Clinical reasoning for acute dyspnoea: comparison between final-year medical students from discipline- and competency-based undergraduate programmes

1. Number of relevant diagnostic tests (%)

| Case | Curriculum | Mean | Standard Deviation | T    | p       |
|------|------------|------|--------------------|------|---------|
| 1    | TC         | 66.231 | 6.826              | -0.130 | 0.897   |
|      | CC         | 66.513 | 9.450              |       |         |
| 2    | TC         | 65.099 | 7.124              | 1.868 | 0.067   |
|      | CC         | 61.914 | 5.734              |       |         |
| 3    | TC         | 63.650 | 7.521              | 0.299 | 0.766   |
|      | CC         | 63.021 | 8.273              |       |         |
| 4    | TC         | 56.742 | 9.390              | -1.064 | 0.294   |
|      | CC         | 61.133 | 10.594             |       |         |
| 5    | TC         | 70.198 | 5.317              | 1.536 | 0.130   |
|      | CC         | 67.457 | 7.775              |       |         |
| 6    | TC         | 61.721 | 9.487              | 1.839 | 0.068   |
|      | CC         | 55.337 | 10.192             |       |         |

2. Time to diagnostic decision (sec)

| Case | Curriculum | Mean | Standard Deviation | T    | p       |
|------|------------|------|--------------------|------|---------|
| 1    | TC         | 126.17885 | 78.137192 | -0.931 | 0.356   |
|      | CC         | 149.65387 | 108.00141  |       |         |
| 2    | TC         | 105.71885 | 69.007628 | -1.125 | 0.265   |
|      | CC         | 126.89537 | 72.645262  |       |         |
| 3    | TC         | 160.36233 | 86.020105 | 0.368  | 0.751   |
|      | CC         | 152.17240 | 82104.488  |       |         |
| 4    | TC         | 125.32074 | 72.559985 | 1.546  | 0.129   |
|      | CC         | 99.27643  | 51.582800  |       |         |
| 5    | TC         | 137.46426 | 79.654570 | -0.496 | 0.622   |
|      | CC         | 147.84440 | 78.322660  |       |         |
| 6    | TC         | 117.40630 | 62.226271 | -1.134 | 0.263   |
|      | CC         | 114.951967 | 114.59167  |       |         |

3. Accuracy in diagnosis (%)

| Case | Curriculum | Correct diagnose | Standard Deviation | X^2  | p       |
|------|------------|------------------|--------------------|------|---------|
| 1    | TC         | 90.90            | 0.29               | 0.904 | 0.342   |
|      | CC         | 84.000           | 0.37               |       |         |
| 2    | TC         | 85.20            | 0.36               | 0.044 | 0.834   |
|      | CC         | 75.00            | 0.44               |       |         |
| 3    | TC         | 92.30            | 0.27               | 0.004 | 0.949   |
|      | CC         | 93.80            | 0.25               |       |         |
| 4    | TC         | 74.10            | 0.45               | 0.22  | 0.822   |
|      | CC         | 71.90            | 0.46               |       |         |
| 5    | TC         | 91.70            | 0.28               | 0.662 | 0.416   |
|      | CC         | 90.60            | 0.30               |       |         |
| 6    | TC         | 59.30            | 0.05               | 0.581 | 0.446   |
|      | CC         | 46.90            | 0.51               |       |         |