Adaptation and Validation of the Verbal Comprehension Index (VCI) Subtests of WISC-IV UK in Pakistan

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The current research aimed at adaptation and validation of the Verbal Comprehension Index (VCI) subtests of WISC-IV (Wechsler, 2004) in Pakistan. Study-I was concerned with the adaptation of VCI subtests. Initially problems in the items of original VCI subtests regarding the difficulty level and cultural relevance were identified. Then five items of vocabulary and four items of information subtests were replaced. Afterwards, item functioning and psychometric strength of the adapted Verbal Comprehension Index (VCI-P) subtests was assessed. Study-II (n = 801) was concerned with the establishment of reliability and validity evidence for the VCI-P. The stability coefficients ranged from .79 to .98, while alpha reliability coefficients ranged from .72 to .88. Structural validity was established through inter-subtests correlations (ranging from .63 to .78) and subtest-total correlations while factorial validation resulted in existence of a single factor.

Keywords: adaptation, validation, item functioning, psychometric strength.