**Supplementary Material**

**Psychophysiological Responses in People Living with Dementia after an Art Gallery Intervention: An Exploratory Study**

**Supplementary Table 1. Art viewed by groups at the National Gallery of Australia**

|  |  |  |  |
| --- | --- | --- | --- |
| **Week** | **Theme** | **Art** | **Materials & Technique** |
| 1 | Impressionism | Claude Monet - Nymphéas [Waterlilies] | Painting, oil on canvas |
|  |  | Emmanuel Orazi - L'Hippodrome [The Hippodrome] | Lithograph |
|  |  | Alexandra Exter - The music lesson | Painting, oil on canvas |
| 2 | Expressionism | Tiffany Studios - Lamp collection | Glass, lamps |
|  |  | Salvador Dali - Lobster telephone | Sculpture, painted plaster, telephone |
|  |  | Max Pechstein - Portrait of a woman | Painting, oil on canvas |
| 3 | Australian Art | Arthur Streeton - Golden Summer | Painting, oil on canvas |
|  |  | Frederick Mccubbin - Violet and gold | Painting, oil on canvas |
|  |  | Charles Blackman - The cigarette shop | Enamel on composition board |
| 4 | Chinese art | Ah Xian - China bust 15, 16 & 80 | Ceramics, cast porcelain with underglaze decoration |
|  |  | Kate Beynon - Excuse Me! | Sculpture, installation, chenille sticks |
|  |  | Rose Farrell and George Parkin – Mountain Evergreens and Snow Deer | Digital inkjet print |
| 5 | Indigenous art | Roderick Yunkaporta -Waaram [Dugong] | Woodwork, sculpture, natural earth pigments on wood |
|  |  | Daniel Walbidi – Kirriwirri | Painting, synthetic polymer paint on linen |
|  |  | Lily Karadada – Wandjina | Painting, natural pigment on canvas |
|  |  | Jack Karadada - not titled [Wandjina] | Painting, natural earth pigments on eucalyptus bark |
| 6 | Abstract art | Fred Williams - Landscape '74 | Painting, oil on canvas |
|  |  | Ian Fairweather - Turtle and temple gong | Painting, synthetic polymer paint and gouche on board |
|  | Textiles | Ming dynasty - Ceremonial hanging | Textiles, silk, goal thread, natural dyes, kesi |

**Supplementary Table 2. Weekly engagement at the art gallery per participant**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Week** | **1** | **2** | **3** | **4** | **5** | **6** | **p** |
| **Theme** | Impressionism | Expressionism | Australian art | Chinese art | Indigenous art | Abstract art |   |
| *n* | 25 | 24 | 25 | 23 | 24 | 25 |  |
| Unprompted | 10.0 (3.50, 14.5) | 8.00 (4.00, 21.5) | 12.0 (6.00, 24.0) | 15.0 (5.00, 20.5) | 10.0 (4.50, 19.0) | 8.00 (3.00, 16.0) | 0.108 |
| Prompted | 20.0 (12.0, 29.0) | 21.0 (15.0, 31.0) | 20.0 (9.50, 27.0) | 17.0 (9.50, 25.0) | 17.0 (9.00, 26.5) | 17.0 (9.00, 24.5) | 0.664 |
| Laughter | 6.00 (3.00, 9.00)\* | 9.00 (3.00, 21.0)\*¥ | 6.00 (1.00, 20.0) | 9.00 (1.00, 16.0) | 7.00 (0.050, 12.5)¥ | 7.00 (1.00, 15.5) | 0.013 |
| Sleeping | 5 | 2 | 1 | 0 | 5 | 2 | 0.064 |
| Negative Emotion | 0 | 1 | 0 | 1 | 0 | 1 | 0.549 |

Continuous normally distributed variables are displayed as median (1st, 3rd quartile). Sleeping and Negative Emotion are displayed as *n* = number of occurrences. Outcomes were considered to be statistically significant at p < 0.05. \*p=0.015; ¥p= 0.012, following correction for the inflation of Type-I error with the Bonferroni rule.