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CHOICE AMONG DOING NOTHING, TESTING, OR STARTING TREATMENT"; "SUMMARY"; "Glossary Of Terms"; "REFERENCES"; "3 Assessment: Problems and Proposed Solutions"; "MEASURES OF CLINICAL EFFICACY"; "Technical Capability"; "Sensitivity and Specificity"; "Diagnostic Impact"; "Therapeutic Impact"; "Impact on Clinical Outcomes"; "THE SYSTEM OF TECHNOLOGY ASSESSMENT IN THE UNITED STATES"; "The Pyramid"; "PROBLEMS WITH THE CURRENT SYSTEM"; "RANDOMIZED TRIALS OF DIAGNOSTIC TESTS" "Limitations of Randomized Trials" "Trial Design"; "OFF THE GOLD STANDARD"; "ON THE GOLD STANDARD"; "A PROPOSAL FOR MODEL-DRIVEN TECHNOLOGY ASSESSMENT"; "A Technology Should Be Compared with a Competing Technology"; "STUDIES SHOULD BE PLANNED BEFORE ENROLLING THE FIRST PATIENT"; "ALL THE DATA THAT ARE NEEDED FOR CLINICAL DECISION MAKING SHOULD BE COLLECTED"; "BIAS IN PATIENT SELECTION SHOULD BE AVOIDED"; "PATIENTS SHOULD BE OBSERVED FOR ADVERSE EFFECTS OF THE INDEX TEST"; "INTERPRETATION OF DATA SHOULD BE FREE OF BIAS" "INTEROBSERVER DISAGREEMENT SHOULD BE MEASURED" "THERE SHOULD BE ENOUGH PATIENTS TO REPORT THE RESULTS IN CLINICALLY USEFUL SUBGROUPS OF PATIENTS"; "SUMMARY"; "REFERENCES"; "4 Primary Assessment of Diagnostic Tests: Barriers to Implementation"; "PLANNING AND PROTOCOL DEVELOPMENT"; "Choosing a Clinical Condition"; "Patient Population"; "Endpoints and Study Design"; "ACCURACY"; "OUTCOME"; "COMBINED STUDIES: ACCURACY AND OUTCOME"; "SHORT-TERM OUTCOMES: A SYNTHETIC APPROACH"; "Economic Analysis"; "Efficacy Versus Effectiveness"; "Comparative Assessment" "Sample Size"

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