

SBPR PROGRAM - ODENSE 2010

WEDNESDAY 09 JUNE 2010

**Pre conference workshop from 14.00 hours:
Databases and registries in back pain research - Practical and methodological issues**

Welcome: Hanne Albert

Practical issues Moderator: Hanne Albert

Registry aims, design, workflow, implementation strategies, challenges

- 1) **TBC** Danish national registries (20mins and 10mins discussion)
- 2) **Peter Kent** – Rygcenter Syddanmark Spine Database (20mins and 10mins discussion)
- 3) **Tore Solberg** – Norwegian Spine Surgery Registry (20mins and 10mins discussion)

Break – 30 mins

Methodological issues Moderator: Peter Kent

- 1) Establishing a common vocabulary – a review of research designs for identifying :
 - Prognostic factors
 - Treatment effects
 - Clinically important subgroups, including predictors of treatment response (treatment effect modifiers)
- 2) What role can registries play in back pain research?
 - **Tore Solberg** – Strengths of registries in back pain research (20mins)
 - **Richard Deyo** – Limitations of registries in back pain research (20 mins)
 - Open discussion (20-30mins)

Closing remarks: Jan Hartvigsen

THURSDAY 10 JUNE 2010

08:15 - 09:00 Registration

09.00 – 09.15

Welcome:

JAN HARTVIGSEN, HEAD OF RESEARCH UNIT, INSTITUTE OF SPORTS SCIENCE AND CLINICAL BIOMECHANICS, UNIVERSITY OF SOUTHERN DENMARK

OLE SKØTT, DEAN OF FACULTY OF HEALTH SCIENCES, UNIVERSITY OF SOUTHERN DENMARK

CHARLES PITHER, PRESIDENT, SOCIETY FOR BACK PAIN RESEARCH

Session 1:

KEYNOTE ADDRESS:

CHAIR: CHARLES PITHER

9:15 - 10:15

THE EVOLVING MANAGEMENT OF BACK PAIN: ARE WE MAKING A DIFFERENCE?

PROF RICHARD DEYO - USA

10:15 - 10.45

Break: Poster viewing and exhibitions - Campus square

Session 2:

OPEN PAPERS: IMPACT AND MANAGEMENT OF BACK PAIN

CHAIR: TOM BENDIX & ALISON MCGREGOR

10.45 - 11.00

CENTRALIZATION IN PATIENTS WITH SCIATICA: ARE PAIN RESPONSES TO REPEATED MOVEMENT AND POSITIONING ASSOCIATED WITH OUTCOME OR TYPES OF DISC LESIONS?

HB ALBERT, E HAUGE, C MANNICHE –DENMARK

11.00 - 11.15

EFFECT OF THE MCKENZIE METHOD AS COMPARED WITH THAT OF MANIPULATION WHEN USED ADJUNCTIVE TO INFORMATION AND ADVICE FOR PATIENTS WITH CLINICAL SIGNS SUGGESTIVE OF DISC-RELATED LOW BACK PAIN

T PETERSEN, K LARSEN, J NORDSTEEN, S OLSEN, G FOURNIER, S JACOBSEN – DENMARK

11.15 - 11.30

IS SPORTS PARTICIPATION PROTECTIVE OF BACK PAIN IN CHILDHOOD? AN INTERIM ANALYSIS FROM A PROSPECTIVE STUDY

C FRANZ, E JESPERSEN, T JUNGE, C CHRISTIANSEN, H KLAKK, M HEIDEMANN, C LEBOEUF-YDE, N WEDDERKOPP - DENMARK

11.30 - 11.45

YOU CAN'T ALWAYS GET WHAT YOU WANT.... THE TREATMENT PREFERENCES OF PATIENTS WITH LOW BACK PAIN (LBP)

SL HIDER, NE FOSTER – UK

11.45 - 12.00

'COMPARISON BETWEEN THE IMPACT OF LOW BACK PAIN WITH LEG PAIN AND LOW BACK PAIN ALONE ON HEALTH: A SYSTEMATIC REVIEW OF THE LITERATURE AND SYNTHESIS OF AVAILABLE EVIDENCE'

