

Supplementary Table 1. Detailed summary of 31 patients with surgical site infection

Case No.	Days to onset	Reason for initial craniectomy	Organism	Treatment for surgical site infection	Last follow-up
Superficial					
1	9	Acute subdural hematoma	No isolated	Wound revision and debridement of infected tissue	No recurrence
2	11	Vestibular schwannoma	No isolated	Intravenous antibiotics	No recurrence
3	54	Skull fracture without open	No isolated	Wound revision and debridement of infected tissue	No recurrence
4	59	Acute subdural hematoma	No isolated	Wound revision and debridement of infected tissue	No recurrence
Deep (muscle or epidural space)					
5	4	Subarachnoid hemorrhage	Methicillin-resistant <i>Staphylococcus aureus</i>	Wound revision and removal of bone flap and infected tissue	No recurrence Skull defect status
6	5	Subarachnoid hemorrhage	Methicillin-resistant <i>Staphylococcus aureus</i>	Wound revision and removal of bone flap and infected tissue	No recurrence Skull defect status
7	5	Acute subdural hematoma	Methicillin-resistant <i>Staphylococcus aureus</i>	Wound revision and debridement of infected tissue	No recurrence
8	5	Acute subdural hematoma	Methicillin-resistant <i>Staphylococcus aureus</i>	Wound revision and removal of bone flap and infected tissue	No recurrence Skull defect status
9	7	Malignant infarction	Methicillin-resistant <i>Staphylococcus aureus</i>	Wound revision and removal of bone flap and infected tissue	No recurrence Skull defect status
10	7	Spontaneous intracerebral hemorrhage	Methicillin-resistant <i>Staphylococcus aureus</i>	Wound revision and removal of bone flap and infected tissue	No recurrence Skull defect status
11	7	Epidermoid cyst	Methicillin-resistant <i>Staphylococcus aureus</i>	Intravenous antibiotics	No recurrence
12	10	Subarachnoid hemorrhage	Methicillin-resistant <i>Staphylococcus aureus</i>	Wound revision and removal of bone flap and infected tissue	No recurrence Skull defect status
13	10	Subarachnoid hemorrhage	Methicillin-resistant <i>Staphylococcus aureus</i>	Wound revision and removal of bone flap and infected tissue	Recurrence after re-cranioplasty Skull defect status
14	11	Subarachnoid hemorrhage	Methicillin-resistant coagulase-negative <i>Staphylococcus</i>	Wound revision and removal of bone flap and infected tissue	Death during treatment
15	11	Low grade glioma	Methicillin-resistant coagulase-negative <i>Staphylococcus</i>	Aspiration of infected fluid and intravenous antibiotics	No recurrence
16	13	Spontaneous intracerebral hemorrhage	Methicillin-resistant <i>Staphylococcus aureus</i>	Wound revision and debridement of infected tissue	No recurrence
17	14	Spontaneous intracerebral hemorrhage	Methicillin-resistant <i>Staphylococcus aureus</i>	Wound revision and debridement of infected tissue	No recurrence
18	15	Malignant infarction	Methicillin-resistant <i>Staphylococcus</i>	Wound revision and debridement of infected	No recurrence

Supplementary Table 1. Continued

Case No.	Days to onset	Reason for initial craniectomy	Organism	Treatment for surgical site infection	Last follow-up
19	20	Skull fracture without open wound	Methicillin-resistant <i>Staphylococcus aureus</i>	Wound revision and removal of bone flap and infected tissue	No recurrence after re-cranioplasty
20	20	Spontaneous intracerebral hemorrhage	No isolated	Wound revision and debridement of infected tissue	No recurrence
21	27	Subarachnoid hemorrhage	Methicillin-resistant <i>Staphylococcus aureus</i>	Wound revision and debridement of infected tissue	No recurrence
22	46	Glioblastoma	Methicillin-sensitive <i>Staphylococcus aureus</i>	Wound revision and removal of bone flap and infected tissue	No recurrence Skull defect status
23	64	Acute subdural hematoma	Methicillin-resistant <i>Staphylococcus aureus</i>	Wound revision and removal of bone flap and infected tissue	Recurrence after re-cranioplasty Skull defect status
24	92	Spontaneous intracerebral hemorrhage	Methicillin-resistant <i>Staphylococcus aureus</i>	Wound revision and removal of bone flap and infected tissue	No recurrence Skull defect status
25	333	Acute subdural hematoma	Methicillin-resistant <i>Staphylococcus aureus</i>	Wound revision and removal of bone flap and infected tissue	No recurrence Skull defect status
Organ/space (subdural space, cerebrospinal fluid, or brain parenchyme)					
26	9	Subarachnoid hemorrhage	Methicillin-resistant <i>Staphylococcus aureus</i>	Wound revision and removal of bone flap and infected tissue	No recurrence Skull defect status
27	10	Acute subdural hematoma	Methicillin-resistant <i>Staphylococcus aureus</i>	Wound revision and removal of bone flap and infected tissue	Recurrence after re-cranioplasty Skull defect status
28	13	Craniopharyngioma	Multidrug-resistant <i>Acinetobacter baumannii</i>	Wound revision and removal of bone flap and infected tissue	Death during treatment
29	70	Acute subdural hematoma	Methicillin-resistant <i>Staphylococcus aureus</i>	Wound revision and removal of bone flap and infected tissue	No recurrence Skull defect status
30	73	Subarachnoid hemorrhage	Methicillin-resistant <i>Staphylococcus aureus</i>	Wound revision and removal of bone flap and infected tissue	No recurrence after re-cranioplasty
31	89	Subarachnoid hemorrhage	Methicillin-resistant <i>Staphylococcus aureus</i>	Wound revision and removal of bone flap and infected tissue	Recurrence after re-cranioplasty Skull defect status