



CASE STUDY:

Stuart's Story

Stuart was born 3 months prematurely. He had several medical difficulties which kept him in hospital long term. He was unable to consume food and required a tube in his neck to help him breathe.

daytot neo⁺

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Stuart had a very extended posture causing him to always lie on his side, this affected him developing. He got stuck in this position and was unable to look around, interact or move well.

Difficulties included:

- Asymmetry.
- Unable to keep head in midline or move it to either side.
- Visual difficulties, eyes looking vertically.
- Frantic limb movements without purpose.
- Poor tolerance sitting in car seat.

The Neo+ was used to support Stuart in a midline position (Fig 2) by supporting his trunk, tilting his pelvis posteriorly and supporting his shoulders allowing him to rest in a flexed position ensuring a good starting point for movement. This allowed Stuart to strengthen his core and begin to explore and develop from a more normal position.

Goals:

- To fix and follow an object left to right with a chin tuck.
- Maintain a curled position with a chin tuck for 1 minute when unsupported.
- Reach for a toy when in Neo+ on his back.
- Lie on his back unsupported, under a baby gym, for 5 minutes.
- Tolerate supported sitting without pushing back.

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For further information visit:

www.daytotjourneys.com/daytot-neo



Fig 1: Unsupported in cot



Fig 2: Supported with Neo+

After 6 weeks using the system, in the Neo+ Stuart was able to;

- Stay relaxed in a midline position with a chin tuck and turn his head from side to side.
- Fix and follow.
- Lie for short periods on his side unsupported with a good posture.
- Beginning to roll to either side.
- Tolerating sitting position without extending.

The Neo+ was used for 3 months altogether and then no longer required as unsupported he was able to:

- Maintain a chin tuck.
- Roll to either side.
- Isolate lower limbs and actively extend on his back and during tummy time showing good control of his movement.
- Reach for toys in lying and sitting.

