

TABLE EI Characteristics of Patients Treated with a Pedicled Vascularized Rib Graft

| Age (yrs) | Gender | Date of Surgery | Vascularized Fusion | Length of Follow-up (months) | Reason for Surgical Intervention      | Rib Used | Side Operated on | Graft Length (cm) | Vertebral Levels Spanned | Complications                                       |
|-----------|--------|-----------------|---------------------|------------------------------|---------------------------------------|----------|------------------|-------------------|--------------------------|-----------------------------------------------------|
| 73        | F      | 3/19/1997       | Posterior           | 16*                          | Metastatic leiomyosarcoma             | 10       | R                | 15                | T11-L3                   | None                                                |
| 48        | F      | 4/4/2000        | Posterior           | 38                           | Prior chondrosarcoma /implant failure | 9        | R                | 15                | T2-T9                    | Infection                                           |
| 50        | F      | 12/3/2003       | Posterior           | 15*                          | Epithelioid sarcoma                   | 5        | L                | 19                | C7-T4                    | Seizure disorder, dysphagia, vocal cord dysfunction |
| 64        | M      | 11/18/2003      | Posterior           | 18                           | Metastatic spindle-cell sarcoma       | 6        | R                | 20                | C7-T7                    | None                                                |
| 20        | M      | 10/31/2003      | Posterior           | 18                           | Metastatic paraganglioma              | 9        | L                | 15                | T10-L2                   | None                                                |
| 26        | F      | 7/5/2002        | Posterior           | 28                           | Ganglionic neuroblastoma              | 5        | R                | 25                | T5-T11                   | None                                                |
| 18        | F      | 4/24/2002       | Posterior           | 24                           | Clear-cell chondrosarcoma             | 9        | R                | 20                | T4-T10                   | None                                                |
| 24        | F      | 10/4/2000       | Posterior           | 46                           | Metastatic paraganglioma              | 7        | R                | 15                | T2-T7                    | None                                                |
| 41        | M      | 8/16/2002       | Posterior           | 24                           | Giant-cell tumor                      | 5        | L                | 23                | T3-L1                    | Temporary respiratory failure                       |
| 66        | M      | 5/5/2004        | Posterior           | 14                           | Chondrosarcoma                        | 5        | R                | 30                | C6-T5                    | Posterior rod failure/fx of rib                     |
| 68        | F      | 3/16/2004       | Posterior           | 15                           | Pancoast tumor                        | 5        | R                | 22                | T4-T7                    | None                                                |
| 27        | F      | 3/3/1994        | Anterior            | 50                           | Aneurysmal bone cyst                  | 10       | L                | 16                | T11-L1                   | Pulmonary embolism                                  |
| 47        | M      | 1/4/2000        | Anterior            | 25                           | Osteomyelitis                         | 7        | R                | 10                | T7-10                    | None                                                |
| 50        | M      | 6/16/1997       | Anterior            | 90                           | Osteomyelitis                         | 10       | L                | 12                | T11-L1                   | None                                                |
| 21        | M      | 2/9/2004        | Anterior            | 15                           | Congenital disease                    | 7        | L                | 5.5               | T7-T8                    | Infection                                           |
| 51        | F      | 1/24/1996       | Anterior            | 78                           | Implant failure                       | 11       | L                | --                | T11-L1                   | Incisional hernia                                   |
| 74        | M      | 5/29/2001       | Anterior            | 34                           | Trauma                                | 7        | L                | 6.5               | T9-T12                   | Infection, postoperative anemia                     |
| 48        | M      | 1/2/1998        | Anterior            | 24                           | Metastatic hypernephroma              | 10       | L                | 4.5               | T10-12                   | Deep vein thrombosis                                |

\*These patients died of metastatic leiomyosarcoma and epithelioid sarcoma, respectively, precluding longer follow-up.