



Co-Sponsors



Program
July 13, 2010

**Clinical Training in Chiropractic Education:
Meeting the Demands of a New Era**
Royal University Center Maria Cristina, San Lorenzo, Madrid, Spain

Hosts:
Royal University Centre Maria Cristina and Asociación Española de Quiropráctica

October 14-16, 2010

Program Directors:

Joe Ferguson, DC, MSc, Dean, Life Chiropractic College West, Hayward, California, USA

Ricardo Fujikawa, DC, MD, Head of Chiropractic Studies, RUC Maria Cristina, Escorial, Madrid, Spain

Martin Wangler, DC, MME, Director of Academic Affairs, European Academy of Chiropractic, Switzerland

Michael Wiles, DC, BS, MEd, FCCS(C) Provost and Vice President for Academic Affairs, Northwestern Health Sciences University, Bloomington, Minnesota, USA

Day 1 – Thursday October 14, 2010

SESSION ONE – UNDERGRADUATE* CLINICAL TRAINING: CLINICAL COMPETENCIES – PRIORITIES AND SCOPE

* Undergraduate has different meanings in different countries. As used here it refers to clinical training in chiropractic colleges.

Purpose: To discuss the range of core clinical competencies that should and can be taught in chiropractic colleges – how many can be taught and mastered and what are the priorities (e.g. manual techniques other than adjustment, exercises/rehabilitation, nutrition, sport injuries, interprofessional skills, translating research into practice etc.)?

Moderator: **Barry Lewis, DC**, Deputy Director of Clinic, Anglo-European College of Chiropractic, UK

8:30 – 10:30 AM

Welcomes

Introduction: Review of Clinical Competencies Required by CCEs
Joe Brimhall, DC, Vice-President, CCE International and President,
 Western States Chiropractic College, USA - 15 minutes

Presentations, Panel and Audience Discussion: Core Clinical Training and Competencies for all Chiropractic Students Today

1. **Ricardo Fujikawa, DC, MD**, Head of Chiropractic Studies, RUC Maria Cristina, Spain - 5 minutes
2. **Brian Nook, DC**, Dean, School of Chiropractic & Sports Science, Murdoch University, Australia - 5 minutes
3. **David Byfield, DC, MPhil**, Head of Welsh Institute of Chiropractic/Principal, University of Glamorgan, UK - 5 minutes
4. **Michael Wiles, DC, MEd**, Provost and VP for Academic Affairs, Northwestern Health Sciences University, USA - 5 minutes

Panel and Audience Discussion - 45 minutes

NUTRITION BREAK - 30 MINUTES

SESSION TWO—UNDERGRADUATE CLINICAL TRAINING: METHODS

Purpose: Review the role of various methods of clinical training - e.g. mentors; clinical rounds, computer-based, standardized patients, and responding to current student learning styles.

Moderator: **Joe Ferguson, DC, MSc**, Dean, Life Chiropractic College West, USA

11:00 AM - 12:30 PM **Introduction and Overview**

Tony Tibbles, DC, Director, Clinical Education and Patient Care, Associate Professor, Canadian Memorial Chiropractic College, Canada - 15 minutes

Presentations from Abstracts

Three 10 minute presentations selected from abstracts submitted - For all authors and complete titles see Appendix A.

1. **Robyn Beirman** (Macquarie) - *The Use of Paper Cases*
2. **Glori Hinck** (Northwestern) - *The Use of a Virtual World*
3. **David Byfield** (Glamorgan) - *A Hospital-Based Observational Program*

Audience Discussion - 30 minutes

LUNCHEON 12:30 - 2:00 PM

SESSION THREE – UNDERGRADUATE CLINICAL TRAINING: SETTINGS

Purpose: Review the role of various settings for clinical training - e.g. college clinics, community clinics, hospitals.

Moderator: **Fabrizio Mancini, DC**, President, Parker College of Chiropractic, USA

2:00 PM - 3:30 PM **Introduction and Overview**

Paul Dougherty, DC, Associate Professor, New York Chiropractic College, USA – *15 minutes*

Presentations from Abstracts

Three 10 minute presentations selected from abstracts submitted - For all authors and complete titles see Appendix A.

