

Table II. Treatment of MRSA

Disease Entity	Antibiotic	Dosage	Comment
SSTI, outpatient	TMP-SMX	1-2 DS tab PO BID	For simple abscesses, incision and drainage alone may be sufficient. Duration of therapy is 5-7 days.
	Doxycycline/ Minocycline	100 mg PO BID	
	Clindamycin	300-450 mg PO TID	
	Linezolid	600 mg PO BID	
SSTI, inpatient	Vancomycin	15-20 mg/kg IV Q8-12H	Duration of therapy is 7-10 days, based on clinical response.
	Linezolid	600 mg PO/ IV BID	
	Daptomycin	4 mg/kg IV QD	
	Telavancin	10 mg/kg IV QD	
	Ceftaroline	600 mg IV Q12H	
	Clindamycin	300-450 mg PO /IV TID	
	Tigecycline	100 mg IV x 1; 50 mg IV Q12	
Pneumonia	Vancomycin	15-20 mg/kg IV Q8-12H	Duration of therapy is 7-21 days, depending on extent of disease (longer if associated empyema) and clinical response.
	Linezolid	600 mg PO/ IV BID	
Bacteremia	Vancomycin	15-20 mg/kg IV Q8-12H	Search for primary source and other sites of infection. Eliminate/debride foci of infection.

	Daptomycin	6 mg/kg IV QD*	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.
Endocarditis, native valve	Vancomycin Daptomycin	15-20 mg/kg IV Q8-12H 6 mg/kg IV QD*	Evaluation of valve replacement surgery is recommended if large vegetation (>10 mm in 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	Vancomycin or Daptomycin <u>AND</u> Rifampin <u>AND</u> Gentamicin	Same dosing as above Same dosing as above 300 mg IV/ PO Q8H 1mg/kg IV Q8H	Early evaluation for valve replacement surgery is recommended. Duration is 6 weeks.
Osteomyelitis/ epidural abscess	Vancomycin Daptomycin Clindamycin	15-20 mg/kg/dose IV Q8-12H 6 mg/kg IV QD* 600 mg PO/ IV TID	Surgical debridement/drainage is mainstay of therapy and should be performed whenever feasible. Duration is 6-8 weeks.

	TMP-SMX <u>AND</u> Rifampin	3.5-4 mg/kg/dose BID 600 mg PO QD	
Septic arthritis	Vancomycin Daptomycin Clindamycin TMP-SMX <u>AND</u> Rifampin	15-20 mg/kg IV Q8-12H 6 mg/kg IV QD* 600 mg PO/ IV TID 3.5-4 mg/kg BID 600 mg PO QD	Drainage or debridement of joint space should always be performed. Duration is 3-4 weeks.
Brain abscess	Vancomycin Linezolid TMP-SMX	15-20 mg/kg/dose IV Q8-12H 600 mg PO/ IV BID 5 mg/kg dose IV Q8-12H	Neurosurgical evaluation for drainage and debridement is recommended. Some experts recommend the addition of rifampin. Duration is 4-6 weeks.

*Some experts recommend daptomycin 8-10 mg/kg/ dose IV QD.