

## Report Sagittal standing

celik, tarik, 23/07/1997

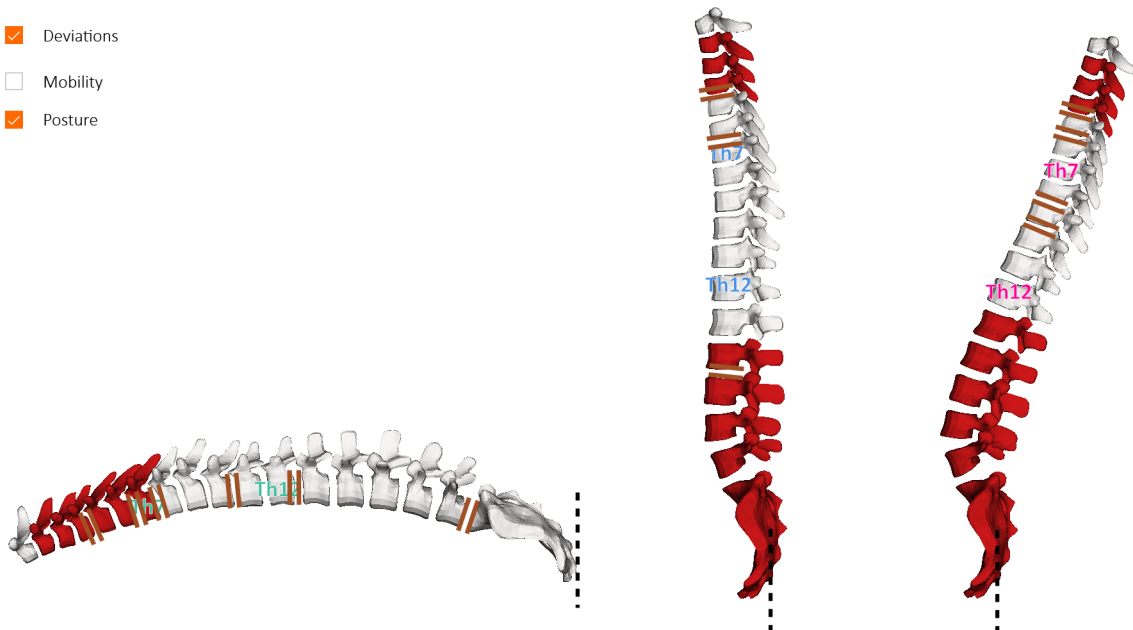
Assessment Date: 18/02/2019 10:16 AM

### 3D spine - Sagittal

Regional angles Segmental angles

All values in degree [°]

