

Diagnostic Research Design & Reporting Capability Statement

Statement of Qualifications

Principal consultant Matthew D. Mitchell, Ph.D. spent more than a decade as a technology assessment analyst at ECRI, the nation's leading center for health technology assessment and an AHRQ-designated Evidence-based Practice Center. At ECRI, Dr. Mitchell was lead analyst and writer on numerous large and small technology assessment projects (a complete list of those projects is available on request) and served as internal reviewer for quality control of many more reports. He also was the institute's specialist in assessment of diagnostic tests, and liaison to . He invented the mean threshold method for selecting a summary point from a receiver operating characteristic (ROC) curve, and published research validating the logit regression method for summary ROC meta-analysis. He left ECRI in 2005 to devote full time to his consulting practice.

Prior to his employment at ECRI, Dr. Mitchell carried out MRI research at the USDA Beltsville Research Center and contributed to public-private research projects there. He also served on the Diagnostic Imaging faculty of Thomas Jefferson University, managing an advanced placement education program for clinical imaging professionals. While completing his doctorate at the University of Pennsylvania School of Medicine, he invented and patented a novel double-tuning system for MR probes.

Products Offered

- dr-ROC summary ROC meta-analysis software
dr-ROC is a complete tool for analysis of diagnostic test clinical trial data. Enter the data, select analysis options using the simple pull-down menus, and click a button for full analysis of the data including predictive values and confidence intervals, Littenberg-Moses summary ROC calculations, and forest and logit plots. The user-friendly interface continues to the output side: dr-ROC provides manuscript-ready tables and graphs, with options that can be set with a simple mouse click. dr-ROC runs under Microsoft Excel, so it is compatible with both Windows and Macintosh computers.
- Consulting services (see below)

Services Offered

- Consulting services in research planning, construction of forms and other research materials
- Systematic review of clinical research findings
- Systematic quality of literature assessment
- Meta-analysis and other statistical analysis of research results
- Evidence-gathering and presentation for guideline development and other evidence-based medicine projects
- Technology assessment
- Technical writing
- External review and editing of proposals, reports, manuscripts, and other documents

- Continuing education services in evidence-based medicine, statistical methods, and diagnostic technologies
- Custom analysis and other services to meet client needs.

NAICS

- Other scientific consulting (541690)
- Software (511210)
- Life sciences R&D (541710)
- Professional/scientific/technical services, NOS (541990)
- Administrative and management consulting (541611)

SIC

- Services, NOC (8999)
- Physical and biological research (8731)
- Software (7371)

Selected Customers

- Duke University
- University of Michigan
- Canadian Consulting Office on Health Technology Assessment
- UK National Health Service, National Coordinating Centre on Health Technology Assessment
- University of Leuven, Belgium
- Yamaguchi University Hospital, Japan

EIN

20-3460302

DUNS

60-241-1659

Credit Cards Accepted

Yes

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