFFECT OF AN INPATIENT FRACTURE PROTOCOL ON PRESCRIPTION OF OSTEOPOROSIS THERAPY
Sandi Warr, T Greenaway, E Francis & G Jones

IN VIVO PRECISION OF DXA-DERIVED HIP STRUCTURAL ANALYSIS VARIABLES UNDER CLINICAL CONDITIONS: COMPARISON WITH CONVENTIONAL BMD USING IDENTICAL DXA SCANS
Ben Khoo, TJ Beck & RI Price

CONVERSION OF LUNAR SPINE BMD TO HOLOGIC UNITS AT NON STANDARD VERTEBRAL REGIONS OF INTEREST
Beverley White, M Hooper, M Henry, G Nicholson & N Pocock
LIMITED RESIDUAL BENEFITS OF CALCIUM SUPPLEMENTATION ON BONE MASS ACCRUAL IN PREPUBERTAL CHILDREN ONE YEAR AFTER THE CESSION OF TREATMENT
Sandra Iuliano-Burns, A Evans, X-F Wang, S Matthews & E Seeman

TRENDS IN PREVALENCE OF OSTEOPOROSIS IN SOUTH AUSTRALIA AND EFFECT ON QUALITY OF LIFE
T Gill, A Taylor, P Phillips, G Leach & Pauline Kelly

BONE STIFFNESS REDUCTION ASSOCIATED WITH REMODELING OF ADULT EQUINE P1 BONE MEASURED BY ULTRASOUND SPEED
Zafrir Bechor, S Toulson, B Kehoe, EJ Mackie & HMS Davies

SITE AND TIMING OF BONE RESPONSE TO TURNING EXERCISE IN THE DISTAL FORELIMB OF ADULT HORSES
Zafrir Bechor, J Merritt & HMS Davies

EVALUATION OF A CARE PATHWAY TO IMPROVE THE DIAGNOSIS AND TREATMENT OF OSTEOPOROSIS IN PATIENTS WITH LOW TRAUMA FRACTURE
J Whitham, C Gibb, Pauline Kelly & J Pink

DECREASED FEMORAL NECK BONE DENSITY WITH INCREASED NECK SECTION MODULUS, A DECADE FOLLOWING ATTAINMENT OF PEAK BONE DENSITY; A PROSPECTIVE HIP STRUCTURAL ANALYSIS STUDY
Roger Price, NK Briffa, TJ Beck, AL Mein, BCC Khoo, RL Prince & SS Dhaliwal

A LONGITUDINAL STUDY OF EXERCISE EFFECTS ON BONE MASS AND STRUCTURE IN PRE- AND EARLY-PUBERTAL FEMALE NOVICE DANCERS AND CONTROLS
Bernadette Matthews, KL Bennell, HA McKay, KM Khan & JD Wark

“DANCING FOR BONE HEALTH”: A 3-YEAR LONGITUDINAL STUDY OF EXERCISE EFFECTS ON BONE MINERAL ACCRUAL ACROSS PUBERTY IN FEMALES
Bernadette Matthews, KL Bennell, HA McKay, KM Khan, ADG Baxter-Jones, RL Mirwald & JD Wark

COMPARISON OF LOWER LIMB STRENGTH, BALANCE, GAIT STABILITY VALUES BETWEEN ASIAN AUSTRALIAN AND CAUCASIAN AUSTRALIAN WOMEN
TN Hutabarat, N El Haber, EL Bond, K Hill, Lynda Paton & JD Wark

PRECISION AND ACCURACY OF AUTOMATED VERSUS MANUAL HIP STRENGTH ANALYSIS IN YOUNG ADULTS
Cynthia Ong, HG Ahlborg, TV Nguyen & NA Pocock

CONCORDANCE OF AUTOMATED AND MANUAL HIP GEOMETRY ESTIMATION IN OLDER ADULTS
Cynthia Ong, TV Nguyen & NA Pocock

COMPARABILITY OF NORMATIVE PAEDIATRIC BONE DENSITY DATA
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INTER MANUFACTURER CONVERSION OF L2-L4 BONE DENSITY IN THE PAEDIATRIC POPULATION
Madeleine Thompson, J Briody, R Howman-Giles & N Pocock

SAFETY AND EFFICACY OF IMI CHOLECALCIFEROL FOR VITAMIN D DEFICIENCY
Terry Diamond, P Rohl & M Meerkin

OSTEOPOROSIS AND SPINAL FRACTURES IN MEN WITH PROSTATE CANCER: RISK FACTORS AND THE EFFECTS OF ANDROGEN DEPRIVATION THERAPY
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P77  QUANTIFICATION OF METAPHYSEAL REMODELLING IN CHILDREN TREATED WITH BISPHOSPHONATES
David Little, K Ward & CT Cowell

