Appendix 4a – Correlations Between Selected Gaze Indicators and Average Score in Scenario 1 (Diabetic Ketoacidosis)

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Variables | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Average Score | - |  |  |  |  |  |  |  |  |  |  |
| Time to first vitals fixation | -.705\* | - |  |  |  |  |  |  |  |  |  |
| Total time in silence | -.227 | .149 | - |  |  |  |  |  |  |  |  |
| Total vitals fixation time | .467 | -.200 | -.234 | - |  |  |  |  |  |  |  |
| Total RN fixation time | -.381 | -.047 | -.047 | -.596\* | - |  |  |  |  |  |  |
| Total labs fixation time | -.363 | .441 | .027 | .327 | -.298 | - |  |  |  |  |  |
| Total ECG fixation time | -.455 | .093 | .535 | -.135 | .303 | .052 | - |  |  |  |  |
| Number of patient fixations | -.119 | .127 | .009 | -.300 | -.170 | -.100 | -.098 | - |  |  |  |
| Number of RN fixations | -.018 | 0.80 | .273 | -.339 | .335 | .119 | -.202 | .033 | - |  |  |
| Number of RT fixations | -.650\* | .475 | .265 | -.322 | .397 | .137 | .330 | .151 | .283 | - |  |
| Number of vitals fixations | .442 | -.025 | -.329 | .827\*\* | -.584\* | .279 | -.154 | .155 | -.391 | -.263 | - |

Appendix 4b – Correlations Between Selected Gaze Indicators and Average Score in Scenario 3 (Ruptured Abdominal Aortic Aneurysm)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Variables | 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Average Score | - |  |  |  |  |  | |  |  |  |  |  |  |
| Time to first vitals fixation | -0.61 | - |  |  |  |  | |  |  |  |  |  |  |
| Total time in silence | -.211 | -.063 | - |  |  |  | |  |  |  |  |  |  |
| Total vitals fixation time | .261 | -.301 | .259 | - |  |  | |  |  |  |  |  |  |
| Total RN fixation time | -.235 | -.169 | .192 | .029 | - |  | |  |  |  |  |  |  |
| Total labs fixation time | -.498\*\* | .103 | .340 | -.138 | .379\* | - | |  |  |  |  |  |  |
| Total ECG fixation time | -.390\* | -.205 | .191 | -.193 | .015 | .162 | | - |  |  |  |  |  |
| Number of patient fixations | -.136 | -.221 | .157 | -.032 | .384\* | .293 | | .249 | - |  |  |  |  |
| Number of RN fixations | -.455\* | .021 | .152 | -.277 | .241 | .542\*\* | | .117 | .200 | - |  |  |  |
| Number of RT fixations | .302 | .004 | .133 | .142 | .028 | .159 | | .017 | -.077 | -.023 | - |  |  |
| Number of vitals fixations | .120 | -.068 | .121 | .318 | -.033 | -.363\* | | -.222 | -.135 | -.351 | -.369\* | - |  |
| Number of med list fixations | .247 | -.079 | -.311 | -.156 | .238 | .261 | | .034 | .359 | .043 | -.459\* | .026 | - |
| \*p<.05, \*\*p<.01 | | | | | | | | | | | | |  |

Appendix 4c – Correlations Between Selected Gaze Indicators and Average Score in Scenario 4 (Metabolic Acidosis)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Variables | | 1 | 2 | | | 3 | | 4 | | 5 | | 6 | 7 | | | 8 | | 9 | 10 | | 11 | | 12 | |
| Average Score | - | | |  |  | |  | |  | |  | | |  |  | |  | | |  | |  |  | |
| Time to first vitals fixation | -.084 | | | - |  | |  | |  | |  | | |  |  | |  | | |  | |  |  | |
| Total time in silence | -.031 | | | -.006 | - | |  | |  | |  | | |  |  | |  | | |  | |  |  | |
| Total vitals fixation time | -.111 | | | -.020 | -.198 | | - | |  | |  | | |  |  | |  | | |  | |  |  | |
| Total RN fixation time | .188 | | | -.141 | -.189 | | .414\* | | - | |  | | |  |  | |  | | |  | |  |  | |
| Total labs fixation time | .312 | | | -.112 | .356 | | .043 | | .055 | | - | | |  |  | |  | | |  | |  |  | |
| Total ECG fixation time | .283 | | | -.302 | -.038 | | -.354 | | .236 | | -.007 | | | - |  | |  | | |  | |  |  | |
| Number of patient fixations | -.286 | | | -.071 | .062 | | .339 | | .182 | | .157 | | | -.062 | - | |  | | |  | |  |  | |
| Number of RN fixations | .261 | | | .107 | -.051 | | -.080 | | .162 | | .211 | | | -.064 | .247 | | - | | |  | |  |  | |
| Number of RT fixations | -.195 | | | .074 | .117 | | -.214 | | -.106 | | -.206 | | | -.040 | -.135 | | .106 | | | - | |  |  | |
| Number of vitals fixations | -.144 | | | -.356 | -.160 | | .424\* | | -.178 | | -.127 | | | -.216 | .108 | | -.292 | | | -.073 | | - |  | |
| Number of med list fixations | -.479\* | | | -.125 | .174 | | -.019 | | -.022 | | .155 | | | .110 | .315 | | -.033 | | | -.148 | | -.219 | | - |
| \*p<.05, \*\*p<.01 | | | | | | | | | | | | | | | | | | | | | | | | |