## SSE SPINE TANGO

### Admission

<table>
<thead>
<tr>
<th>Question type</th>
<th>Only one answer allowed</th>
<th>Multiple answers allowed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Level of procedure</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper cervical</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Middle cervical</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower cervical</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cervicothoracic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cervico-thoraco-lumbar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thoracic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thoraco-lumbar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thoraco-lumbo-sacral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lumbar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sacral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coccyx</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Directions
- Use a #2 soft pencil for marking.
- Text answers must be entered with the web interface.
- All questions must be answered unless otherwise indicated.
- Completely fill in boxes to record answers.

### Question types
- Only one answer allowed
- Multiple answers allowed

### Level of procedure
- Upper cervical
- Middle cervical
- Lower cervical
- Cervicothoracic
- Cervico-thoraco-lumbar
- Thoracic
- Thoraco-lumbar
- Thoraco-lumbo-sacral
- Lumbar
- Sacral
- Coccyx

### Type of Fracture
- Posterior bony elements
- Vertebrae
- Sacrum
- Sacral
- Lumbosacral
- Lower lumbar
- Lower thoracic
- Central sacral
- Lumbosacral
- Thoracolumbar
- Thoracic
- Lumbar
- Sacral
- Coccyx

### Type of Pathology
- Degenerative disease
- Fracture/trauma
- Spondylolisthesis
- Infection
- Other

### Type of Deformity
- Kyphosis
- Lordosis
- Scoliosis
- Combined
- Other

### Type of Scoliosis
- Single curve
- Double curve

### Predominant etiology
- Idiopathic
- Congenital
- Neuromuscular
- Degenerative
- Other

### Type of Inflammation
- Infectious:
  - Pyogenic
  - Fungal
  - Tuberculous
- Others:
  - Spondylitis
  - Spondyloarthropathy
  - Spondylosis

### Tumor Type
- Primary
- Secondary
- Benign
- Malignant

### Type of Tumor
- Primary malignant
- Primary benign
- Secondary malignant
- Other

### Failed Surgery
- Non-union
- Instability
- Neurocompression
- Other

### Localization
- Vertebral body
- Posterior bony elements
- Extramedullary
- Intramedullary
- Intramedullary
- Other

### Additional Fractures
- Single fracture
- Multiple fractures

### Type of Treatment
- Surgical
- Conservative
- Other

### Type of Surgery
- Fracture/trauma
- Spondylolisthesis
- Degenerative
- Other

### Type of Spondylolisthesis
- Grade 0
- Grade I
- Grade II
- Grade III
- Grade IV

### Type of Degeneration
- Black disc
- Disc degeneration
- Disc herniation
- Spondylolisthesis

### Additional Pathology
- Type of degeneration
- Type of fracture/trauma
- Type of spondylolisthesis
- Type of inflammation
- Type of tumor

### Previous Treatment for Main Pathology
- None
- Surgical
- Conservative

### Previous Surgery at Same Level
- Yes
- No
- Partially

### Previous Spine Surgeries
- Yes
- No

### Comments regarding admission/other main pathology

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## Surgery

|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

### Goal of surgery

- [ ] pain relief
- [ ] functional improvement
- [ ] neurological improvement
- [ ] cosmetic improvement
- [ ] diagnostic measures
- [ ] other

### Anterior access

- [ ] no anterior access
- [ ] anterior
- [ ] anterior lateral
- [ ] cervicothoracic anterolateral
- [ ] cervicothoracic anterior w/ sternotomy
- [ ] thoracoscopic
- [ ] thoraco-pherrience-lumbothoract
- [ ] retroperitoneal
- [ ] transperitoneal
- [ ] other

### Posterior access

- [ ] no posterior access
- [ ] posterior
- [ ] posterolateral
- [ ] other

### Surgeon credentials

- [ ] specialized spine surgeon
- [ ] board certified orthopaedic surgeon
- [ ] board certified neurosurgeon
- [ ] orthopaedic surgeon in training
- [ ] neurosurgeon in training
- [ ] other

### Technology

- [ ] conventional endoscope
- [ ] MISS/LISS
- [ ] CASS
- [ ] loops
- [ ] microscope