K KONSTANTINO, SL HIDER, J JORDAN, M LEWIS, KM DUNN, E HAY –UK

Session 3: **SPECIAL POSTER SESSION**

CHAIR: HANNE ALBERT & PAUL STRUTTON

- 12.00 - 12.05 **ABDOMINAL MUSCLE ACTIVITY AND LOWER LIMB FORCES WHEN WALKING WITH NORDIC WALKING POLES**
V SPARKES, L WARREN, K WHITEHOUSE - UK
- 12.05 - 12.10 **IS THERE ANY EVIDENCE THAT WALKING INTERVENTIONS ARE EFFECTIVE FOR PEOPLE WITH CHRONIC LOW BACK PAIN: FINDINGS FROM A SYSTEMATIC REVIEW**
SR O'CONNOR, MA TULLY, B RYAN, GD BAXTER, JM BRADLEY, SM McDONOUGH - UK AND NZ
- 12.10 - 12.15 **SLEEP PATTERNS IN CHRONIC LOW BACK PAIN: AN AGE AND GENDER MATCHED CASE-CONTROL STUDY OVER A 7-NIGHT PERIOD**
ATM VAN DE WATER, J EADIE, DA HURLEY - IRELAND
- 12.15 - 12.20 **PHYSIOTHERAPY FOR SLEEP DISTURBANCE IN CHRONIC LOW BACK PAIN: PRELIMINARY RESULTS OF A FEASIBILITY RANDOMISED CONTROLLED TRIAL**
DA HURLEY, J EADIE, MA TULLY, W VAN MECHELEN, CAG BOREHAM, SM McDONOUGH, C LONSDALE, L DALY - IRELAND
- 12.20 - 12.25 **IS THE 'SUBGROUPS FOR TARGETED TREATMENT BACK TOOL' SUITABLE FOR CHIROPRACTOR PATIENTS?**
A KONGSTED, E JOHANNESSEN, C LEBOEUF-YDE - DENMARK
- 12.25 - 12.30 **DOES TARGETING MANUAL THERAPY AND/OR EXERCISE IMPROVE PATIENT OUTCOMES IN NONSPECIFIC LOW BACK PAIN? – A SYSTEMATIC REVIEW**
P KENT, HL MJØSUND, DHD PETERSEN - DENMARK
- 12:35 - 13:30 Lunch in Campus Restaurant

Session 4: **KEYNOTE ADDRESS:**

CHAIR: NADINE FOSTER

- 13:30 - 14:30 **THE LIFE COURSE OF BACK PAIN FROM CRADLE TO GRAVE: EPIDEMIOLOGICAL AND CLINICAL PERSPECTIVES**
PROF LISE HESTBAEK, PROF CHARLOTTE LEBOEUF-YDE & PROF JAN HARTVIGSEN - DENMARK

CHAIR: NADINE FOSTER & PER KJAER

- 14:30-15:00 **PANEL DISCUSSION:** *Deyo, Hestbaek, Leboeuf-Yde, Hartvigsen.*
- 15:00-15:30 Break: Poster viewing and exhibitions - Campus square

Session 5:

OPEN PAPERS: EPIDEMIOLOGY OF BACK PAIN

CHAIR: HENRIK HEIN LAURIDSEN & *TRISH DOLAN*

- 15.30 - 15.45 **TRAJECTORIES OF BACK PAIN IN ADOLESCENTS**
KM DUNN, KP JORDAN, L MANCL, M DRANGSHOLT, L LERESCHE
- UK AND USA
- 15.45 - 16.00 **PATTERNS OF LOW BACK PAIN IN CHILDREN/ADOLESCENTS**
P KJAER, N WEDDERKOPP, L KORSHOLM, C LEBOEUF-YDE - DENMARK
- 16.00 - 16.15 **A NEW METHOD TO COLLECT INCIDENCE DATA ON BACKPAIN IN CHILDREN.
AN INTERIM REPORT FROM A PROSPECTIVE STUDY USING WEEKLY TEXT-
MESSAGES FOR DATA COLLECTION**
C. FRANZ, E. JESPERSEN, T. JUNGE, C. CHRISTIANSEN, H. KLAKK,
M. HEIDEMANN, C. LEBOEUF-YDE , N. WEDDERKOPP - DENMARK
- 16.15 - 16.30 **CHANGES IN LOW BACK PAIN REPORTING OVER TIME IN ADULT DANES**
P KJAER, L KORSHOLM, C LEBOEUF-YDE, L HESTBAEK, T BENDIX - DENMARK
- 16.30 - 16.45 **ARE PROGNOSTIC INDICATORS FOR POOR OUTCOME DIFFERENT FOR ACUTE
AND CHRONIC LOW BACK PAIN CONSULTERS IN PRIMARY CARE?**
M GROTTLE, NE FOSTER, KM DUNN, P CROFT
- NORWAY AND UK
- 16.45 - 17.00 **THE ROLE OF RELATIONSHIP QUALITY AND PERCEIVED PARTNER REACTIONS
TO PAIN IN BACK PAIN INTENSITY AND DISABILITY**
P CAMPBELL, KP JORDAN AND KM DUNN – UK
- 17:00 – 18:00 **SBPR AGM**
- 19:00 - Midnight **Barbecue, dinner and dance**

