

## Summary of the Duke study and their findings:

### Control Group

### Study Group

65 premature infants

30 premature infants

#### Age at birth:

<32 weeks

<32 weeks

#### Head positioning :

Use of conventional therapy

Use of Turtle Midliner

#### Measurements:

Cranial Index weekly

Cranial Index weekly

#### Demographics, comorbidities

Same as study group

Same as control group

## RESULTS:

Incidence of dolichocephaly: Using Cranial Index of 76% or greater as normal

#### 32 weeks:

15/38 (40%)

2/25 (8%)

#### 33 weeks:

6/18 (33%)

2/23 (9%)

#### 34 weeks:

2/4 (50%)

3/24 (12.5%)

<u>Control group</u>	<u>Study Group</u>
<u>Using Cranial Index averages :</u>	

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Baseline Cranial Index:

80%

79%

After 5.5 weeks Cranial Index:

77%

79%

**Using both methods of evaluations of data there was a statistically significant difference between the two groups. Overall, infants using Turtle Midliner had better cranial molding outcomes compared to the infants who received conventional care.**