Metaphor Training Program

References:

Stimulus items

- Words
- Word association
- Metaphors

**Task I: Judgments of Single Word Connotative Meaning**

- **Rationale:** To illustrate and practice thinking about connotative meaning.
- **Task:** Patient is familiarized with computer display and answers yes/no questions about 10 words.

**TASK I Familiarization**

A. Is this word typically considered "endearing"?
B. Is this word typically considered "strong"?
C. Is this word typically considered "active"?
D. Is this word typically considered "passive"?

Tiger
**TASK I**  
**Familiarization**

A. Is this word typically considered "beautiful"?
B. Is this word typically considered "strong"?
C. Is this word typically considered "active"?
D. Is this word typically considered "passive"?

---

**Task II: Judgments of Word Associations**

- **Rationale:** Illustrate and practice assessing typical associations.
- **Task:** Patient sees a target word and 5 possible associations, and must say whether the association is appropriate or not.

```
Tiger
- stripes
- grey
- fierce
- metal

Boxer
- flower
- apple
- stripe
- blood
```

---

**Task III: Generation of Word Associations**

- **Rationale:** Practice generating 5 words associated with a target.
- **Task:** Patient must generate 5 associations to fill empty bubbles linked to a target word contained within the inner bubble.

---

**TASK III**

- I want you to give me a word that most people would associate with this word in the center.
Task IV: Judgment of Patient-Generated Associations to Link 2 Words

- **Rationale:** Provide practice generating associations and evaluating appropriateness of associations between 2 words.
- **Task:** C) Patient is asked whether the associations for Word 1 can also be associated to Word 2. Ideally, some will and others will not.

Task IV

Participant generates 5 accurate associations to Target.

Task V: Selection of Appropriate Metaphor Ground from Candidate Duel Associations

- **Rationale:** Provide practice selecting the basis for a metaphor from a set of candidates.
- **Task:** Patient views a metaphor within a double bubble map and selects the appropriate interpretation from 3 choices (correct, blend, close substitution using another metaphor).
Task V
Selecting Metaphor Ground from Dual Associations

2. Selects appropriate meaning from 3 choices:
   A) The boxer is a wild animal. (literal)
   B) The boxer is a fierce competitor. (correct)
   C) The boxer gets paid for fighting (other)

Multidimensional scoring
(Lundgren et al. 2005; Brownell et al. 2007)
- 6. Complete and appropriate, characterized by rich, descriptive language (only rarely used).
- 5. Complete and appropriate (non-concrete) but basic/simple.
- 4. Complete and appropriate but delayed (longer than 5 seconds required for response initiation), (b) may contain self-corrections, or (c) may include some tangential comments and/or personalization.
- 3. Close-substitution using appropriate alternative metaphor to close substitution with some clear elements of abstraction but not the complete, correct/appropriate interpretation.
- 2. Literal associate, may be partially correct with some partial or inappropriate non-concrete extension.
- 1. Literal associate without any non-concrete extension.
- 0. No response, "I don't know" response, off-topic comments unrelated to the metaphor.