**Table I** Table 1. Patient Characteristics – Risk factor

Frequency table & Chi-square test

|  |  |
| --- | --- |
| Codes X | Grupa |

|  |  |  |
| --- | --- | --- |
| NACIĘCIE IGŁOWE | 84 | 58,7% |
| NACIĘCIE KLASYCZNE | 59 | 41,3% |
| Total | 143 | 100.0% |

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | GanderPłeć  |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| K | 43 | 38 | 81 (56,6%) |
| M | 41 | 21 | 62 (43,4%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 1,956 |
| DF | 1 |
| Significance level | P = 0,1619 |
| Contingency coefficient | 0,116 |

**Independent samples t-test**

|  |
| --- |
| Sample 1 |
| Variable | Age |
| Select | Grupa="Nacięcie klasyczne" |
| Sample 2 |
| Variable | Age |
| Select | Grupa="Nacięcie igłowe" |

|  |  |  |
| --- | --- | --- |
|   | Sample 1 | Sample 2 |
| Sample size | 59 | 84 |
| Arithmetic mean | 68,2034 | 63,2500 |
| 95% CI for the mean | 64,7115 to 71,6953 | 59,8687 to 66,6313 |
| Variance | 179,5441 | 242,7681 |
| Standard deviation | 13,3994 | 15,5810 |
| Standard error of the mean | 1,7445 | 1,7000 |

|  |  |
| --- | --- |
| F-test for equal variances | P = 0,225 |

**T-test (assuming equal variances)**

|  |  |
| --- | --- |
| Difference | -4,9534 |
| Standard Error | 2,5009 |
| 95% CI of difference | -9,8975 to -0,009320 |
| Test statistic t | -1,981 |
| Degrees of Freedom (DF) | 141 |
| Two-tailed probability | P = 0,0496 |





**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Wiek\_50Wiek<50 |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 68 | 52 | 120 (83,9%) |
| TAK | 16 | 7 | 23 (16,1%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 0,846 |
| DF | 1 |
| Significance level | P = 0,3576 |
| Contingency coefficient | 0,077 |

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Bilirubin level NPoziom bilirubiny  |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 75 | 49 | 124 (87,3%) |
| TAK | 8 | 10 | 18 (12,7%) |
|   | 83(58,5%) | 59(41,5%) | 142 |

|  |  |
| --- | --- |
| Chi-square | 1,070 |
| DF | 1 |
| Significance level | P = 0,3009 |
| Contingency coefficient | 0,086 |

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Concomitant systemic diseases  |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 64 | 53 | 117 (81,8%) |
| TAK | 20 | 6 | 26 (18,2%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 3,466 |
| DF | 1 |
| Significance level | P = 0,0626 |
| Contingency coefficient | 0,154 |

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | NeoplasmsNPL |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 56 | 40 | 96 (69,1%) |
| TAK | 26 | 17 | 43 (30,9%) |
|   | 82(59,0%) | 57(41,0%) | 139 |

|  |  |
| --- | --- |
| Chi-square | 0,002 |
| DF | 1 |
| Significance level | P = 0,9604 |
| Contingency coefficient | 0,004 |

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Choledocholithiasis |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 60 | 36 | 96 (67,1%) |
| TAK | 24 | 23 | 47 (32,9%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 1,264 |
| DF | 1 |
| Significance level | P = 0,2610 |
| Contingency coefficient | 0,094 |

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y |  Papillae stenosis  |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 70 | 49 | 119 (83,2%) |
| TAK | 14 | 10 | 24 (16,8%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 0,033 |
| DF | 1 |
| Significance level | P = 0,8550 |
| Contingency coefficient | 0,015 |

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Distal stenosis  |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| ? | 1 | 0 | 1 (0,7%) |
| NIE | 65 | 46 | 111 (77,6%) |
| TAK | 18 | 13 | 31 (21,7%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 0,710 |
| DF | 2 |
| Significance level | P = 0,7013 |
| Contingency coefficient | 0,070 |

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Middle part CBD stenosis |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 81 | 54 | 135 (94,4%) |
| TAK | 3 | 5 | 8 (5,6%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 0,786 |
| DF | 1 |
| Significance level | P = 0,3754 |
| Contingency coefficient | 0,074 |

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Hilum stenosis |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 79 | 55 | 134 (93,7%) |
| TAK | 5 | 4 | 9 (6,3%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 0,022 |
| DF | 1 |
| Significance level | P = 0,8814 |
| Contingency coefficient | 0,012 |

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Flat papillae |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 56 | 36 | 92 (64,3%) |
| TAK | 28 | 23 | 51 (35,7%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 0,267 |
| DF | 1 |
| Significance level | P = 0,6051 |
| Contingency coefficient | 0,043 |