FRIDAY 11 JUNE 2010

8:30 - 9:00 Registration

Session 6:

KEYNOTE ADDRESS:

CHAIR:

9:00 - 9:45 **THE ROLE OF MRI IN BACK PAIN DIAGNOSIS**
PROF CLAUD MANNICHE – DENMARK

Session 7:

SPECIAL POSTER SESSION

CHAIR: ALICE KONGSTED & *NAFFIS ANJAWALA*

- 9.45 - 9.50 **WEARABLE SENSOR DEVELOPED FOR MONITORING MOVEMENT OF LUMBAR SPINE AND PELVIS**
A CHHIKARA, A H MCGREGOR, A S RICE AND F BELLO - UK
- 9.50 - 9.55 **SMS-TRACK QUESTIONNAIRE – A NOVEL METHOD FOR DATA COLLECTION**
RK JENSEN; C LEBOEUF-YDE - UNIVERSITY OF SOUTHERN DENMARK, DENMARK
- 9.55 - 10.00 **MANAGING MISSING SCORES ON THE ROLAND MORRIS DISABILITY QUESTIONNAIRE**
P KENT, HH LAURIDSEN - DENMARK
- 10.00 - 10.05 **INTERDISCIPLINARY AND INTERSECTORIAL EFFORTS IN PATIENTS WITH SUB-ACUTE BACK PAIN. A DANISH HEALTH TECHNOLOGY ASSESSMENT**
J HARTVIGSEN, C LOVSCHALL, M BECH, C RASMUSSEN, T PETERSEN, C JENSEN, K DOUW - DENMARK
- 10.05 - 10.10 **POTENTIAL INTERACTION BETWEEN PATIENT CHARACTERISTICS AND TREATMENT CONTENT AT A 10-YEAR FOLLOW-UP**
C BERGSTRÖM, H BUSCH, J HAGBERG, L BODIN, I JENSEN, G BERGSTRÖM - SWEDEN
- 10:15-10:45 Break: Poster viewing and exhibitions - Campus square

Session 8:

OPEN PAPERS:

CHAIR: HENRIK WULFF CHRISTENSEN & *PHIL SELL*

- 10.45 - 11.00 **IS THERE A CASE TO INCREASE THE AGE RELATED RED FLAG CRITERIA FROM 55 TO 70 TO ORDER LUMBAR SPINE X-RAYS IN BACK PAIN?**
D VAGHELA, C MCELHATTON, T MANICAVASAGAR, I RAMACHANDRAN, G AMPAT - UK
- 11.00 - 11.15 **“WEAR AND TEAR OF YOUR SPINE - YOU MAY END UP IN A WHEEL CHAIR”. COMMUNICATING MRI RESULTS OF THE LUMBAR SPINE TO LOW BACK PAIN PATIENTS: WHAT ARE THEIR PERSPECTIVES AND INTERPRETATIONS?**
E LAERUM, A ESPELAND, H BJARKE MADSEN – NORWAY AND DENMARK
- 11.15 - 11.30 **HEALTH LITERACY AND BELIEFS AMONG A COMMUNITY COHORT WITH AND WITHOUT CHRONIC LOW BACK PAIN**
AM BRIGGS, JE JORDAN, R BUCHBINDER, LM STRAKER, AF BURNETT, PB O’SULLIVAN, D METCALF, J CHUA, RH OSBORNE - AUSTRALIA
- 11.30 - 11.45 **THE ASSOCIATION BETWEEN VERTEBRAL ENDPLATE SIGNAL (MODIC) CHANGES AND LOW BACK PAIN IN THE GENERAL POPULATION**
TS JENSEN, P KJAER, L KORSHOLM, JS SORENSEN, C MANNICHE, C LEBOEUF-YDE – DENMARK
- 11.45 - 12.00 **DO VERTEBRAL ENDPLATE SIGNAL (MODIC) CHANGES HURT?**
TS JENSEN, P KENT, J KARPPINEN, JS SORENSEN, J NIINIMÄKI, C LEBOEUF-YDE - DENMARK
- 12:00-13:00 Lunch in Campus Restaurant

Session 9:

KEYNOTE ADDRESS:

CHAIR: CHARLES PITHER

13.00 – 14.00

CENTRAL NERVOUS SYSTEM IMAGING IN BACK PAIN

DR JONATHAN BROOKS – UK

SESSION 10:

OPEN PAPERS:

CHAIR: CORRIE MYBURGH & JOHN O'DOWD

14.00 - 14.15

HOW DO BACK AND LEG PAIN AFFECT CORTICAL MOTOR CONTROL?