1. **David Byfield** (Glamorgan) – *Clinical Simulation*
2. **Vincenzo Cascioli** (Murdoch) – *Community Outreach Program*
3. **Susan King** (Glamorgan) – *Exemplary Practice Clinical Tutorials*

Audience Discussion – 30 minutes

NUTRITION BREAK – 30 MINUTES

SESSION FOUR – UNDERGRADUATE CLINICAL TRAINING: INSTILLING HABITS OF LIFELONG LEARNING

Purpose: Reviewing competencies in performing research, reading the literature, understanding best practices including reporting on patient safety, and adopting habits of lifelong learning as this has an impact on clinical competencies and practice.

Moderator: **William Meeker, DC, MPH**, President, Palmer College of Chiropractic, West Campus, USA

4:00 PM – 5:30 PM

Introduction and Overview

Jennifer Bolton, PhD, Director of Research & Graduate Studies, Anglo-European College of Chiropractic, UK – *15 minutes*

Presentations from Abstracts

Four 10 minute presentations selected from abstracts submitted - For all authors and complete titles see Appendix A.

1. **Michele Maiers** (Northwestern) – *Information Mastery*
2. **Kathryn Hoiriis** (Life) – *A Summary of Pedagogical Practices*
3. **Peter W. McCarthy** (Glamorgan) – *Putting the Clinical into Clinical Pharmacology Education*
4. **Janet Tapper** (Western States) – *Web 2.0: Tools for Life-Long Learning*

Audience Discussion – 30 minutes

Day 2 – Friday October 15, 2010

SESSION FIVE – INTERPROFESSIONAL EDUCATION, COLLABORATION AND PRACTICE.

Purpose: To review, discuss and learn from current experience around the world.

Moderator: **Martin Normand, DC, PhD**, Director, Department of Chiropractic, University of Quebec at Trois Rivières, Canada

8:30 – 10:30 AM

Keynote Presentation: The Importance, Benefits and Challenges of Interdisciplinary Clinical Training in a University Environment: A Case Example from Denmark.

Henrik Hein Lauridsen, DC, PhD, Director of Studies, Institute of Sports and Clinical Biomechanics, University of Southern Denmark – 20 minutes

Keynote Presentation: New Government and University Requirements for Interprofessional Education in Canada and the Significance of this for the Chiropractic Profession and Patients.
Deborah Kopansky-Giles, DC, FCCS, Associate Professor, Canadian Memorial Chiropractic College, Canada – 20 minutes

Presentations from Abstracts

Five 10 minute presentations selected from abstracts submitted - For all authors and complete titles see Appendix A.

1. **Cynthia Peterson** (Swiss Academy) – *The 4 Month Orthopedics and Rheumatology Under-Assistantship*
2. **Deborah Kopansky-Giles** (CMCC) – *The Health Professional Collaborative Competency Scale*
3. **Judith Peranson/Deborah Kopansky-Giles** (St. Michael's Hospital) – *Teaching an Interprofessional Approach to the Management of Musculoskeletal Problems in Primary Care – A Pilot Study – Parts 1 and 2. Presented by: Deborah Kopansky-Giles*
4. **Kim B. Humphreys** (University of Zurich) – *Interprofessional Education: Chiropractic Medicine at the University of Zurich*
5. **Mary Berg** (Northwestern) – *Collaboration in Practice at Pillsbury House. Presented by: Michele Renee*

Audience Discussion – 30 minutes

NUTRITION BREAK – 30 MINUTES

SESSION SIX – UNDERGRADUATE CLINICAL TRAINING: ASSESSMENT OF CLINICAL COMPETENCIES

Purpose: To review and learn about different and best methods of assessment.

Moderator: Martin Kollasch, DC, Director of International Operations, International Board of Chiropractic Examiners, USA

11:00 – 12:30 PM

Introduction and Overview

John Mrozek, DC, MEd, FCCS (C) Dean, Texas Chiropractic College, USA – 15 minutes

Presentations from Abstracts

Four 10 minute presentations selected from abstracts submitted - For all authors and complete titles see Appendix A.

1. **Rocky F. Comberati** (Macquarie) – *Portfolio Assessment and Reciprocal Teaching*
2. **Ana Paula Facchinato** (Anhembi Morumbi) – *The Objective Structured Clinical Examination applied to Chiropractic Students before Internship and after Six Months of Practice*
3. **John Hyland** (NBCE) – *Summative Assessment of Clinical Competencies: Methods and Rationale of NBCE/IBCE*

4. **Paul Osterbauer** (Northwestern) – *Competence: Evaluating a Complex Case using Standardized Geriatric Patients*

Audience Discussion – 30 minutes

LUNCHEON 12:30 – 2:00 PM

SESSION SEVEN – THE POSTGRADUATE CLINICAL YEAR – PART ONE

Purpose: To understand the reasons for the extra clinical year as developed in Europe and elsewhere, the structure and the difficulties and benefits experienced.