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Prominent papillae |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 52 | 36 | 88 (61,5%) |
| TAK | 32 | 23 | 55 (38,5%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 0,005 |
| DF | 1 |
| Significance level | P = 0,9465 |
| Contingency coefficient | 0,006 |

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Papillae in diverticulum |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 72 | 49 | 121 (84,6%) |
| TAK | 12 | 10 | 22 (15,4%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 0,040 |
| DF | 1 |
| Significance level | P = 0,8421 |
| Contingency coefficient | 0,017 |

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Tumor of papillae |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 66 | 54 | 120 (83,9%) |
| TAK | 18 | 5 | 23 (16,1%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 3,403 |
| DF | 1 |
| Significance level | P = 0,0651 |
| Contingency coefficient | 0,152 |

**Summary statistics table**

|  |  |
| --- | --- |
|   | Biliary duct diam. |
| Grupa | Nacięcie igłowe | Nacięcie klasyczne |
| N | 76 | 56 |
| Mean | 14,487 | 14,071 |
| SD | 5,1497 | 5,4900 |
| Median | 12,000 | 12,000 |
| Minimum | 4,000 | 6,000 |
| Maximum | 30,000 | 30,000 |
| 25 - 75 P | 10,500 - 18,000 | 10,000 - 18,000 |
| Normal Distr. | 0,0398 | 0,0286 |

**Mann-Whitney test (independent samples)**

|  |
| --- |
| Sample 1 |
| Variable | CBD diam. |
| Select | Grupa="Nacięcie klasyczne" |
| Sample 2 |
| Variable | CBD diam. |
| Select | Grupa="Nacięcie igłowe" |

|  |  |  |
| --- | --- | --- |
|   | Sample 1 | Sample 2 |
| Sample size | 56 | 76 |
| Lowest value | 6,0000 | 4,0000 |
| Highest value | 30,0000 | 30,0000 |
| Median | 12,0000 | 12,0000 |
| 95% CI for the median | 10,3952 to 15,0000 | 12,0000 to 15,0000 |
| Interquartile range | 10,0000 to 18,0000 | 10,5000 to 18,0000 |

**Mann-Whitney test (independent samples)**

|  |  |
| --- | --- |
| Average rank of first group | 63,4375 |
| Average rank of second group | 68,7566 |
| Mann-Whitney U | 1956,50 |
| Test statistic Z (corrected for ties) | 0,797 |
| Two-tailed probability | P = 0,4256 |

Frequency table & Chi-square test

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Średnica\_PZGŚrednica PZG |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| <=9 | 18 | 13 | 31 (21,7%) |
| >9 | 66 | 46 | 112 (78,3%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 0,014 |
| DF | 1 |
| Significance level | P = 0,9048 |
| Contingency coefficient | 0,010 |

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Prosthesis implantatio ad CBD |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 10 | 8 | 18 (13,4%) |
| TAK | 65 | 51 | 116 (86,6%) |
|   | 75(56,0%) | 59(44,0%) | 134 |

|  |  |
| --- | --- |
| Chi-square | 0,047 |
| DF | 1 |
| Significance level | P = 0,8282 |
| Contingency coefficient | 0,019 |

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Prosthesis implantation ad Wirsung duct |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 70 | 57 | 127 (90,7%) |
| TAK | 11 | 2 | 13 (9,3%) |
|   | 81(57,9%) | 59(42,1%) | 140 |

|  |  |
| --- | --- |
| Chi-square | 3,085 |
| DF | 1 |
| Significance level | P = 0,0790 |
| Contingency coefficient | 0,147 |

**Summary statistics table**

|  |  |
| --- | --- |
|   | Prosthesis in CBD diam. |
| Grupa | Nacięcie igłowe | Nacięcie klasyczne |
| N | 69 | 51 |
| Mean | 6,007 | 5,892 |
| SD | 1,5255 | 1,5405 |
| Median | 5,000 | 5,000 |
| Minimum | 5,000 | 5,000 |
| Maximum | 8,500 | 8,500 |
| 25 - 75 P | 5,000 - 7,375 | 5,000 - 7,625 |
| Normal Distr. | 0,0030 | 0,0039 |

**Mann-Whitney test (independent samples)**

|  |
| --- |
| Sample 1 |
| Variable | Prosthesis diam. in CBD  |
| Select | Grupa="Nacięcie klasyczne" |
| Sample 2 |
| Variable | Prosthesis diam. in CBD |
| Select | Grupa="Nacięcie igłowe" |

|  |  |  |
| --- | --- | --- |
|   | Sample 1 | Sample 2 |
| Sample size | 51 | 69 |
| Lowest value | 5,0000 | 5,0000 |
| Highest value | 8,5000 | 8,5000 |
| Median | 5,0000 | 5,0000 |
| 95% CI for the median | 5,0000 to 5,0000 | 5,0000 to 5,0000 |
| Interquartile range | 5,0000 to 7,6250 | 5,0000 to 7,3750 |

