

Simple mechanism

No need for external actuator

Only 3 sub-components mechanism

- Ratchet Rod, implant body and ring

Minimal metal / metal interfaces

Multi directionnal Locking screw access

- Left, right, upwards , downwards position

Low profile below skin

Reduced length

- Large rod length available for bending
- Lumbar Positionning

No planned implant removal

Implant removal is not necessary when bone maturity is reached , correction is properly maintained and patient remains symptoms free.

Progressive ankylosis and fusion is happening with time

Standard extensively used biocompatble materials (Titanium and PEEK)

No intereference with electrical devices

Compatible MRI and CT Scan



NEMOST®

Growing Device



CE Since July 2013

Uni directional expandable growth guidance device

- Passive automatic elongation : Normal Growth
- Active elongation : External traction

No iterative elongation surgeries

Growth potential & correction maintenance

2 sizes of growth reserves

- 50mm
- 80mm

Continuous expansion

- No planned visits for elongation
- Device works « daily »
- Minimally Invasive Bipolar implantation technique
 - avoids spontaneous auto fusion

Bilateral implantation

- Automatic asymmetrical growth (pelvic obliquity)

Device expansion :

- Normal spine growth
- Visco elastic elongation of the spine

Device locks the rod to prevent construct collapse

No external brace required

Case
SMA
7Y old

