



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 1 answer allowed multiple answers allowed

Internal Use Only
Not read by scanner

Last name		First name		Gender
Street			M.R.N.	
Country code	Zip code	City		
Occupation	Birthdate (DD.MM.YYYY)	Telephone		

Level of procedure

- upper cervical cervicothoracic thoracic thoraco-lumbo-sacral lumbo-sacral coccyx
 mid lower cervical cervico-thoraco-lumbar thoracolumbar lumbar sacral

Admission

Day 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
 Month 1 2 3 4 5 6 7 8 9 10 11 12 Year 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16

Main pathology Answer "same as stage I surgery" excludes questions "Specification of Main Pathology" and "Previous treatment for main pathology"

- same as stage I surgery deformity pathological fracture inflammation tumor
 degenerative disease fracture / trauma spondylolisthesis infection failed surgery other

Specification of Main Pathology Only answer questions related to Main Pathology (Main Pathology "other" requires no specification.).

Degenerative Disease	Type of degeneration	<input type="checkbox"/> black disc	<input type="checkbox"/> spondylarthrosis	Spondylolisthesis	Type of spondylolisthesis	<input type="checkbox"/> Type I (congenital, dysplastic)	<input type="checkbox"/> Grade 0	
	<input type="checkbox"/> disc degeneration	<input type="checkbox"/> spinal stenosis	<input type="checkbox"/> disc herniation		<input type="checkbox"/> adjacent segment degen.	<input type="checkbox"/> Type II (isthmic)	<input type="checkbox"/> Grade I	
Deformity	Type of deformity	<input type="checkbox"/> scoliosis	<input type="checkbox"/> combined	Inflammation	Type of inflammation	<input type="checkbox"/> inflammatory arthritis (seropos)	<input type="checkbox"/> Grade II	
	<input type="checkbox"/> kyphosis	<input type="checkbox"/> other	<input type="checkbox"/> single curve		<input type="checkbox"/> double curve	<input type="checkbox"/> seronegative arthritis	<input type="checkbox"/> Grade III	
(Pathological) Fracture/Trauma	Predominant etiology	<input type="checkbox"/> idiopathic	<input type="checkbox"/> posttraumatic	Infection	Infection specification	<input type="checkbox"/> pyogenic	<input type="checkbox"/> spondylitis	
	<input type="checkbox"/> congenital	<input type="checkbox"/> M. Scheuermann	<input type="checkbox"/> neuromuscular		<input type="checkbox"/> other	<input type="checkbox"/> parasitic	<input type="checkbox"/> other	<input type="checkbox"/> discitis
Degenerative Disease	Type of (pathological) fracture/trauma	<input type="checkbox"/> condylar (C0)	<input type="checkbox"/> C2 other fracture	Tumor	Type of tumor	<input type="checkbox"/> primary malignant	<input type="checkbox"/> vertebral body	
	<input type="checkbox"/> C0/1 dissoziation	<input type="checkbox"/> soft tissue injury neck	<input type="checkbox"/> C1 fracture		<input type="checkbox"/> fracture C3-L5/S1	<input type="checkbox"/> primary benign	<input type="checkbox"/> posterior bony elements	<input type="checkbox"/> extradural
Deformity	Dens fracture type	<input type="checkbox"/> C2 dens fracture	<input type="checkbox"/> other	Failed surg.	Specify type of tumor	<input type="checkbox"/> tumor like lesion	<input type="checkbox"/> intradural extramedullary	
	<input type="checkbox"/> C2 dens fracture	<input type="checkbox"/> other	<input type="checkbox"/> C3-L5/S1 AO fracture type		<input type="checkbox"/> A1 <input type="checkbox"/> B1 <input type="checkbox"/> C1	<input type="checkbox"/> other	<input type="checkbox"/> intradural intramedullary	<input type="checkbox"/> other
(Pathological) Fracture/Trauma	Pathological fracture due to ...	<input type="checkbox"/> osteoporosis	<input type="checkbox"/> old fracture	Failed surg.	Type of failed surgery	<input type="checkbox"/> non-union	<input type="checkbox"/> postop. infection	<input type="checkbox"/> frontal imbalance
	<input type="checkbox"/> tumor	<input type="checkbox"/> other	<input type="checkbox"/> fresh fracture		<input type="checkbox"/> instability	<input type="checkbox"/> implant failure	<input type="checkbox"/> other	<input type="checkbox"/> other
Degenerative Disease	Fracture age	<input type="checkbox"/> fresh fracture	<input type="checkbox"/> old fracture	Failed surg.	Type of failed surgery	<input type="checkbox"/> neurocompression	<input type="checkbox"/> sagittal imbalance	<input type="checkbox"/> L5 / S1
	<input type="checkbox"/> osteoporosis	<input type="checkbox"/> old fracture	<input type="checkbox"/> fresh fracture		<input type="checkbox"/> neurocompression	<input type="checkbox"/> sagittal imbalance	<input type="checkbox"/> L5 / S1	<input type="checkbox"/> L5 / S1

