

Tuesday 9 May

8.30-9.00 Registration and welcome

1. The diagnostic question

- diagnosis, diagnostic pathway, and downstream consequences of diagnosis (Colli A)
- accuracy, reference standard, and 2 by 2 table (Casazza G)
- sensitivity, specificity (Fraquelli M)
- likelihood ratio, pre-test and post-test probability (Fraquelli M)
- cut-off and ROC (Casazza G)
- Summary (Colli A)

2. Putting the question into the context

(Colli A)

Following RevMan with examples from Hepato-Biliary Group's diagnostic test accuracy protocols and reviews

- Background
- Target condition being diagnosed
- Index test
- Clinical pathway
- Rationale

11:00-11:30 Coffee break

3. Objectives (Fraquelli M)

- Primary objective(s)
- Secondary objective(s)

4. Types of diagnostic studies

(Casazza G)

- Cross sectional
- Case-control (two gates or patient-control)
- Randomised clinical trial

5. Participants, index test, target conditions, reference standards

(Colli A)

6. Search methods for identification of studies (Nikolova D)

13:00-14:30 Lunch

7. Assessment of methodological quality (Colli A - M. Fraquelli)

QUADAS 2

8. Statistical analysis and data synthesis (Casazza G)

- Bivariate model
- Hierarchical ROC
- Combination of index tests
- Comparisons
- Non-evaluable results

17:00-17:30 Coffee break

9. Investigations of heterogeneity (Casazza G)

10. Sensitivity analyses and assessment of reporting bias

(Casazza G)

11. Summary

20.00 Dinner

Friday 10 May

9.00- 13.00

12. Results

- Search (Fraquelli M)
- Quality (Fraquelli M)
- Findings (Casazza G)
- Summary of findings table 1 (Casazza G)

10.30-11.00 Coffee break

13. Discussion and authors' conclusions (Colli A - Fraquelli M)

14. Abstract and Plain language summary (Nikolova D)

15. Summary (Gluud C)

16. Evaluation (Gluud C)

13.00-14.00 Lunch

Course information

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
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***Latest date to receive applications:
20 April 2019.***

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)

The course covers tuition, refreshments, meals, and accommodation (possible accommodation in shared double rooms).

Travel expenses are not included.

Faculty

Giovanni Casazza, Università degli studi di Milano, Italy

Agostino Colli, The Cochrane Hepato-Biliary Group, Rigshospitalet, Copenhagen University Hospital, Denmark

Dario Conte, Università degli Studi di Milano, Fondazione IRCCS Ca’ Granda Ospedale Maggiore Policlinico Milano, Italy

Mirella Fraquelli, Fondazione IRCCS Ca’ Granda Ospedale Maggiore Policlinico, Milano, Università di Milano, Italy

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

Dimitrinka Nikolova, The Cochrane Hepato-Biliary Group, Rigshospitalet, Copenhagen University Hospital, Denmark



Systematic review of diagnostic test accuracy

Basic Residential Course – 12 hours

9 - 10th May 2019

**Palazzo Feltrinelli
Gargnano, Lago di Garda, Italy**

Centro Interuniversitario
**“THOMAS C. CHALMERS and
ALESSANDRO LIBERATI”** - Italy

Università degli Studi di Milano
Dipartimento di Fisiopatologia
Medico-Chirurgica e dei Trapianti
**Fondazione IRCCS Ca’ Granda
Ospedale Maggiore Policlinico**
U.O.C. di Gastroenterologia ed Endoscopia
Milano – Italy

**The Copenhagen Trial Unit (CTU),
Centre for Clinical Intervention Research,
The Cochrane Hepato-Biliary Group,
Rigshospitalet, Copenhagen, Denmark.**