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**Case 35 (November 12 2009):** [N Engl J Med. 361\(20\):1980-1989](#)

**Demographic:** Male, 60 yrs, America North, General speciality

**Clinical features extracted from the case and entered into the query box:**

mental state changes  
diarrhea  
renal insufficiency  
diabetic ketoacidosis  
hypotension  
fatigue  
somnolence  
confusion  
orthopnea  
paroxysmal nocturnal dyspnea  
tremor  
clonus  
cardiac murmur

**Synonyms used by Isabel PRO for the above query:**

paroxysmal nocturnal dyspnea  
confusion  
somnolence  
hypotension  
orthopnea  
diabetic ketoacidosis  
diarrhea  
cardiac murmur  
fatigue  
renal insufficiency

**STOP !**

**Before you read further you might want to construct your own:**

- Complete differential diagnosis
- Final diagnosis

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**In the following section you will find:**

- The differential diagnosis constructed by the MGH panel
- The final diagnosis of the case
- Which of the MGH panel differential diagnoses did Isabel PRO contain
- Did Isabel PRO suggest the Final diagnosis

**Differential Diagnoses considered by the MGH panel:**

Endocarditis

**Final Diagnosis of the case according to NEJM:**

Disseminated coccidioidomycosis in a renal-allograft recipient.

**Differential Diagnoses of the case as given by Isabel PRO:**

Endocarditis – under Cardiac disorders

**Was the final diagnosis given by Isabel PRO:**

Yes, Coccidioidomycosis under Infectious diseases

**Isabel PRO Final Diagnosis:**

The screenshot displays the Isabel PRO interface, divided into two main sections: 'ENTER CLINICAL FEATURES' and 'DEGREE OF MATCH'.

**ENTER CLINICAL FEATURES:** This section includes dropdown menus for 'age' (adult (50 - 65 years)), 'gender' (male), 'pregnancy' (- not specified -), 'region' (America North), and 'speciality' (General). Below these is a text input area for 'ENTER QUERY TERMS ON SEPARATE LINES:' containing the following terms: mental state changes, diarrhea, renal insufficiency, diabetic ketoacidosis, hypotension, fatigue, somnolence, confusion, orthopnea, paroxysmal nocturnal dyspnea, tremor, clonus, and cardiac murmur. At the bottom of this section are buttons for '+ Add a Clinical Feature', 'Get Checklist »', and links for 'Help' and 'Search Again'.

**DEGREE OF MATCH:** This section shows search results under the heading '11 INFECTIOUS DISEASES'. The top result is 'Coccidioidomycosis' with a match degree of 52%. A yellow box explains: 'Why did this diagnosis come up? We matched the terms: loc | diabetic ketoacidosis | malaise | fatigue | mental | tremor | clonu | clonus'. Below this are other results: 'Toxic Shock Syndrome', 'Rocky Mountain Spotted Fever', 'Q Fever', and 'Arboviral Infections / Encephalitides', each with a match percentage and 'RD' icon. Below the infectious diseases is a section for '17 Body Systems' with a 'Show All' button, listing categories like 'CARDIAC DISORDERS', 'INFECTIOUS DISEASES', 'RESPIRATORY DISORDERS', etc.