

Table I. Treatment of MSSA

Disease Entity	Antibiotic	Dosage	Comment
SSTI*, outpatient	Dicloxacillin	500 mg QID	For simple abscesses, incision and drainage alone may be sufficient. Duration of therapy is 5-7 days.
	Cephalexin	500 mg QID	
SSTI*, inpatient	Nafcillin	2g IV Q4H	Duration of therapy is 7-10 days, based on clinical response.
	Cefazolin	1g IV Q8H	
Pneumonia	Nafcillin	2g IV Q4H	Duration of therapy is 7-21 days, depending on extent of disease (longer if associated empyema) and clinical response.
	Cefazolin	2g IV Q8H	
	Ceftaroline	600 mg IV Q12H	
Bacteremia	Nafcillin	2g IV Q4H	Search for primary source and other sites of infection. Eliminate/debride foci of infection. Obtain surveillance blood cultures 2-4 days after initial positive culture to document clearance of bacteremia. Obtain echocardiogram to exclude endocarditis. Minimum duration of treatment is 14 days for uncomplicated bacteremia; 4-6 weeks for complicated bacteremia.
	Cefazolin	2g IV Q8H	
Endocarditis, native valve	Nafcillin	2g IV Q4H	Evaluation of valve replacement surgery is recommended if large vegetation (>10 mm in

	Cefazolin	2g IV Q8H	diameter), occurrence of 1 or more embolic events during the first 2 weeks of therapy, severe valvular insufficiency, valvular perforation or dehiscence, decompensated heart failure, perivalvular or myocardial abscess, new heart block, or persistent fevers or bacteremia. Duration is 4-6 weeks.
Endocarditis, prosthetic valve	Nafcillin or Cefazolin <u>AND</u> Rifampin <u>AND</u> Gentamicin	Same dosing as above Same dosing as above 300 mg IV/ PO Q8H 1 mg/kg IV Q8H	Early evaluation for valve replacement surgery is recommended. Duration is 6 weeks.
Osteomyelitis/ epidural abscess	Nafcillin Cefazolin TMP-SMX <u>AND</u> Rifampin	2g IV Q4H 2g IV Q8H 3.5-4 mg/kg BID 600 mg PO QD	Surgical debridement/drainage is mainstay of therapy and should be performed whenever feasible. Duration is 6-8 weeks.
Septic arthritis	Nafcillin Cefazolin	2g IV Q4H 2g IV Q8H	Drainage or debridement of joint space should always be performed. Duration is 3-4 weeks.

Brain abscess	Nafcillin	2g IV Q4H	Neurosurgical evaluation for drainage and debridement is recommended. Some experts recommend the addition of rifampin. Duration is 4-6 weeks.
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PLEASE NOTE: Doses listed assume patients with normal renal function.

*SSTI: Skin and soft tissue infection