

Modified Duke Criteria for Infective Endocarditis

- **Major Criteria**

- Sustained bacteremia
 - 2 + blood cultures taken >12 hrs apart - for organisms that are typical causes of IE
 - 3 or 4 + blood cultures for organisms that are more commonly skin contaminants
- Endocardial involvement
 - + echocardiogram (vegetation, abscess)
 - New valvular regurgitation
- Single + blood culture for *Coxiella burnetii* or phase I IgG antibody titer > 1:800

- **Minor Criteria**

- Predisposition (IV drug use or predisposing heart condition - prosthetic heart valve)
- Fever > 100.4 deg F
- Vascular phenomena
 - major arterial emboli, septic pulmonary infarcts, mycotic aneurysm, intracranial hemorrhage, Janeway lesions
- Immunologic phenomena
 - Glomerulonephritis, Osler Nodes, Roth Spots, + Rheumatoid factor
- Microbiologic evidence
 - + blood cultures that do not meet major criteria OR serologic evidence of active infection with organism consistent with IE

- **Definitive diagnosis**

- 2 major criteria
- 1 major + 3 minor criteria
- 5 minor criteria

- **Probable diagnosis**

- 1 major + 1 minor criteria
- 3 minor criteria