

**MINUTES OF THE 16TH ANNUAL MEETING OF THE INTERNATIONAL RDC/TMD CONSORTIUM
HELD IN ASSOCIATION WITH THE 84TH GENERAL SESSION OF THE IADR
WEDNESDAY 28TH JUNE, 2006 AT 11.00AM – 1.00PM
THE BRISBANE CONVENTION AND EXHIBITION CENTRE**

Present: Switzerland – Sandro Palla; The Netherlands – Frank Lobbezoo; Hong Kong – Anne McMillan; Italy – Mauro Farella; USA – Mark Drangsholt, Alan Glaros; Australia – Mina Borremao, Chris Peck, Iven Klineberg

PROGRAM – An International Audit

1. Welcome

Iven Klineberg (Program Chair) welcomed members and guests with a particular welcome to those who had traveled from overseas.

Papers for the meeting included, the program – An International Audit; the Director's report prepared by Richard Ohrbach; the report of the Committee Chair from Richard Ohrbach on translations and protocols; and the Research Committee report from the Research Committee and Chair, Thomas List. In addition a summary of the RDC/TMD collaboration in Denmark and Sweden, was prepared by Peter Svensson.

2. Previous Minutes

The minutes of the previous meeting of 9th March 2005 held in Baltimore, USA were accepted.

3. New Business

The proposal for the RDC/TMD Consortium to be recognised as a Network within the IADR, as per the minutes of the last meeting, was discussed and recognised desirable to bring together a broader discipline mix in the deliberations of the Consortium. This proposal had been accepted by the IADR and the Executive Director had advised Richard Ohrbach that the request had been supported.

The Executive Committee Reports were briefly discussed by Marc Drangsholt (Executive Committee) who presented the Director's report, and the Committee Chair's report on translations and protocols. These are attached. It was further reported that the Examiner Training and Reliability Committee needed to be expanded and the Director would be advised.

Mark had resigned as Chair of the Communications Committee and was thanked for his contributions. A new Chair was required. This matter was not progressed because of the small number of members present. It was recognised that encouraging new members should be seen to be the responsibility of each member of the Consortium. The Director's Report was accepted.

Mark spoke of the Committee Chair's report on translations and protocols. It was acknowledged that the full list of translations should be available on the website and through the Committee Chair. The report was accepted.

The report of the Research Committee was noted and accepted. It was acknowledged that at the 2007 IADR meeting in New Orleans, a symposium is to be arranged together with a dinner, and consideration of a satellite meeting was raised (discussed later in the program).

The Data Collection and Management Committee report was presented by Mauro Farella as a proposal for a new web-based interface as a database for the RDC/TMD protocol and to carry out multicentre RCTs. This exciting development from the University of Naples is under the direction of

Ambra Michelotti. It was initially used as a multi-centre database for RCTs on specific topics in orthodontics. The intention was to add an additional domain to include groups involved in applying the RDC/TMD protocol. Members unanimously applauded this proposal and supported the continued development of this database and its availability to Consortium. It was suggested that the database may be accessible in October this year and that the University of Naples Group would keep the Director informed of developments.

4. **Research Focus**

- Frank Lobbezoo reported on an on-going multi-centre study on the classification of TMD pain. This developed from the PhD research of Corrinne Vischer (2000). The application of dynamic and static tests provided a better discrimination of RDC/TMD patients. The first study utilized an extensive protocol to challenge the RDC protocol and several centers were contributing to this investigation; each centre was required to examine 30 TMD patients and a control group (pain free patients); inclusion and exclusion criteria were defined and the outcomes would represent a valuable contribution to the RDC data.
- Iven Klineberg presented a preliminary assessment of ethnicity in TMD patients assessed in the University of Sydney's Westmead Centre for Oral Health in Western Sydney. It was proposed that the RDC/TMD protocol would benefit from including the complete SCL-90-R psychometric inventory to more appropriately categorize patients presenting for treatment. The ethnic mix of patients in Western Sydney was extensive with varying cultural specifics, which bore on presenting signs and symptoms and affected treatment outcomes.

5. **International Audit**

Audit reports on clinical applications of the RDC/TMD protocols were presented by Anne McMillan (Hong Kong); Sandro Palla (Switzerland), Marc Drangsholt (reported on Denmark and Sweden), and Chris Peck (Australia).

