**TABLE II.**

**Definitions of Terms Used in the Duke Criteria for the Diagnosis of Infective Endocarditis**

**Major criteria**

(1) Positive blood culture for IE

A. Typical microorganism consistent with IE from 2 separate blood cultures as noted below:

(i) Viridans streptococci,\* Streptococcus bovis, or HACEK group or

(ii) Community-acquired *Staphylococcus aureus* or enterococci, in the absence of a  
 primary focus or

B. Microorganisms consistent with IE from persistently positive blood cultures defined as

(i) >2 positive cultures of blood samples drawn >12 h apart or

(ii) All of 3 or a majority of >4 separate cultures of blood (with first and last sample   
 drawn >1 h apart)

(2) Evidence of endocardial involvement

A. Positive echocardiogram for IE defined as

(i) Oscillating intracardiac mass on valve or supporting structures, in the path of  
 regurgitant jets, or on implanted material in the absence of an alternative anatomic  
 explanation, or

(ii) Abscess, or

(iii) New partial dehiscence of prosthetic valve or

B. New valvular regurgitation (worsening or changing of preexisting murmur not sufficient)

**Minor criteria**

(1) Predisposition: predisposing heart condition or IV drug use

(2) Fever: temperature >38.0°C

(3) Vascular phenomena: major arterial emboli, septic pulmonary infarcts, mycotic aneurysm,  
 intracranial hemorrhage, conjunctival hemorrhages, and Janeway lesions

(4) Immunologic phenomena: glomerulonephritis, Osler nodes, Roth spots, and rheumatoid factor

(5) Microbiological evidence: positive blood culture but does not meet a major criterion as noted  
 above or serological evidence of active infection with organism consistent with IE

(6) Echocardiographic findings: consistent with IE but do not meet a major criterion as noted above

HACEK indicates Haemophilus species, Actinobacillus (Haemophilis) actino- mycetemcomitans, Cardiobacterium hominis, Eikenella species, and Kingella kingae

IE = infective endocarditis; IV = intravenous

\* Includes nutritionally variant strains (Abiotrophia species).

† Excludes single positive cultures for coagulase-negative staphylococci and organisms that do not  
 cause endocarditis.

Durack DT, Lukes AS, Bright DK.  New criteria for diagnosis of infective endocarditis: utilization of specific echocardiographic findings. Duke Endocarditis Service. Am J Med  1994;96:200-9.  Used by permission.