Moderator: **Carl Cleveland III, DC**, President, Cleveland Chiropractic College, USA

2:00 – 3:30 PM

Keynote Presentation: EAC Model Curriculum for a Graduate Education Program among 19 ECU Member Nations.

Martin Wangler, DC, MME, FEAC, Director of Academic Affairs, European Academy of Chiropractic, Switzerland – *20 minutes*

Keynote Presentation: The Postgraduate Clinical Year in South Africa

Charmaine Korporaal, DC, MTech (Chiro), CCFC, CCSP, ICSSD
Head of Department, Department of Chiropractic and Somatology,
Durban University of Technology, South Africa – *15 minutes*

Presentations from Abstracts

Three 10 minute presentations selected from abstracts submitted - For all authors and complete titles see Appendix A.

1. **Cynthia Peterson** (Swiss Academy) – *The Two Year Post-Graduate Assistantship Program in Switzerland*
2. **Donald Murphy** (New York Chiropractic College) – *A Postgraduate Clinical Year: The Importance of Residency Training for Chiropractors*
3. **Julie O’Shaughnessy** (Trois-Rivières) – *Implementation of a “Clinician-based” Curriculum*
4. **Thomas Bergmann** (Northwestern) – *Faculty Practice Plans Revisited: The Mentorship Mode.*

Audience Discussion – 15 minutes and in next session

NUTRITION BREAK – 30 MINUTES

SESSION EIGHT– THE POSTGRADUATE CLINICAL YEAR – PART TWO

Purpose: To engage in further discussion of what was learned in previous session.

Moderator: **Kim Humphreys, DC, PhD**, Head of Chiropractic Studies, University of Zurich, Switzerland

4:00 – 5:30 PM

Keynote Presentation: Is a Postgraduate Clinical Year Valuable and/or Feasible in North America?

Gerard Clum, DC, President, Life Chiropractic College West,
Hayward, California, USA – *15 minutes*

Panel Discussion

Four panelists from Australasia, Canada, Mexico, USA – 5 minutes each. TBA.

Audience Discussion – 40 minutes

Special Invited Paper: Who Reviews the Reviewers?

Timothy Raven, DC, European Council of Chiropractic Education – 10 minutes

Day 3 – Saturday October 16, 2010

SESSION NINE – CLINICAL EDUCATION: FACULTY DEVELOPMENT – CHALLENGES AND SOLUTIONS CONCERNING TEACHER TRAINING

Purpose: To review and understand faculty requirements for clinical training.

Moderator: **Brian Kelly, DC**, President, New Zealand College of Chiropractic

8:30 – 10:30 AM

Keynote Presentation: Perspective from a Large Established Program.

Michael Wiles, DC, BS, MEd, FCCS(C) Provost and Vice President for Academic Affairs, Northwestern Health Sciences University, USA – 15 minutes

Keynote Presentation: Perspective from a Small Established Program – Language other than English

Juan Sanchez, DC, BBA, BS, CCSP, Former Program Director, State University of Ecatepec Valley (UNEVE), Mexico and Director of External Programs, Parker College of Chiropractic, USA – 15 minutes

Keynote Presentation: Perspective from a Small Established Program – English speaking

Chris Yelverton MSc Chiro, Head, Department of Chiropractic, Faculty of Health Sciences, University of Johannesburg – 15 minutes

Presentations from Abstracts

Four 10 minute presentations selected from abstracts submitted - For all authors and complete titles see Appendix A.

1. **Louise Delagran** (Northwestern) – *An Online Faculty Development Program*. **Presented by: Michele Maiers**
2. **Cynthia Long** (Palmer) – *Evidence-Based Clinical Developing Faculty, Developing the Profession*
3. **David Peterson and Ron LeFebvre**(Western States) – *Preparing Clinical Faculty to Teach and Model Evidence-Based Practice*
Presented by: David Peterson
4. **Monique Baucham** (Parker) – *Clinic Faculty Development*.
Presented by: Kenneth Thomas.

Audience Discussion – 30 minutes

NUTRITION BREAK - 30 MINUTES

SESSION TEN – CONTINUING PROFESSIONAL DEVELOPMENT – PRIORITIES, METHODS AND ROLE IN MAINTAINING CLINICAL COMPETENCIES.