- ☒ Deviations
- ☐ Mobility
- ☒ Posture

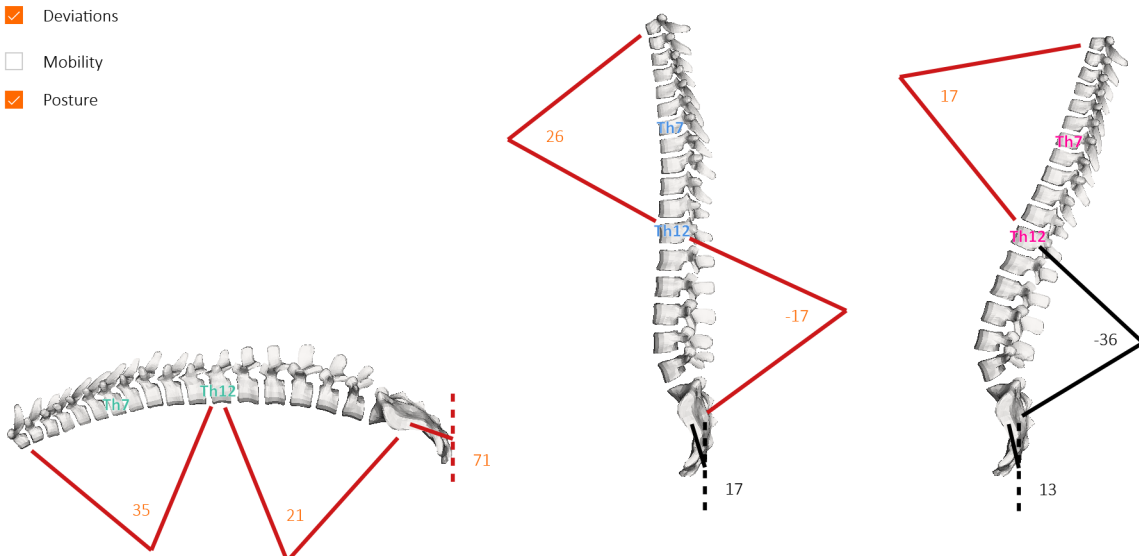


### 3D spine - Sagittal

Regional angles Segmental angles

All values in degree [°]

- ☒ Deviations
- ☐ Mobility
- ☒ Posture



## Upright

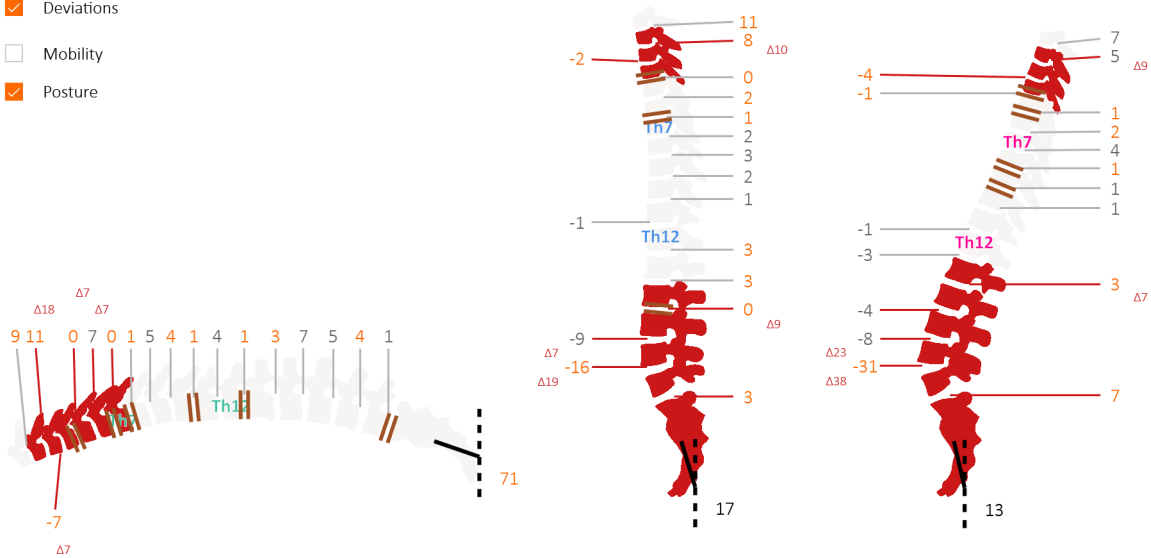
- ⚠ Flat thoracic spine
- ⚠ Flat lumbar spine
- Hip tilt within reference values
- Inclination within reference values

## 3D spine - Sagittal

Regional angles Segmental angles

All values in degree [°]

- ☒ Deviations
- ☐ Mobility
- ☒ Posture



## Flexion

- ⚠ Dissolved kyphosis in some segments
- ⚠ Uneven curve distribution within individual segments

