QUALITY OF CARE AND OUTCOMES ASSESSMENT

TRIALRESULTS-CENTER: A WEB-BASED CLINICAL TRIAL RESULTS DATABASE PROVIDING DYNAMIC SYSTEMATIC REVIEWS AND META-ANALYSIS OF CLINICAL TRIALS IN CARDIOLOGY

ACC Poster Contributions
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The highest level of evidence for treatment efficacy comes from the results of randomized clinical trials (RCTs). These results are the best reference available today for relevant of prescriptions. However, one of the most important limitations seems to be the accession of such evidence based knowledge, because of the large and increasing number of articles published in a wide selection of medical journals in different languages, and the prescriber uncertainty on how best to apply these findings in practice.

TrialResults-center is an innovative knowledge database that collects the results of RCTs and provides dynamic interactive systematic reviews and meta-analysis in the field of all major heart and vessels diseases. The TrialResults-center database enables the quantification of treatment efficacy based on all available evidence, and offers a valuable alternative to either personal bibliographic search or already published meta-analysis. Furthermore for each given clinical condition, it allows to compare in real time all potential concurrent treatments.

A rigorous approach is used to populate the TrialResults-center database: widespread search of published and non published trials, study selection with pre-specified criteria for methodological quality, standardized data extraction, and quantitative synthesis.

TrialResults-center is periodically updated on a weekly basis. All new results are continuously searched whatever their publication channel (scientific journal, meeting, registry) and then immediately implemented in the database.

Contributors use custom authoring tools to upload the trial description, results and other materials for web pages. These informations are stored in a set of databases, and web pages are created dynamically. Such a system allows a great flexibility in the presentation of information, and supports the customization of content for different audiences and the sharing of materials of other projects.

TrialResults-center approach corresponds to a public and non-profit service, users from all over the world having free access to the whole database information. TrialResults-center is available on the web at www.trialresultscenter.org