
Tuesday 4 April

16.30-17.00 Registration and welcome

17.00-17.30 Course introduction (C Gluud and D Conte)

17.30-18.15 The architecture of diagnostic studies (D Conte)

18.15-19.00 The Cochrane systematic review of diagnostic test accuracy (DTA) (G Casazza and D Nikolova)

19.00-19.45 Small group exercises: Title formulation (G Casazza and D Nikolova)

20.00 Dinner

Wednesday 5 April

9.00-9.30 Validity, reliability, and reproducibility of an index test. Definitions and assessment (PG Duca)

9.30-10.00 Range of index test results in healthy people (D Prati)

10.00-11.00 Tutor-led methodological review of a medical article: Analysis of diagnostic studies: defining the questions, study phases, and designs (PG Duca and D Prati)

11.00-11.30 Coffee break

11.30-12.00 Reference standard (F Filippini and G D'Amico)

12.00-12.30 Diagnostic test accuracy: the 2-by-2 table (F Filippini)

12.30-13.15 Tutor-led methodological review of a medical article: Analysis of diagnostic studies: patient selection, index test, and reference standard (G Casazza and G D'Amico)

13.15-14.30 Lunch

14.30-15.00 Sensitivity and specificity. (M Fraquelli)

15.00-15.30 Likelihood ratios (A Colli)

15.30-17.00 Tutor-led methodological review of a medical article: Analysis of diagnostic studies: sensitivity, specificity, and likelihood ratio estimates (M Fraquelli and A Colli)

17.00-17.30 Coffee break

17.30-19.30 Small groups exercise: Steps in title and protocol development (1) (D Nikolova)

20.00 Dinner

Thursday 6 April

9.00-9.30 Index test results: positivity and negativity criteria. The cut-off value (A Colli).

9.30-10.00 The receiver operating characteristic curve (G Casazza)

10.00-11.00 Tutor-led methodological review of a medical article: Analysis of diagnostic studies: the cut-off values (A Colli and G Casazza)

11.00-11.30 Coffee break

11.30-12.15 Pre-test and post-test probabilities. When is the post probability sufficient for decision-making? (A Colli)

12.15-13.00 Diagnostic accuracy and statistical significance (M Fraquelli)

13.00-14.30 Lunch

14.30-16.00 Tutor-led methodological review of a medical article: Diagnostic accuracy study designs: case-control studies, cross-sectional studies, cohort studies, and randomised clinical trials (M Fraquelli and A Colli)

16.00-16.30 Coffee break

16.30-17.00 Sample size (PG Duca)

17.00-19.00 Small groups exercises: Steps in developing the review protocol (2) (Participants)

20.00 Dinner

Friday 7 April

9.00-10.30 Quality assessment QUADAS 2 (M Fraquelli) with small group exercises

10.30-11.00 Coffee break

11.00-13.30 Analysis and discussion of a DTA review: Platelet count, spleen length and platelet count/spleen length ratio for the diagnosis of oesophageal varices in patients with chronic liver disease or portal vein thrombosis (A Colli and G Casazza)

13.30-14.45 Lunch

14.45-17.00 Clinical reasoning:

14.45-15.30 Diagnosis (L.Pagliaro)

15.30-16.15 Prognosis: diagnosing the future. The temporal dimension of diagnosis. (G D'Amico)

16.15-17.00 Treatment (C Gluud)

17.00-17.30 Coffee break

17.30-19.30 Small group exercises: completing a format for a title of a DTA review

20.30 Farewell dinner

Saturday 8 April

9.00-9.30 Course summary (D Conte and C Gluud)

9.30-11.30 Small group reports

11.30-12.30 Plenary discussion (participants)

12.30 -13.30 Buffett lunch

Course information to be obtained from:

Organizing secretary: *Sara Comparetti*,

Centro “Thomas C. Chalmers and Alessandro Liberati”, Dipartimento di Fisiopatologia Medico-Chirurgica e dei Trapianti, Università degli Studi di Milano, Fondazione IRCCS Ca’ Granda Ospedale Maggiore Policlinico, via F. Sforza, 35 20122 Milano, Italy
E-mail chalmers@unimi.it

Early application date and registration fee: until 20 January 2017, 750€

Late application date and registration fee: from 21 January 2017, 850€

Latest date to receive applications and registration fee: 15 March 2017.

All sessions will be run in English. Course participants will be selected based on their CVs and applications; these must be sent to *Sara Comparetti* (see above)

Payment (by bank transfer)

Please indicate “Centro Chalmers -- EBM Course” as the reason for the transfer.

Make drafts payable to:

Università degli Studi di Milano, Banca Intesa BCI, Via Verdi, 8 Milan, Italy C/C 4639/71, ABI 03069, CAB 09400, Codice CIN G, IBAN IT97 G030 6909 4000 0000 0463 971, Swift Code BCITIT33100 If payment is made for more than one person, or by a company, or institution, the names of the applicants must be indicated. The course fee covers tuition, refreshments, meals, and accommodation (shared double rooms).

Copy of the bank transfer must be received no later than **15 March 2017** to ensure participation.

Faculty

Giovanni Casazza, Università di Milano, Italy

Agostino Colli, Ospedale A. Manzoni, Lecco, Italy

Dario Conte, Università di Milano, Fond. IRCCS “Ca’ Granda Ospedale Maggiore Policlinico”

Milano, Italy

Gennaro D’Amico, Ospedale Cervello, Palermo, Italy

Piergiorgio Duca, Università di Milano, Italy

Graziella Filippini, The Multiple Sclerosis and Rare Diseases of the CNS Group, Fondazione IRCCS Istituto Neurologico C. Besta, Milano, Italy

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Christian Gluud, The Cochrane Hepato-Biliary Group, Rigshospitalet, Copenhagen University Hospital, Denmark

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Luigi Pagliaro, Professore Emerito Università di Palermo, Italy

Daniele Prati, Ospedale A. Manzoni, Lecco, Italy



DIAGNOSIS: the pathway of a diagnostic test from bench to bedside

Basic residential course

April, 4 - 8, 2017 - Palazzo Feltrinelli
Gargnano, Lago di Garda, Italy

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U.O.C. di Gastroenterologia ed Endoscopia
Milano – Italy

The Multiple Sclerosis and Rare Diseases of the CNS Group

Fondazione IRCCS Istituto Neurologico
C. Besta - Milano - Italy

The Copenhagen Trial Unit (CTU),

Centre for Clinical Intervention Research,

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