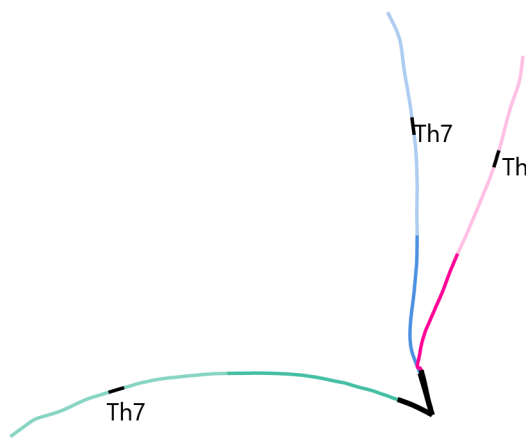
## Upright

- ⚠ Thoracic: Local hyperkyphosis in some segments
- ⚠ Uneven curve distribution within segments of thoracic spine
- ⚠ Lumbar: Local hyperlordosis in some segments
- ⚠ Dissolved lordosis in some lumbar segments
- ⚠ Uneven curve distribution within segments of lumbar spine

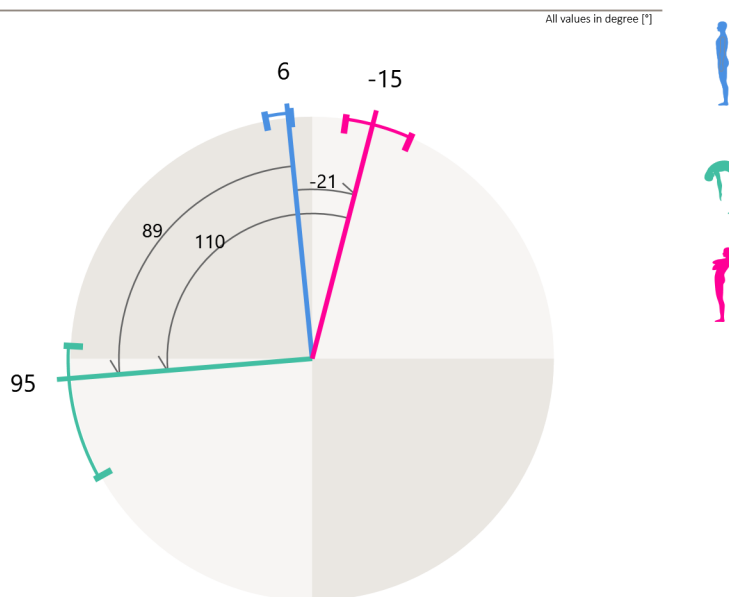
## Extension

- ⚠ Dissolved lordosis in some segments

## Back outline - Sagittal



## Inclination - Sagittal





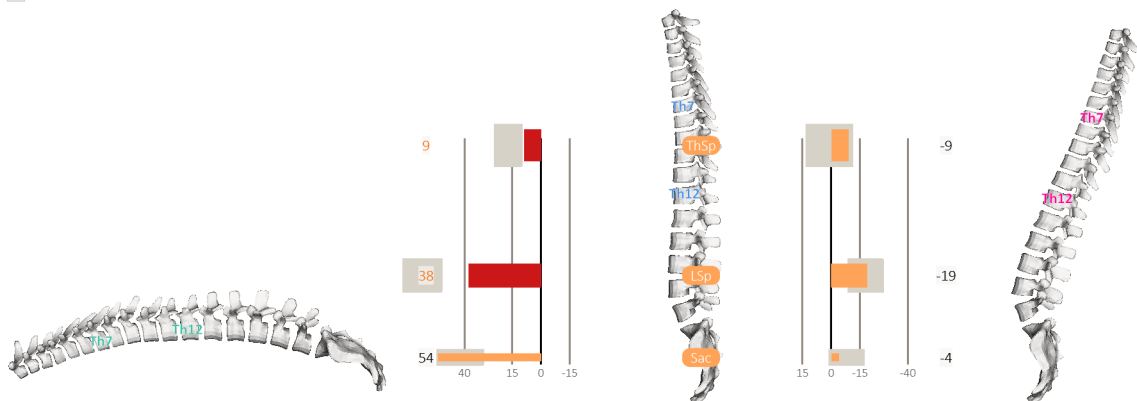
## 3D spine - Sagittal

Regional angles Segmental angles

All values in degree [°]