Y BUISSON, M CATLEY, J GUZMAN LOPEZ†, AH MCGREGOR & PH STRUTTON – UK

14.15 - 14.30

ANULUS FISSURES: AN IDEAL MICRO-ENVIRONMENT FOR THE INGROWTH OF NERVES AND BLOOD VESSELS INTO HUMAN INTERVERTEBRAL DISCS

M STEFANAKIS, J LUO, I HARDING, P DOLAN, MA ADAMS – UK

14.30 – 14.45

VERTEBROPLASTY REDUCES PROGRESSIVE 'CREEP' DEFORMITY OF FRACTURED VERTEBRAE

J LUO, DJ ANNESLEY-WILLIAMS*, MA ADAMS, P DOLAN - UK

14.45 - 15.00

VERTEBROPLASTY CAN BENEFIT ADJACENT VERTEBRAE ALSO

J LUO, DJ ANNESLEY-WILLIAMS*, MA ADAMS AND P DOLAN - UK

15:00 - 15.30

WHAT HAVE WE LEARNED? –

DEYO, HESTBAEK, LEBOEUF-YDE, HARTVIGSEN, MANNICHE, BROOKS, FOSTER

PRIZES AND CLOSING ALL CHAIRED BY CHARLES PITHER

POSTERS:

IS DIAGNOSTIC SUBGROUPING A PROGNOSTIC FACTOR IN LOW BACK PAIN TREATED BY CHIROPRACTORS? A PILOT STUDY

A KONGSTED, C LEBOEUF-YDE - DENMARK

NECK PAIN AND ANXIETY DO NOT ALWAYS GO TOGETHER

C MYBURGH, KK ROESSLER, A HOLSGAARD-LARSEN, J HARTVIGSEN - DENMARK

THE INTER-EXAMINER RELIABILITY OF STANDARDIZED MANUAL PALPATION FOR THE IDENTIFICATION OF CLINICALLY RELEVANT MYOFASCIAL TRIGGERPOINTS

C MYBURGH, HH LAURIDSEN, A HOLSGAARD-LARSEN, J HARTVIGSEN - DENMARK

CAN ULTRASOUND BE USED TO EXPLORE THE MECHANICAL ROLE OF THE THORACO-LUMBAR FASCIA?

RJ CARSLAKE, AH MCGREGOR - UK

CLINICAL MEANINGFULNESS OF BETWEEN GROUP DIFFERENCES OBSERVED IN A TRIAL OF SUPERVISED EXERCISE, SPINAL MANIPULATION AND HOME EXERCISE FOR CHRONIC LOW BACK PAIN

G BRONFORT, MJ MAIERS, C SCHULZ, RL EVANS, Y BRACHA, KH SVENDSEN, R GRIMM, EF OWENS, JR., T GARVEY, E TRANSFELDT - USA

POSTERS (CONT):

"I HAD THIS PROBLEM WITH MY LEGS AND THEY SEEMED TO HAVE FILLED MY LIFE": ACCOUNTS OF LIVING WITH SCIATICA

BN ONG, K KONSTANTINO, M CORBETT, E HAY – UK

EFFECT OF ECG REMOVAL ON LUMBAR EMG HALF-WIDTH

A COXON, S FARMER, C GREENOUGH – UK

ATTITUDES AND BELIEFS OF MILITARY PHYSIOTHERAPISTS TOWARDS THE MANAGEMENT OF CHRONIC LOW BACK PAIN – A QUALITATIVE INVESTIGATION

JW HEYWOOD & I RYDER – UK

THE VARIATIONS OF PAIN; DESCRIPTION OF THE COURSE OF LOW BACK PAIN IN 244 CHIROPRACTIC PATIENTS FOLLOWED FOR SIX MONTHS.