### Tracking

<table>
<thead>
<tr>
<th>Tracking/component description</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] yes</td>
</tr>
<tr>
<td>[ ] no</td>
</tr>
</tbody>
</table>

### Implant

- [ ] anterior procedure(s)
  - [ ] no anterior procedure
  - [ ] anterior decompression
  - [ ] anterior fusion
  - [ ] anterior stabilization rigid
  - [ ] anterior stabilization motion preserving
  - [ ] anterior percutaneous procedure

### Anterior procedure(s)

- [ ] other

### Posterior procedure(s)

- [ ] no posterior procedure
- [ ] posterior decompression
- [ ] posterior fusion
- [ ] posterior stabilization rigid
- [ ] posterior stabilization motion preserving
- [ ] posterior percutaneous procedure

### Posterior procedure(s)

- [ ] other

### Implant used

- [ ] anterior percutaneous procedure
- [ ] anterior stabilization motion preserving
- [ ] anterior decompression
- [ ] anterior fusion

### Operation time

- [ ] < 1 hr.
- [ ] 1-2 hrs.
- [ ] 2-3 hrs.
- [ ] 3-4 hrs.
- [ ] 4-5 hrs.
- [ ] 5-6 hrs.
- [ ] 6-8 hrs.
- [ ] 8-10 hrs.
- [ ] > 10 hrs.

### Blood loss

- [ ] unknown
- [ ] > 1000 - 2000 ml
- [ ] > 500 - 1000 ml
- [ ] > 500 ml
- [ ] < 500 ml
- [ ] > 2000 ml

### Morbidity state

- [ ] unknown
- [ ] ASA1 (no disturbance)
- [ ] ASA2 (mild/moderate)
- [ ] ASA3 (severe)
- [ ] ASA4 (life threatening)
- [ ] ASA5 (moribund)

### Surgical Measures

**Only answer questions related to Anterior/Posterior Procedure(s).**

<table>
<thead>
<tr>
<th>Decompression</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] discectomy</td>
</tr>
<tr>
<td>[ ] vertebrectomy partial</td>
</tr>
<tr>
<td>[ ] vertebrectomy full</td>
</tr>
<tr>
<td>[ ] vertebral body replacement by cage</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fusion</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] ant. interbody fusion btw. adjacent vertebrae (ant. approach)</td>
</tr>
<tr>
<td>[ ] ant. interbody fusion btw. distant vertebrae (ant. approach)</td>
</tr>
<tr>
<td>[ ] ant. interbody fusion btw. adjacent vertebrae (post. approach)</td>
</tr>
<tr>
<td>[ ] interbody staibl. with cage (ant. approach)</td>
</tr>
<tr>
<td>[ ] interbody stabi. with cage (post. approach)</td>
</tr>
<tr>
<td>[ ] vertebral body replacement by cage</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stabilization rigid</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] plates</td>
</tr>
<tr>
<td>[ ] pedicle screws with rod</td>
</tr>
<tr>
<td>[ ] pedicle screws with plate</td>
</tr>
<tr>
<td>[ ] pedicle screws</td>
</tr>
<tr>
<td>[ ] transarticular screw</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stabilization motion preserving</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] other</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Percutaneous measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] facet block</td>
</tr>
<tr>
<td>[ ] root block</td>
</tr>
<tr>
<td>[ ] vertebroplasty</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fusion material</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] allogenic bone</td>
</tr>
<tr>
<td>[ ] autologous bone</td>
</tr>
<tr>
<td>[ ] bone substitute</td>
</tr>
<tr>
<td>[ ] cement</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other surgical measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] no</td>
</tr>
<tr>
<td>[ ] yes</td>
</tr>
</tbody>
</table>

### Surgeries

- [ ] none
- [ ] 1
- [ ] > 1

### Measures taken

- [ ] none
- [ ] conservative functional
- [ ] extended hospital stay
- [ ] other

### Status of Complications

- [ ] resolved
- [ ] improved
- [ ] persisting

### Comments regarding discharge

- [ ] none
- [ ] endoscope

### General complications

- [ ] none
- [ ] anaesthesiological
- [ ] cardiovascular
- [ ] pulmonary

### Surgical intervention/re-intervention

- [ ] hematoma evacuation
- [ ] re-implantation

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