**Table1:**

|  |  |  |  |
| --- | --- | --- | --- |
| Demographics | First Trimester Pregnancy Loss  N = 9 | Continuing Pregnancy  N = 127 | p-value |
| Age (years) [Median | 34.0 (31.0, 36.3) | 32.0 (29.0, 35.0) | 0.067a |
| Gravidity (N) [Median | 2.0 (1.0, 3.0) | 2.0 (1.0, 3.0) | 0.440a |
| Parity (N) [Median | 0 (0, 1.0) | 0 (0, 1.0) | 0.324a |
| BMI (kg/m2) [Median | 26.1 (22.0, 30.5) | 25.0 (22.0, 31.0) | 0.785a |

**Table 2:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Week | Gestational days | Pregnancy loss | | Continuing Pregnancy | | p value |
|  |  | Mean | SD | Mean | SD |  |
| 5 | 35–41 | 12.33 | 0.99 | 22.55 | 5.39 | <0.05S |
| 6 | 42–48 | 13.05 | 1.17 | 28.71 | 5.72 | <0.05S |
| 7 | 49–55 | 16.02 | 1.89 | 34.43 | 1.98 | <0.05S |
| 8 | 56–62 | 22.05 | 2.61 | 37.95 | 1.43 | <0.05S |
| 9 | 63–69 | 25.29 | 3.42 | 41.58 | 2.75 | <0.05S |
| 10 | 70–76 | 23.85 | 3.33 | 44.55 | 3.08 | <0.05S |
| 11 | 77-83 | 23.31 | 3.33 | 54.01 | 4.18 | <0.05S |
| 12 | 84-90 | 22.59 | 3.15 | 65.12 | 4.51 | <0.05S |

**Table 3:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Week | Gestational days | Pregnancy loss | | Continuing Pregnancy | | p value |
|  |  | Mean | SD | Mean | SD |  |
| 5 | 35–41 | 2.61 | 1.53 | 4.07 | 0.33 | <0.05S |
| 6 | 42–48 | 2.88 | 1.62 | 4.29 | 0.33 | <0.05S |
| 7 | 49–55 | 3.42 | 0.99 | 4.62 | 0.44 | <0.05S |
| 8 | 56–62 | 4.23 | 0.9 | 5.61 | 0.55 | <0.05S |
| 9 | 63–69 | 4.77 | 0.81 | 6.38 | 0.66 | <0.05S |
| 10 | 70–76 | 4.41 | 0.72 | 6.49 | 0.66 | <0.05S |
| 11 | 77-83 | 3.42 | 0.63 | 5.39 | 0.66 | <0.05S |
| 12 | 84-90 | 3.24 | 0.27 | 4.95 | 0.77 | <0.05S |

**Table 4:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Week | Gestational days | Pregnancy loss | | Continuing Pregnancy | | p value |
|  |  | Mean | SD | Mean | SD |  |
| 5 | 35–41 | 2.25 | 0.54 | 4.51 | 0.44 | <0.05S |
| 6 | 42–48 | 2.79 | 0.72 | 5.61 | 0.55 | <0.05S |
| 7 | 49–55 | 7.65 | 1.35 | 15.4 | 0.99 | <0.05S |
| 8 | 56–62 | 12.15 | 1.17 | 23.54 | 1.32 | <0.05S |
| 9 | 63–69 | 15.75 | 1.53 | 30.58 | 3.96 | <0.05S |
| 10 | 70–76 | 14.31 | 1.17 | 27.83 | 3.08 | <0.05S |
| 11 | 77-83 | 10.08 | 1.17 | 48.07 | 2.31 | <0.05S |
| 12 | 84-90 | 11.7 | 1.89 | 55.77 | 6.27 | <0.05S |

**Table 5:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Week | Gestational days | Pregnancy loss | | Continuing Pregnancy | | p value |
|  |  | Mean | SD | Mean | SD |  |
| 5 | 35–41 | 92.7 | 9.36 | 126.5 | 9.35 | <0.05S |
| 6 | 42–48 | 94.5 | 9.54 | 130.9 | 3.3 | <0.05S |
| 7 | 49–55 | 118.8 | 8.37 | 155.1 | 7.37 | <0.05S |
| 8 | 56–62 | 130.5 | 10.53 | 115.5 | 11.66 | <0.05S |
| 9 | 63–69 | 145.8 | 8.1 | 140.58 | 3.96 | <0.05S |
| 10 | 70–76 | 144.9 | 7.74 | 173.8 | 4.29 | <0.05S |
| 11 | 77-83 | 148.5 | 8.64 | 184.8 | 10.67 | <0.05S |
| 12 | 84-90 | 148.5 | 0.9 | 188.1 | 5.5 | <0.05S |

**Table 6:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Gestational Week | Gestational days | Variables | Odds Ratio | (95% CI) | p-value | Sens. (%) | Spec. (%) | AUC |
| 5th | 35–41 | Yolk Sac | <0.001 | (<0.001 5.34) | 0.0881 | 79 | 67 | 0.95 |
|  |  | Heart Rate | 0.97 | (0.86 1.10) | 0.6482 |  |  |  |
| 6th | 42–48 | Yolk Sac | 3.36 | (1.53 7.34) | 0.0025 | 74 | 78 | 0.86 |
|  |  | Gestational Sac | 0.01 | (0.00 0.09) | <0.0001 |  |  |  |
| 7th | 49–55 | Yolk Sac | 6.52 | (2.32 18.33) | 0.0004 | 79 | 73 | 0.90 |
|  |  | Gestational Sac | 0.10 | (0.02 0.52) | 0.0063 |  |  |  |
|  |  | Heart Rate | 0.96 | (0.92 1.00) | 0.0376 |  |  |  |
| 8th | 56–62 | Yolk Sac | 6.28 | (1.21 32.73) | 0.0291 | 86 | 83 | 0.92 |
|  |  | Crown-rump Length | 0.59 | (0.48 0.73) | <0.0001 |  |  |  |
| 9th | 63–69 | Gestational Sac | 0.10 | (0.02 0.41) | 0.0016 | 82 | 85 | 0.86 |
|  |  | Crown-rump Length | 0.85 | (0.71 1.02) | 0.0806 |  |  |  |
| 10th | 70–76 | Yolk Sac | 0.05 | (0.08 0.33) | 0.0018 | 60 | 79 | 0.92 |
|  |  | Gestational Sac | 0.57 | (0.24 1.35) | 0.1975 |  |  |  |