Purpose: To review CPB/CE requirements in different countries/regions, methods including use of new technology, and the role of CPD/CE in maintaining clinical competencies.

Moderator: Phillip Ebrall, BAppSc (Chiro), PhD, Head, Division of Chiropractic, RMIT University, Australia

11:00 AM- 12:30 PM **Introduction and Overview**

Jennifer Bolton, PhD, Director of Research & Graduate Studies, Anglo-European College of Chiropractic, UK – 15 minutes

Keynote Presentation: Patient Safety - A European Model for Reporting and Learning from adverse events.

Haymo Thiel, DC, PhD, Vice-Principal and Associate Professor, Anglo-European College of Chiropractic, UK –15 minutes

Presentations from Abstracts

Three 10 minute presentations selected from abstracts submitted - For all authors and complete titles Appendix A.

1. **Martin Wangler** (European Academy) – *Workshop Best and Safe Care: Systemic Analysis of Potential Critical Incidents*
2. **Dennis Richards** (Palmer) – *Aligning Lifelong Learning and CPA with the Techniques Practiced by Chiropractors*
3. **Tammy de Koekkoek** – *CPD Requirements for Chiropractors in European Countries. Presented by Tammy de Koekkoek or Lise Lothe.*

Audience Discussion – 30 minutes

LUNCHEON 12:30 - 2:00 PM

SESSION ELEVEN – SPECIALTY TRAINING: PRELIMINARY REVIEW OF ITS CURRENT STATUS IN CHIROPRACTIC

Purpose: To review the current status and limitations of chiropractic postgraduate specialty training and to begin to reach agreement on solutions.

Moderator: Robert Scott, DC, PhD, Vice-President, Academic Affairs – Logan College of Chiropractic, USA

2:00 – 3:30 PM

Keynote Presentation: Proposals for Specialty Training in Europe.
Lise Lothe, DC, PhD, Chair, EAC Working Group on Specialty Training, Norway – 15 minutes

Panel Discussion: Should a Masters Degree be a Minimum Requirement for a Recognized Chiropractic Specialist Qualification?

Presentations, Panel and Audience Discussion: (e.g. neurology, pediatrics, radiology, sports chiropractic) – *10 minutes each.*

Renee Devries, DC, DACBR, Associate Professor and Director, Radiology Consultation Services, Northwestern Health Sciences University, USA

Sharyn Eaton, DC, PhD, Head, Department of Health & Chiropractic, Macquarie University, Australia

Ricardo Fujikawa, DC, MD, Head of Chiropractic Studies, RUC Maria Cristina, Spain

Joyce Miller, DC, BSc, FACO, FCC, Senior Clinic Tutor, Infant and Child Practice, Anglo-European College of Chiropractic, UK
10 minutes each

Audience Discussion – 30 minutes

NUTRITION BREAK – 30 MINUTES

SESSION TWELVE – DEVELOPMENT OF CONSENSUS STATEMENTS AND WHERE TO NEXT?

Purpose: Led by draft statements that will have been prepared by a panel during the course of the conference, to seek agreement on consensus statements arising from the meeting.

Moderators: **Jean Moss, DC, MBA,** President, Canadian Memorial Chiropractic College, Canada and **Gerard Clum, DC,** President, Life Chiropractic College West, USA

Appendix A

Session Two – Undergraduate Clinical Training: Methods

The Use of Paper Cases in Teaching Clinical Competency: Why, What and Wherefore
Robyn Beirman, Macquarie University, Australia

The Use of a Virtual World for Chiropractic Education: Feasible or Foolish?
Glori Hinck, Northwestern Health Sciences University, USA

Chiropractic Clinical Training – A Hospital-Based Observational Program
David Byfield, University of Glamorgan, UK

Session Three – Undergraduate Clinical Training: Settings

Clinical Simulation – A Viable Addition to Chiropractic Undergraduate Clinical Education
David Byfield, University of Glamorgan, UK

Clinical Outreach Program
Vincenzo Cascioli, Brian Nook, Murdoch University, Australia

Exemplary Practice Clinical Tutorials – A Professionally Lead Clinical Learning Experience for Chiropractic Student Clinicians
Susan King, University of Glamorgan, UK

Session Four – Undergraduate Clinical Training: Instilling Habits of Lifelong Learning

Information Mastery: An Essential Tool for Life-Long Learning
Michele Maiers, Roni Evans, Northwestern Health Sciences University, USA