- ☒ Deviations
- ☒ Mobility
- ☐ Posture

Upright - Flexion Upright - Extension



Upright - Flexion

- △ Hypomobility of thoracic spine
- △ Hypomobility of lumbar spine
- Normal ROM of hip
- Normal ROM of entire spine

Upright - Extension

- Normal ROM of lumbar spine
- Normal ROM of hip
- Normal ROM of entire spine

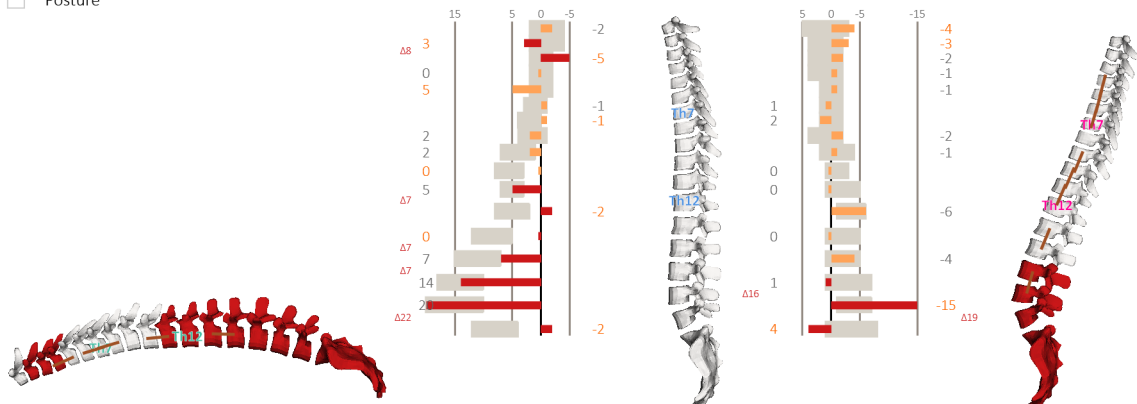
## 3D spine - Sagittal

Regional angles Segmental angles

All values in degree [°]

- ☒ Deviations
- ☒ Mobility
- ☐ Posture

Upright - Flexion Upright - Extension



Upright - Flexion

- △ Uneven distribution of ROM between segments
- △ Paradox motion of some segments (e.g. motion into wrong direction)

Upright - Extension

- △ Uneven distribution of ROM between segments
- △ Paradox motion of some segments (e.g. motion into wrong direction)











Table - Sagittal

All values in degree [°]

Segment	Posture			Mobility		
Th1/2	11	9	7	-2	-4	2
Th2/3	8	11	5	3	-3	6
Th3/4	-2	-7	-4	-5	-2	-3
Th4/5	0	0	-1	0	-1	1
Th5/6	2	7	1	5	-1	6
Th6/7	1	0	2	-1	1	-2
Th7/8	2	1	4	-1	2	-3
Th8/9	3	5	1	2	-2	4
Th9/10	2	4	1	2	-1	3
Th10/11	1	1	1	0	0	0
Th11/12	-1	4	-1	5	0	5
Th12/L1	3	1	-3	-2	-6	4
L1/2	3	3	3	0	0	0
L2/3	0	7	-4	7	-4	11
L3/4	-9	5	-8	14	1	13
L4/5	-16	4	-31	20	-15	35
L5/S1	3	1	7	-2	4	-6
<b>Regional</b>						
Sac/Hip	17	71	13	54	-4	58
ThSp Th12	26	35	17	9	-9	18
LSp Th12	-17	21	-36	38	-19	57
Incl	6	95	-15	89	-21	110
Length [mm]	543	597	502	54	-41	95

Table - Sagittal

All values in degree [°]