- Anne advised that translations of protocols were a difficulty with interpretation by non-English speaking patients, and this was particularly relevant with the many dialects of Chinese. Studies are in progress with calibrated examiners and a report would be prepared for a future IADR meeting.
- Sandro commented that in the Zurich dental school, the RDC/TMD was used only for research purposes, and that an inter-disciplinary clinic managed orofacial pain, which included a variety of pain types (including headache and neuropathic pain) and clinic staff included medical specialists. It was suggested that broader data collection was needed to define other conditions and acknowledged the increase in the number of chronic pain patients.
- Mark reported in lieu of Peter Svensson, on research in progress and Denmark and Sweden utilising the RDC/TMD protocol. Projects in progress included neuropathic pain and adolescent pain, the latter in collaboration with the University of Washington, Seattle.
- Chris reported on the RDC/TMD application in Western Sydney at Westmead Hospital with a multiple approach to data collection. The report would be expanded and presented at a future IADR meeting.

6. Announcements

- Anne McMillan as Program Chair spoke on the Neuropathic Pain Symposium which was to be held on Friday of the IADR week.
- A Symposium Chair for the Consortium meeting at the IADR in New Orleans was made, however this was not progressed because of the small number present.
- The IADR 2008 was considered appropriate for a 2-day satellite meeting to focus on revision of the RDC/TMD protocol. This was encouraged by the presentations at this meeting and was seen as an important next step in the further development of the RDC/TMD.

7. Conclusion

Concluding remarks by Program Chair were made to thank presenters and members for their energetic contributions and discussion.

APPENDICES: Summary Reports for International RDC/TMD Consortium, IADR-Brisbane 2006

1. Director's Report.

The Consortium has addressed a few issues this past year:

- Voting for recognition by the IADR as a Network. The votes were unanimous except for one, which called attention to the need to carefully maintain our identify as individuals who use the RDC/TMD protocol in our research according to the published standards of the protocol. The latter includes satisfactory calibration of examiners. The concern is that individuals would join the Consortium in order to claim adherence to the protocol. This issue has been under discussion by the members of the Committee, newly formed last year, and the following has been proposed: that the Consortium web site have a page listing examiners who have been calibrated, their date and place of calibration, and supervising gold standard examiner. This proposal is up for discussion.
- The Examiner Training and Reliability committee could benefit from two more members, one preferably from Asia or Australia and one from Europe, who are willing to become a gold standard examiner, if not already. Current members are Kimberly Huggins (Chair), Yoly Gonzalez, Thomas List, Richard Ohrbach. The duties of that committee are:
 - Examiner reliability, calibration of Gold Standard Examiner, etc
 - Procedures for calibrating examiners and establishing reliability in complex environments (e.g, where few clinicians per site) after development grant funding is finished.
 - Develop guidelines for the approval of RDC/TMD Gold Standard Examiners.
- Mark Drangsholt resigned as Chair of the Communications Committee, and now co-chairs the Research Committee with Thomas List. The Communications Committee needs a new Chair, with duties as specified in the bylaws:
 - Maintain Manual for reliability studies, data input, examination specifications, uses of data, etc
 - Post all existing RDC/TMD versions (all languages, and versions per development)
 - Member list: names, addresses, expertise, general and specific research interests
 - Maintain Literature database(s)
 - Provide Chat place on website:
 - Maintain list of on-going and pending Consortium projects by members for potential collaboration
 - Develop "press-release", brochures, & standard description of the Consortium as an organization
 - Maintain web site and respond to member's communication needs
 - Maintain Guidelines for consortium membership

- Consortium web site has been undergoing a complete revision from being developed in FrontPage to a different more generic package. The reasons are that the original development used some proprietary add-on code which has made maintenance very difficult, the host is being relocated from University of Washington to a server at the University at Buffalo, and a new web-package is being used as the base, which will permit email access, address books, and group-wise mailings and polling, among other features. The site is near completion.
- New members: Membership is always a concern in small organizations, and new members for the Consortium emerge primarily by word of mouth with colleagues. Please consider your colleagues and recommend membership to anyone who is seriously interested in TMD and facial pain research. The original guidelines for membership required that one was already using the RDC/TMD, yet that requirement created a double-bind for individuals who wished to become a member but were alone at an institution in a country without an adequate RDC/TMD translation. That membership requirement has been relaxed, and augmented by the plan to recognize calibrated examination skills.

