

Running Head: CLINICAL ASSESSMENT

The preliminary study of concept formation and reasoning ability of patients with  
schizophrenia by Raven's Progressive Matrices

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## Abstract

The concept formation and reasoning ability of patients with schizophrenia and normal control was assessed by Raven's Standard Progressive Matrices (RSPM). Total of 44 Chinese participants with 22 patients and 22 normal controls were assessed. In order to study the cognitive deficit, especially concept formation and reasoning ability, of patients with schizophrenia, this is a preliminary study preparing for future investigation. There are five important findings: 1) patients with schizophrenia showed lower RSPM score than that of control group, 2) schizophrenic patients and intact people' scores did not support significant difference in both in figural, gestalt perception and analytic and analogical ability, 3) male participants did not scored higher than females, 4) the duration of being diagnosed as paranoid schizophrenic patients did not affect the RSPM performance, 5) the amount of received education positively correlated with RSPM scores suggesting higher concept formation and educative ability of more educated persons.

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