Segment		Posture								Mobility									
																			
Segmental	Th1/2	1	11	7	1	9	5	2	7	8	-4	-2	2	-3	-4	5	-5	2	1
	Th2/3	3	8	7	2	11	6	3	5	9	-4	3	2	-2	-3	4	-5	6	2
	Th3/4	3	-2	7	3	-7	7	3	-4	9	-2	-5	2	-2	-2	4	-4	-3	2
	Th4/5	3	0	7	3	0	7	3	-1	9	-2	0	2	-2	-1	4	-4	1	2
	Th5/6	3	2	7	3	7	7	3	1	7	-2	5	2	-2	-1	2	-2	6	2
	Th6/7	3	1	7	4	0	8	3	2	7	-1	-1	3	-2	1	2	-2	-2	4
	Th7/8	2	2	6	4	1	9	2	4	6	0	-1	4	-2	2	2	-1	-3	5
	Th8/9	2	3	6	4	5	8	3	1	8	-1	2	4	-2	-2	4	-2	4	4
	Th9/10	1	2	5	5	4	9	-1	1	5	1	2	7	-4	-1	2	2	3	8
	Th10/11	-1	1	3	4	1	8	-2	1	2	3	0	8	-3	0	1	3	0	9
	Th11/12	-2	-1	2	3	4	7	-5	-1	1	3	5	7	-5	0	1	4	5	10
	Th12/L1	-2	3	2	3	1	8	-6	-3	0	2	-2	8	-6	-6	-1	4	4	11
L1/2	-6	3	0	4	3	9	-8	3	-2	5	0	12	-5	0	1	7	0	15	
L2/3	-8	0	-2	3	7	9	-11	-4	-3	7	7	15	-5	-4	1	8	11	18	
L3/4	-10	-9	-4	4	5	10	-14	-8	-5	10	14	18	-7	1	1	12	13	22	
L4/5	-10	-16	-3	5	4	11	-15	-31	-7	10	20	20	-7	-15	-1	13	35	25	
L5/S1	-11	3	-1	-2	1	6	-17	7	-3	4	-2	12	-8	4	1	6	-6	18	
Regional	Sac/Hip	6	17	20	40	71	70	-3	13	13	30	54	54	-17	-4	1	34	58	66
	ThSp Th12	35	26	47	51	35	65	31	17	53	10	9	24	-11	-9	13	4	18	28
	LSp Th12	-36	-17	-20	25	21	43	-56	-36	-36	52	38	72	-27	-19	-9	66	57	94
	Incl	5	6	11	87	95	119	-24	-15	-8	78	89	112	-32	-21	-16	98	110	140
	Length [mm]		543			597			502			54			-41			95	



## Expert mode

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### ⌵ Posture

#### ⌵ Regional

- ! Flat thoracic spine
- ! Flat lumbar spine
- ✓ Hip tilt within reference values
- ✓ Inclination within reference values

#### ⌵ Local (segmental)

- ! Thoracic: Local hyperkyphosis in some segments
- ! In upright posture: Uneven curve distribution within segments of thoracic spine
- ! In flexed posture: Dissolved kyphosis in some segments
- ! In flexed posture: Uneven curve distribution within individual segments
- ! Lumbar: Local hyperlordosis in some segments
- ! In upright posture: Dissolved lordosis in some lumbar segments
- ! In upright posture: Uneven curve distribution within segments of lumbar spine
- ! In extension: Dissolved lordosis in some segments

### ⌵ Spine mobility

#### ⌵ Regional

- ! U-F: Hypomobility of thoracic spine
- ! U-F: Hypomobility of lumbar spine
- ✓ U-E: Normal ROM of lumbar spine
- ✓ U-F: Normal ROM of hip
- ✓ U-E: Normal ROM of hip
- ✓ U-F: Normal ROM of entire spine
- ✓ U-E: Normal ROM of entire spine

#### ⌵ Local (segmental)

- ! U-F: Uneven distribution of ROM between segments
- ! U-F: Paradox motion of some segments (e.g. motion into wrong direction)
- ! U-E: Uneven distribution of ROM between segments
- ! U-E: Paradox motion of some segments (e.g. motion into wrong direction)

### ⌵ Postural competence

#### ⌵ Regional

#### ⌵ Local (segmental)

## Notes

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