Comments regarding main pathology:

Most severely affected segment/vertebral body

- | | | | | | | |
|--|---------------------------------|-----------------------------------|----------------------------------|------------------------------------|------------------------------------|--|
| <input type="checkbox"/> not applicable/assessable | <input type="checkbox"/> C3 | <input type="checkbox"/> C7 | <input type="checkbox"/> Th4 | <input type="checkbox"/> Th8 | <input type="checkbox"/> Th12 | <input type="checkbox"/> L4 |
| <input type="checkbox"/> unknown | <input type="checkbox"/> C3 / 4 | <input type="checkbox"/> C7 / Th1 | <input type="checkbox"/> Th4 / 5 | <input type="checkbox"/> Th8 / 9 | <input type="checkbox"/> Th12 / L1 | <input type="checkbox"/> L4 / 5 |
| <input type="checkbox"/> C0 | <input type="checkbox"/> C4 | <input type="checkbox"/> Th1 | <input type="checkbox"/> Th5 | <input type="checkbox"/> Th9 | <input type="checkbox"/> L1 | <input type="checkbox"/> L5 |
| <input type="checkbox"/> C0 / 1 | <input type="checkbox"/> C4 / 5 | <input type="checkbox"/> Th1 / 2 | <input type="checkbox"/> Th5 / 6 | <input type="checkbox"/> Th9 / 10 | <input type="checkbox"/> L1 / 2 | <input type="checkbox"/> L5 / S1 |
| <input type="checkbox"/> C1 | <input type="checkbox"/> C5 | <input type="checkbox"/> Th2 | <input type="checkbox"/> Th6 | <input type="checkbox"/> Th10 | <input type="checkbox"/> L2 | <input type="checkbox"/> S1 |
| <input type="checkbox"/> C1 / 2 | <input type="checkbox"/> C5 / 6 | <input type="checkbox"/> Th2 / 3 | <input type="checkbox"/> Th6 / 7 | <input type="checkbox"/> Th10 / 11 | <input type="checkbox"/> L2 / 3 | <input type="checkbox"/> sacrum (S2-5) |
| <input type="checkbox"/> C2 | <input type="checkbox"/> C6 | <input type="checkbox"/> Th3 | <input type="checkbox"/> Th7 | <input type="checkbox"/> Th11 | <input type="checkbox"/> L3 | <input type="checkbox"/> coccyx |
| <input type="checkbox"/> C2 / 3 | <input type="checkbox"/> C6 / 7 | <input type="checkbox"/> Th3 / 4 | <input type="checkbox"/> Th7 / 8 | <input type="checkbox"/> Th11 / 12 | <input type="checkbox"/> L3 / 4 | |

