



Objective

After viewing a clinical case example, the learner will be able to defend the choice of the TIMP for assessment, parent education, home program prescription and to measure change in motor performance over time





Case Example: Joey

- Using the TIMP to identify delay
- Using the TIMP for parent education about development
- Using the TIMP to plan intervention and for home program prescription
- Using the TIMP to measure change in motor performance over time

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Joey's Birth History

- DOB: 10-27-2014
- EDD: 12-7-2014
- EGA @ Birth: 34 weeks 1 day
- Born via vaginal delivery after induction due to HELLP syndrome
- BW= 1700 grams

Neonatal History

- Prematurity
- RDS
- Suspected sepsis
- Hyperbilirubinemia

Joey's Early Intervention Journey

- Discharged home 11-17-14
- Stopped breathing after one week at home requiring CPR
- Referred to EI by pediatrician due to prematurity and head asymmetry
- Intake evaluation/assessment through Illinois EIP took place on 3-4-15 with Peabody Developmental Motor Scales-2
- Began physical therapy 3-18-14 with TIMP
- Mom reported that her concerns included lack of head control, head preference to the right, flat head and strong dislike for tummy time

Joey's Initial TIMP Scores

Raw Score	Classification	Z-Score	Percentile Rank	Age Equivalent Score	Percent Delay
99	Low Average	-.64	Just < 16 th Percentile	11 Weeks	21%

- Scores frequently lowered for being off the midline
- Very intolerant of prone but scored well on those items

Using the TIMP for Treatment Planning & Parent Education
(Zawacki & Campbell 2007)

- Circle the photos on the TIMP that you want families to work on with their infants
- Visual tracking to the left
- Upright head control rotating to the left
- Facilitated rolling to the left
- Tummy time items
- Turn to sound to the left

Visually Tracking Parent Encouraging Left Rotation

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Facilitation of Neck Rotation to the Left with Visual Tracking

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Facilitation of Rolling to the Left

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Tummy Time Items

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Additional Treatment & Parent Education

- Parent education about tummy time
- Parent education to minimize equipment use
- Problem solving with parents about sleep positions
- Parent education about bone growth and positional plagiocephaly
- Parent education about torticollis and appropriate stretching

Reflections from Joey's Parents

- They did not realize that there was so much science behind how babies move
- TIMP helped them see Joey as a strong and capable baby rather than a fragile premature baby
- Loved to see the nearly immediate improvement in Joey's neck rotation and head shape with a simple home program
- Proud to see how his scores improved with just a month of intervention

Watch Joey's follow up TIMP video



- Don't worry about scoring
- Focus on overall flow and usefulness of the TIMP to teach parents about infant motor development
- Focus on parents and how to explain the purpose of the items to them
- Note that emphasis is on improvements and what Joey can do

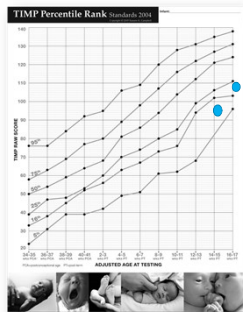
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Joey's Re-test TIMP Scores

Raw Score	Classification	Z-Score	Percentile Rank	Age Equivalent Score	Percent Delay
108	Below Average	-.75	Just < 25 th Percentile	13 Weeks	24%

- At 17 weeks corrected age, scores on head turning items more symmetrical but overall delay about the same
- More tolerant of prone but still fusses when placed there. Weight is still forward which lessens his ability to control his head while on tummy. Needs more work.
- Improved head and trunk control on several items but note effects of torticollis are still visible in different responses to the two sides in rolling items
- Provides basis for demonstrating improvement but also need for continued therapy



Current Update for Joey



- As of 6-3-15 Joey was scoring in the average range (25-50th Percentile) on the Alberta Infant Motor Scale (AIMS)
- Family moved and put services on hold while living with in-laws
- Recently began therapy again near new home and had Joey fitted for a helmet for mild plagiocephaly
