

BENEFITS of THERAPEUTIC POSITIONING in LYING to SUPPORT POSTURE during REST & SLEEP

Body Symmetry Improvements

Symmetry

- 85% reported improvement/significant improvement in ability to lie straight⁵

Hip Dislocations

- From 26% right hip and 21% left hip migration, to both hips being deemed “in joint and normal” after 2 years of positioning in lying^{4,5}
- Statistically significant difference of hip migration (via x-ray) between those who used postural support systems and those who did not^{7,8}

Ribcage

- Left/right ratio: Statistically significant improvement of 53 participants⁶
- Depth/width ratio: 64% of 53 participants experienced improvement⁶

Secondary Impacts

Delay/Prevention of Surgery & Medical Care¹

- Decreased risk of pressure injuries¹
- Risk of infection following surgery¹
- Increased alignment/systematic health decreased need for spinal surgeries¹

Benefits for Caregiver/Parent

- Active participation in user/child’s condition⁶
- Empowers caregiver as they learn to protect and enhance the user’s health and well-being¹

If **body becomes more symmetrical** over time, with 24/7 posture care management, additional benefits could occur:

- Respiration²
- Digestive Health⁴
- Circulation⁴
- Sitting Tolerance/Comfort
- Ease of Transfers

If **sleep quality improves**, additional benefits may be observed:

- Daytime Alertness³
- Focus/Attention³
- Memory³
- Emotional regulation³

Health Benefits

Sleep Quality

- 68% of participants experienced increased sleep quality during 6-9 months of positioning system use⁶

Skin/Tissue Health

- Decreased risk for pressure injuries
- Improvement or significant improvement in pressure of 62% of cases⁵

Symptom & Functional Improvements

Pain

- Of 45 individuals with mod-severe pain, 65% of participants experienced statistically significant reduction after 6-9 months of positioning system use⁶
- 67% of parents reported that after a year of therapeutic positioning in lying, pain was less or much less than before^{4,8}
- Overall comfort improved or significantly improved in 69% of cases⁵

Decreased Tone/Spasms

- 68% of parents reported that after a year of therapeutic positioning in lying, muscle tone was more or much more relaxed than before⁴
- Improvement or significant improvement in spasms for 62% of cases⁵

Ease of Personal Care/Hygiene

- 46% reported improvement or significant improvement in completing personal care (remaining responses reported no change or not applicable)⁵
- Increased “ease of access” for personal care⁸

Need for Repositioning during Night

- 54% reported reduced or significantly reduced need to reposition throughout night⁵

Overall Engagement in Life⁵

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