The background features several large, overlapping, colorful swirls in shades of purple, green, and blue. Scattered throughout are numerous small, yellow, triangular shapes, some pointing upwards and some downwards, resembling confetti or starbursts.

Engagement on Adolescent Substance Abusers with Occupational Therapists

Hung Hoi Yan, Agnes
Occupational Therapist (II)
Tung Wah Group of Hospitals
21.1.2010

OT role

- Provides assessors' training on assessment tools
- Provides consultation to assessors

Assessment tools

- Perdue Pegboard Dexterity Test
- The Rivermead Behavioral Memory Test (second edition)

Perdue Pegboard Dexterity Test

- **Developed by:**

- Joseph Tiffin, Ph.D., an Industrial Psychologist at Purdue University in 1948

- **Aims:** selection of employees for industrial jobs

- **Application:**

- Presence of brain damage
 - Presence of learning disability
 - Candidates for vocational rehabilitation

- **Measurements:**

- gross movements of hands, fingers and arms
 - fine fingertip dexterity

- **Standardized test**

Perdue Pegboard Dexterity Test

Five subtests :

1- Right hand

2- Left hand

3- Both hands

4- Right plus left plus both hands
(R+L+B)

5- Assembly

- Three test trials highly recommended
- In consecutive order except left handed subjects

Perdue Pegboard Dexterity Test

- **Equipment required**

- Instruction manual
- Test board
- Pins, collars, washers
- Score sheets
- Stop watch

- The subject must be seated throughout the assessment

The background features several large, overlapping, curved shapes in shades of purple, green, and blue. Interspersed among these are numerous small, yellow, triangular shapes pointing in various directions, creating a dynamic and celebratory feel.

Perdue Pegboard Dexterity Test

Demonstration

Perdue Pegboard Dexterity Test

- **Interpretation and scoring**

- Percentile scale

- Verbal scale

- Poor

- Low average

- Average

- High average

- Excellent

The Rivermead Behavioral Memory Test

- **Developed by:**

- Barbara A Wilson, Janet Cockburn and Alan Baddeley, 2003

- **Purpose:**

- Detect impairment of every day memory functions and to monitor change following treatment for memory difficulties

- **Population:**

- Adolescent & adults

- **Administration:**

- Individual 25 to 30 minutes

The Rivermead Behavioral Memory Test

- **Subtests:**


- Remembering an appointment
- Remembering a short route
- Remembering a belonging
- Remembering to deliver a message
- Picture recognition Orientation
- Story recall: immediate and delayed
- Remembering a name
- Face recognition

The Rivermead Behavioral Memory Test

- Good reliability
- 12 sub-test covering a range of every day capabilities
- 4 parallel versions to avoid practice effects due to repeated testing

The Rivermead Behavioral Memory Test

- Equipment required:
 - Manual
 - Scoring sheet
 - Timer
 - Stimulus books
 - Envelope marked “message”



**The Rivermead Behavioral
Memory Test
Demonstration**

The Rivermead Behavioral Memory Test

- **Interpreting the scores**

- Screening score-pass/fail (篩選分數)
- Standardized profile score (標準分數)

- **Level of memory functions**

- Normal
- Poor memory
- Moderately impaired
- Severely impaired

Suggested exercises and methods for clients' recovery

Perdue Pegboard Dexterity Test

Possible problems found:

- gross movements of hands, fingers and arms
- fine fingertip dexterity
- Bilateral hands coordination

Suggested exercises and methods for clients' recovery

- Remedial activities
- Vocational rehabilitation
- Supportive employment

Suggested exercises and methods for clients' recovery

The Rivermead Behavioral Memory Test

Possible problems found:

- Remember a name, an appointment
- Picture recognition
- Face recognition
- Following a route
- Taking and delivering a message
- Orientation and date

Suggested exercises and methods for clients' recovery

- Compensatory techniques
 - Notebook, diary, PDA
- Categorization
- Association
- Repetition
- Chunking
- Mental imagery



Thank you