P78  BONE TURNOVER MARKERS IN ELDERLY MEN AND THEIR RELATIONSHIPS TO PROSPECTIVE CHANGE IN BONE MINERAL DENSITY
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P79  EFFECTS OF BISPHOSPHONATES ON HIP FRACTURE RISK REDUCTION: A BAYESIAN ANALYSIS OF CLINICAL TRIALS
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P80  IMPACT OF WITHIN-SUBJECT VARIABILITY ON THE ASSESSMENT OF CHANGE IN BONE TURNOVER MARKERS
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P81  LONG-TERM BONE LOSS IN MEN AND WOMEN: EFFECTS OF QUADRICEPS STRENGTH AND BODY WEIGHT
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P82  SMOKING AS A MAJOR OSTEOPOROSIS RISK FACTOR AMONG IRANIAN AUSTRALIAN WOMEN
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P83  A CAUSAL MODEL ANALYSIS AND OSTEOPOROSIS PREVENTION
Azam Baheiraei, JE Ritchie, JA Eisman & TV Nguyen

P84  THE CLINICAL EFFICACY OF THREE-DIMENSIONAL RECONSTRUCTIONS OF TWO-DIMENSIONAL MR IMAGES: EVALUATION IN A SIMULATED TIBIAL PLATEAU DEPRESSION FRACTURE MODEL
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P86  BONE MASS AND ESTROGEN RECEPTOR STATUS IN WOMEN WITH BREAST CANCER
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P87  BARRIERS TO EFFECTIVE MANAGEMENT OF OSTEOPOROSIS IN MODERATE AND MINIMAL TRAUMA FRACTURES: A PROSPECTIVE STUDY
Dana Bliuc, CR Ong, JA Eisman & JR Center

P88  BMD-INDEPENDENT CONTRIBUTION OF HIP STRENGTH INDICES TO HIP FRACTURE RISK IN ELDERLY MEN AND WOMEN
Henrik Ahlborg, ND Nguyen, TV Nguyen, JR Center & JA Eisman

P89  DESIGN AND PERFORMANCE TESTING OF A NEW BONE-EQUIVALENT CORTICAL SHELL PHANTOM: COMPARATIVE MEASUREMENTS OF ITS STRUCTURAL GEOMETRY DERIVED FROM DXA AND pQCT
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P90  DEPRESSION AND BONE MINERAL DENSITY IN A COMMUNITY SAMPLE: GEELONG OSTEOPOROSIS STUDY
Felice Jacka, JA Pasco, MJ Henry, MA Kotowicz, GC Nicholson & M Berk

P91  CLINICAL EXPERIENCE WITH ZOLEDRONIC ACID IN OSTEOPOROSIS
D Hughes, B White, B Crawford & Michael Hooper
β-BLOCKERS REDUCE BONE RESORPTION MARKER IN PERIMENOPAUSAL WOMEN: GEELONG OSTEOPOROSIS STUDY
Julie Pasco, MJ Henry, HG Schneider, GC Nicholson & MA Kotowicz

FRACTION RISK ASSOCIATED WITH BONE MINERAL DENSITY: A PROSPECTIVE STUDY
Julie Pasco, MJ Henry, EN Merriman, GC Nicholson, E Seeman & MA Kotowicz

TOLERABILITY AND RENAL SAFETY OF INTRAVENOUS ZOLEDRONIC ACID IN BENIGN METABOLIC BONE DISEASE
D Hughes, K Sommer, J Hetherington, Bronwyn Crawford & M Hooper

LIFETIME PARTICIPATION IN IMPACT SPORTS IS AN IMPORTANT DETERMINANT OF BONE SIZE AND STRENGTH, BUT NOT BMD, IN OLDER MEN
Sonja Kukuljan, RM Daly, SL Bass & C Nowson

A NEW DOSING CONCEPT FOR BISPHOSPHONATE THERAPY: RATIONALE AND DESIGN OF THE MONTHLY ORAL IBANDRONATE IN LADIES (MOBILE) STUDY
Peter Ebeling, RK Will, J Graham, AG Need, RR Recker, JY Reginster & B Bonvoisin

MUSCLE-BONE RELATIONSHIP IN ABLE-BODIED AND IMMOBILISED INDIVIDUALS
Prisca Eser, S Bass, R Daly & H Schiessl

ANDROGEN RECEPTOR CAG REPEAT POLYMORPHISM AND BONE DENSITY: A FAMILY AND CASE-CONTROL ASSOCIATION STUDY IN MEN WITH PRIMARY OSTEOPOROSIS
Z Hussein, JA Ellis, A Lamantia, K Greenland, S Yeung, ZYH Wong, SB Harrap, JD Zajac & Peter Ebeling

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