I AXÉN, I JENSEN, L BODIN, L HALASZ, F LANGE, P W LÖVGREN, A ROSENBAUM, C LEBOEUF-YDE – DENMARK

QUALITY DEVELOPMENT THROUGH INDICATOR MONITORING IN DANISH CHIROPRACTIC CLINICS

LP SØRENSEN, BR KROG, A KONGSTED, J HARTVIGSEN – DENMARK

USE OF COLOUR MAPS AS A DISCRIMINATOR BETWEEN LBP AND NON-LBP SUBJECTS

A COXON, S FARMER, P WATSON, M MURRAY, H ROPER, L KAID, C GREENOUGH - UK

DO GENERAL PRACTITIONERS STILL ORDER LUMBAR SPINE X-RAYS IN BACK PAIN FOR PSYCHOSOCIAL REASONS

S HALL, J KETHESWARAN, J WALKER, K STUDNICKA, G AMPAT – UK

OSWESTRY DISABILITY INDEX OR LOW BACK OUTCOME SCORE. WHICH IS THE BETTER GENERIC SPINAL OUTCOME MEASURE TO USE?

Y LEONG P. SELL – UK

DO NON-OPERATIVE TREATMENT METHODS SUGGESTED BY GENERAL PRACTITIONERS FOR BACK PAIN MATCH RECOMMENDATIONS BY NICE ?

K STUDNICKA, S HALL, J KETHESWARAN, J WALKER, G AMPAT – UK

PILATES FOR CHRONIC LOW BACK PAIN: A RANDOMISED CONTROLLED PILOT STUDY

DP KERR AND A BLAIR – UK

CAN PHYSIOTHERAPISTS RECOGNISE CAUDA EQUINA SYNDROME (CES) BETTER THAN DOCTORS?

D HINDMARSH, J DAVENPORT, V SELVARATNAM, G AMPAT – UK

THE MANAGEMENT OF DISCOGENIC PAIN DYNAMIC STABILISATION VERSUS INTERBODY FUSION

MR D CUMMING, MR J POWELL, MR D SHARP - UK

RELIABILITY OF HEALTHY SUBJECTS DURING A LUMBO-PELVIC TRACKING TASK USING THE FLEXCHAIR®BACK BALANCE TRAINER

P MATTHEW, V SPARKES - UK

A THEORY-BASED INTERVENTION DESIGNED TO INCREASE CHRONIC LOW BACK PAIN PATIENTS' ADHERENCE TO PHYSIOTHERAPISTS' RECOMMENDATIONS: A PILOT STUDY

C LONSDALE, A MURRAY, M TENANT HUMPHRIES, SM MCDONOUGH, GC WILLIAMS, DA HURLEY – IRELAND

CHIROPRACTIC TREATMENT VERSUS SELF-MANAGEMENT IN PATIENTS WITH MUSCULOSKELETAL CHEST PAIN. A RANDOMISED CONTROLLED TRIAL

MJ STOCHKENDAHL, HW CHRISTENSEN, W VACH, PF HØILUND-CARLSEN, T HAGHFELT, J HARTVIGSEN – DENMARK

EXAMINATION OF MUSCULOSKELETAL CHEST PAIN – AN INTEROBSERVER RELIABILITY STUDY

MH BRUNSE, MJ STOCHKENDAHL, W VACH, A KONGSTED, E POULSEN, J HARTVIGSEN, HW CHRISTENSEN – DENMARK & GERMANY

PERCEPTIONS OF DIFFERENCE: CONTINUITY AND DISCONTINUITY IN TRAJECTORIES OF CHRONIC PAIN

D ROBERTS, BN ONG – UK

AN ADAPTIVE SOFTWARE SOLUTION TO MANAGE PARTICIPANT RECRUITMENT, SCREENING AND TRACKING FOR CLINICAL TRIALS

EF OWENS, JR., RS HOSEK, G BRONFORT – USA

PRE COURSE AND POST COURSE TESTING OF A SPINAL COURSE ENHANCES LEARNING AND PROVIDES TRUE EVALUATION

D HINDMARSH, T MANICKAVASAGAR, G AMPAT – UK

SOLITARY SACRAL BONE PLASMACYTOMA IN A SEVENTY YEAR OLD MAN, PRESENTING WITH LOW BACK PAIN

IH ABDULKAREEM AND MARCUS DE MATAS – UK

3D LUMBAR SPINAL MOTION AND LOW BACK PAIN (LBP) – A PHD PROJECT

RM MIERITZ - DENMARK

ARE SELF-REPORTED PAIN CHARACTERISTICS, CLASSIFIED USING THE PAINDETECT QUESTIONNAIRE, PREDICTIVE OF OUTCOME IN PEOPLE WITH LOW BACK PAIN AND ASSOCIATED LEG PAIN?

L MORSØ, P KENT, HB ALBERT – DENMARK