A Summary of Pedagogical Practices that Encourage Lifelong Learning
Kathryn Hoiriis, Brian McAulay, Life University College of Chiropractic, USA

Putting the Clinical into Clinical Pharmacology Education
Peter McCarthy, University of Glamorgan, UK

Web 2.0: Tools for Lifelong Learning
Janet Tapper, University of Western States, USA

Session Five – Interprofessional Education, Collaboration and Practice

The 4 Month Orthopaedics and Rheumatology Under-Assistantship Requirement: Part of the Inter-Professional Post-Graduate Education in Switzerland
Cynthia Peterson, Swiss Academy for Chiropractic, Switzerland

Development and Evaluation of the Health Professional Collaborative Competency Scale
Deborah Kopansky-Giles, Canadian Memorial Chiropractic College, Canada

Teaching an Interprofessional Approach to the Management of Musculoskeletal Problems in Primary Care – A Pilot Study

Judith Peranson, St. Michael's Hospital and Deborah Kopansky-Giles, CMCC, Canada

Interprofessional Education: Chiropractic Medicine at the University of Zurich

Kim Humphreys, University of Zürich, Switzerland

Collaboration in Practice at Pillsbury House: An Integration Effort between Northwestern Health Science University and Several Other Schools of Higher Education

Mary Berg, Northwestern Health Sciences University, USA

Session Six – Undergraduate Clinical Training: Assessment of Clinical Competencies

Portfolio Assessment and Reciprocal Teaching of Clinical Training in the Skills Classroom

Rocky Comberati, Macquarie University, Australia

The Objective Structures Clinical Examination applied to Chiropractic Students before the Internship and after Six Months of Professional Practice

Ana Facchinato, Camila Benedicto, Ana Quilici, Leandro Giavarotti, University Anhembi Morumbi, Brazil

Summative Assessment of Clinical Competencies: Methods and Rationales of NBCE/IBCE

John Hyland, National Board of Chiropractic Examiners (NBCE), USA

Competence of Chiropractic Students Evaluating a Complex Case using Standardized Geriatric Patients

Paul Osterbauer, Katie Burns Ryan, Northwestern Health Sciences University, USA

Session Seven – The Postgraduate Clinical Year – Part One

The Two Year Post-Graduate Assistantship Program in Switzerland

Cynthia Peterson, Swiss Academy for Chiropractic, Switzerland

A Postgraduate Clinical Year: The Importance of Residency Training for Chiropractors

Donald R. Murphy, New York Chiropractic College, USA

Clinical Training in Chiropractic: Implementation of a “Clinical-based” Curriculum

Julie O'Shaughnessy, Kindah Haddad, Jessy Thériault, Martin Descarreaux, Université du Québec à Trois-Rivières, Canada

Faculty Practice Plans in Chiropractic Education Revisited: The Mentorship Model

Thomas F. Bergmann, Northwestern Health Sciences University, USA

Session Nine – Clinical Education: Faculty Development – Challenges and Solutions Concerning Teacher Training

Lessons Learned from an Online Faculty Development Program

Louise Delagran, Michele Maiers, Roni Evans, Northwestern Health Sciences University, USA

Evidence-Based Clinical Practice: Developing Faculty, Developing the Profession

Cynthia Long, Palmer Centre for Chiropractic Research, USA

Preparing Clinical Faculty to Teach and to Model Evidence-Based Practice: The UWS College of Chiropractic Experience

David Peterson, Ron LeFebvre, University of Western States College of Chiropractic, USA

Clinic Faculty Development

Monique Baucham, Gregory Page, Mike Raper, Douglas Sanford, Lisa Speaks, Lawrence Stolar, Kenneth Thomas Parker College of Chiropractic, USA

Session Ten - Continuing Professional Development – Priorities, Methods and Role in Maintaining Clinical Competencies

Workshop Best and Safe Care: Systemic Analysis of Potential Critical Incidents in Daily Chiropractic Practice (Pilot Study)

Martin Wangler, European Academy of Chiropractic, Switzerland

Relating to the World of Practice: Aligning the Roles of Lifelong Learning and Continuing Professional Development with the Techniques Practised by Chiropractors

Dennis Richards, Chiropractic Association of Australia, Australia

Continuing Professional Development Requirements for Chiropractors in European Countries

Tammy de Koekkoek, Private Practice, The Netherlands

Special Invited Paper:

Who Reviews the Reviewers?

Timothy Raven, European Council on Chiropractic Education (ECCE), UK