Extent of lesion

- 1 segment/vertebral body 2-3 segments/vertebral bodies 4-5 segments/vertebral bodies >5 segments/vertebral bodies

Previous treatment for main pathology

- none surgical < 3 mon. conservative 3-6 mon. conservative 6-12 mon. conservative > 12 mon. conservative

Surgeon Assistant

Surgery

Day (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31)
 Month (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) Year (00) (01) (02) (03) (04) (05) (06) (07) (08) (09) (10) (11) (12) (13) (14) (15) (16)

SURGICAL PROCEDURE

Surgeon credentials

- specialized spine
- board cert. orthopaedic
- board certified neuro
- orthopaedic in training
- neuro in training
- other

Goal of surgery

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

Morbidity state

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

Anterior access

- no anterior access
- transoral
- anterior
- anterolateral
- cervicothorac. anterolat.
- cervicothorac. a.lat. w/sternotomy

Posterior access

- no posterior access
- midline
- paramedian
- posterolateral
- other

Technology

- conventional
- MISS/LISS
- loops
- microscope

Blood loss

- unknown
- none
- < 500 ml
- 500 - 1000 ml
- 1000 - 2000 ml
- > 2000 ml

Operation time

- unknown
- < 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.

Components

- yes
- no

Component description

Not needed if SEDICO implant tracking is used.

Supplier: Article No:

Article name:

Surgical Measures

Decompression

- none
- anterior } specify ...
- posterior } specify ...
- Choose at least one!*
- discectomy
- vertebrectomy partial
- vertebrectomy full
- other
- osteotomy
- laminotomy
- hemi-laminectomy
- laminectomy
- facet joint resection partial
- facet joint resection full
- flavectomy
- foraminotomy
- sequestrectomy

Fusion

- none
- anterior } specify ...
- posterior } specify ...
- Choose at least one!*
- ant. interbody fus. btw. adjct. vertebrae (ant. appr.)
- ant. interbody fus. btw. adjct. vertebrae (post. appr.)
- ant. interbody fus. btw. dist. vertebrae (ant. appr.)
- ant. interbody fus. btw. dist. vertebrae (post. appr.)
- posterolat. fusion
- posterior fusion
- other
- none
- bone subst.
- autol. bone
- cement
- allog. bone
- other

Stabilization rigid

- none
- anterior } specify ...
- posterior } specify ...
- Choose at least one!*
- interbody stabil. with cage (ant. approach)
- interbody stabil. with cage (post. approach)
- vertebral body replacement by cage
- plates
- pedicle screws with rod
- pedicle screws with plate
- facet screws
- transarticular screw
- laminar hooks with rod
- pedicle hooks with rod
- lateral mass screw with rod
- lateral mass screw with plate
- odontoid screws
- other

Stabil. motion preserving

- none
- anterior } specify ...
- posterior } specify ...
- Choose at least one!*
- disc replacement
- dynamic stabilizat.
- other
- none
- post. } specify ...
- Choose one!*
- facet block
- root block
- discography
- vertebroplasty
- kyphoplasty
- other

Other surgical measures

- no
- yes } specify ...
- Choose one!*

Surgical notes

Discharge

(Answer "none" in both "Surgical" and "General complications" excludes all remaining questions.)

Surgical complications

- none
- wrong level
- nerve root damage
- cauda equina damage
- spinal cord damage
- bleeding in spinal canal
- bleeding outside spinal canal
- malposition of implant
- duralesion
- wound infection
- implant failure
- other

General complications

- none
- anaesthesiological
- cardiovascular
- pulmonary
- cerebral
- kidney/urinary
- liver/GI
- death
- other

Measures taken

- none
- intervention during surgery
- re-intervention after surgery
- conservative medical
- conservative functional
- extended hospital stay
- other

Surgical intervention/re-intervention

- none
- hematoma evacuation
- abscess drainage
- metal removal
- re-implantation
- refusion
- suture
- other

Comments regarding discharge

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