Respectfully submitted,
Richard Ohrbach, Director

2. Committee Chair Report: Translations and Protocols

During the past year, we have:

- Completely reviewed all translations of the RDC/TMD with respect to format, examination recording form content, table of contents, and most recent version posted. This has been done with the able assistance of a student volunteer. The review of all existing translations has now been completed, and they await posting on the new web site.
- The Guidelines for Translation and Cultural Equivalency document has received a few tweaks over the past year, in conjunction with completion of two other documents: A Guidelines for RDC/TMD translation and equivalency, and a Translation Log for documenting translation process and outcome. These will all be posted on the new web site.
- Translations that have been revised in the past several years include Dutch and German; the Swedish version is currently undergoing review per the new Guidelines. Translators of existing versions should note that the translation review of the three versions to date has resulted in significant changes in some areas; translation for validity of a scientific protocol is an ongoing process.
- The Translation Log will be tested in-house with a new Hindi version.
- New translations are being developed for Greek and Thai, and the translators have received all three translation support documents.
- The next challenge for this Committee is the development of Guidelines by which standards are developed for the evaluation of new evidence that will result in changes in the RDC/TMD protocol. The Consortium is reminded that final approval of any new formal RDC/TMD protocol is the charge of the Consortium, as originally specified by Dr. Dworkin in the NIDCR funding, and many consortium members are busy with methods research which, collectively, will certainly result in changes in the formal protocol.

Respectfully submitted,
Richard Ohrbach, Chair

3. Research Committee Report

4 June 2006

Dear Members,

The research and publication committee is one of five sub-committees in the International Consortium for RDC/TMD. The members of this committee have had an email discussion on how to facilitate the issues regarding research and publication for the members. The following ideas have been suggested and should be discussed at the annual meeting in Brisbane, Australia:

- 1) That the Consortium for RDC/TMD continue to hold an annual meeting in conjunction with the IADR meeting and that during this meeting informal research reports from members also are presented.
- 2) That the Consortium arrange a symposium at the IADR meeting, and a dinner to facilitate personal contact between members.
- 3) That as an alternative to the symposium or maybe as a complement, a workshop could be arranged for example as a satellite meeting. A few "keynote" speakers, plenty of time to interact with participants, and some specific goals to be achieved during such a workshop. The output could be posted on the net or maybe in some kind of consensus statement published e.g. in the Journal of Oral Rehabilitation.
- 4) That present research and research interests should be posted on the consortium website so that members more easily can identify collaborators with similar interest. Since several members already have personal information at their university websites a link from the consortium site may be sufficient.

Sincerely,

Thomas List, Chair, and
Marc Drangsholt, Alan Glaros, Dominic Eitlin, Anne McMillan, Ambra Michelotti, Maria Nilner, Eric Schiffman, Marc Schmitter, Peter Svensson.

4. " RDC/TMD collaboration in Denmark and Sweden "

Some glimpse from collaborative RDC/TMD research projects.

Clinical findings and psychosocial factors in patients with atypical odontalgia. A case-control study. The RDC/TMD has been used to evaluate the prevalence of TMD among atypical odontalgia patients. Several other studies including somatosensory examination, blink-reflex, pharmacologic interventions have also been conducted in this clientele: Collaboration: Malmö University, Aarhus University, and University of Washington.

Epidemiological studies of TMD pain in adolescents. Several studies investigating the prevalence, incidence, and consequence of TMD pain in adolescence has been conducted. The reliability and validity of self-reported TMD was compared with the RDC/TMD. Collaboration: Malmö University and University of Washington.

Mandibular jaw movement capacity in 10–17-year-old children and adolescents: normative values and the influence of gender, age, and temporomandibular disorders. Epidemiological study investigating the norms of the jaw capacity in an adolescent population. Collaboration: University of Halle, University of Dresden, Malmö University.

The Jaw Functional Limitation Scale (JFLS); development and evaluation of reliability and validity. Development of a jaw function limitation scale. The scale contains three domains: Opening of the jaw, chewing, and emotions and communications. Collaboration Malmö University and University of Buffalo.

Temporomandibular disorders in the Saudi-Arabian population. Translation and cultural adaptation of a Saudi-Arabian version of the RDC/TMD. Clinical application in the population. Collaboration; Malmö University, University of Buffalo, Riyadh University.

Reliability of dynamic and static test in TMD. Investigation of the reliability of the dynamic and static tests as well as comparisons with the RDC/TMD. Collaboration: University of Amsterdam (ACTA), Malmö University, University of Naples, University of Zurich.

The impact of the radiographic examination on the diagnosis and treatment of osteoarthritis/arthritis. Clinical diagnosis of the RDC/TMD is compared with Radiographic findings. Collaboration: Aarhus University, Copenhagen University, Malmö University.