

소아재활

게시일시 및 장소 : 10 월 19 일(토) 08:30-12:30 Room G(3F)

질의응답 일시 및 장소 : 10 월 19 일(토) 11:00-11:30 Room G(3F)

## **P 3-26**

### **Efficacy of language profiles in Bayley-III scales as a screening test in infants and toddlers**

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#### **Introduction**

The aim of this work is to test the usefulness of language scale of Bayley-III scales for screening tools compared with Sequenced Language Scale for Infants (SELSI) test, and to investigate whether the developmental delay of the cognition and adaptive behavior of infants and toddlers who addressed language delay by comparing the language scale with the cognitive and adaptive behavioral scale of Bayley-III scales.

#### **Method**

Spearman's correlation coefficients were calculated for comparisons expressive language and the receptive language developmental age in SELSI test and the expressive language and receptive language developmental age in Bayley-III scales respectively. Also, Bayley's scaled score of expression language and receptive language was compared with the scaled scores of Social-Emotional and Adaptive Behavior.

#### **Results**

There was a significant correlation between the receptive language and the expressive language in the SELSI test and the receptive language and the expressive language in Bayley-III scales, respectively ( $r=0.773$ ,  $p<0.001$ ;  $r=0.817$ ,  $p<0.001$ ). Additionally, the receptive language and the expressive language in the SELSI test showed significant correlations with cognitive scale( $r=0.779$ ,  $p<0.001$ ;  $r=0.592$ ,  $p=0.002$ ), social emotional scale (III ( $r=0.470$ ,  $p=0.021$ ;  $r=0.439$ ,  $p=0.032$ ), and adaptive behavior scale ( $r=0.408$ ,  $p=0.048$ ;  $r=0.558$ ,  $p=0.005$ ) of the Bayley-III.

#### **Discussions and conclusion**

Language scales of the Bayley-III are useful instrument for screening of language delay in the children less than 42 months old. In addition, it was found that the developmental delay of cognition and adaptation behavior can be seen in children who have behind language.