**Mann-Whitney test (independent samples)**

|  |  |
| --- | --- |
| Average rank of first group | 58,9314 |
| Average rank of second group | 61,6594 |
| Mann-Whitney U | 1679,50 |
| Test statistic Z (corrected for ties) | 0,530 |
| Two-tailed probability | P = 0,5963 |

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Prothesis diam. in CBD  |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| 5 | 47 | 38 | 85 (70,8%) |
| 7 | 5 | 0 | 5 (4,2%) |
| 8,5 | 17 | 13 | 30 (25,0%) |
|   | 69(57,5%) | 51(42,5%) | 120 |

|  |  |
| --- | --- |
| Chi-square | 3,873 |
| DF | 2 |
| Significance level | P = 0,1442 |
| Chi-square test for trend |
| Chi-square (trend) | 0,120 |
| DF | 1 |
| Significance level | P = 0,7287 |

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Pathological sampling |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 72 | 56 | 128 (89,5%) |
| TAK | 12 | 3 | 15 (10,5%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 2,222 |
| DF | 1 |
| Significance level | P = 0,1361 |
| Contingency coefficient | 0,124 |

**Table II Comparison of the efficacy and complication rates of pre-cut PCS and PNK procedures**

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Two –step access |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 43 | 54 | 97 (67,8%) |
| TAK | 41 | 5 | 46 (32,2%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 24,025 |
| DF | 1 |
| Significance level | P < 0,0001 |
| Contingency coefficient | 0,379 |



**Summary statistics table**

|  |  |
| --- | --- |
|   | Amylase level after 4h |
| Grupa | Nacięcie igłowe | Nacięcie klasyczne |
| N | 84 | 59 |
| Mean | 179,405 | 172,780 |
| SD | 268,5837 | 292,5267 |
| Median | 77,500 | 56,000 |
| Minimum | 10,000 | 12,000 |
| Maximum | 1595,000 | 1562,000 |
| 25 - 75 P | 42,000 - 237,000 | 33,000 - 134,500 |
| Normal Distr. | <0,0001 | <0,0001 |

**Mann-Whitney test (independent samples)**

|  |
| --- |
| Sample 1 |
| Variable | Amyl\_po\_4hAmyl po 4h |
| Select | Grupa="Nacięcie klasyczne" |
| Sample 2 |
| Variable | Amyl\_po\_4hAmyl po 4h |
| Select | Grupa="Nacięcie igłowe" |

|  |  |  |
| --- | --- | --- |
|   | Sample 1 | Sample 2 |
| Sample size | 59 | 84 |
| Lowest value | 12,0000 | 10,0000 |
| Highest value | 1562,0000 | 1595,0000 |
| Median | 56,0000 | 77,5000 |
| 95% CI for the median | 49,5029 to 83,9942 | 57,6311 to 122,7379 |
| Interquartile range | 33,0000 to 134,5000 | 42,0000 to 237,0000 |

**Mann-Whitney test (independent samples)**

|  |  |
| --- | --- |
| Average rank of first group | 67,3220 |
| Average rank of second group | 75,2857 |
| Mann-Whitney U | 2202,00 |
| Test statistic Z (corrected for ties) | 1,132 |
| Two-tailed probability | P = 0,2577 |



Frequency table & Chi-square test

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Amyl\_po\_4\_\_80Amyl po 4 >80 |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 43 | 36 | 79 (55,2%) |
| TAK | 41 | 23 | 64 (44,8%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 0,985 |
| DF | 1 |
| Significance level | P = 0,3209 |
| Contingency coefficient | 0,083 |



Frequency table & Chi-square test

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Amyl\_po\_4h\_\_240Amyl po 4h >240 |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 65 | 48 | 113 (79,0%) |
| TAK | 19 | 11 | 30 (21,0%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 0,134 |
| DF | 1 |
| Significance level | P = 0,7143 |
| Contingency coefficient | 0,031 |



**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Pancreatic pain after 24h |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 71 | 52 | 123 (86,0%) |
| TAK | 13 | 7 | 20 (14,0%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 0,136 |
| DF | 1 |
| Significance level | P = 0,7127 |
| Contingency coefficient | 0,031 |

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Post endoscopic pancreatitis - PEP  |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 80 | 57 | 137 (95,8%) |
| TAK | 4 | 2 | 6 (4,2%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 0,000 |
| DF | 1 |
| Significance level | P = 0,9835 |
| Contingency coefficient | 0,002 |

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | ,,endoscopic’’ bleeding  |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 74 | 51 | 125 (87,4%) |
| TAK | 10 | 8 | 18 (12,6%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 0,001 |
| DF | 1 |
| Significance level | P = 0,9700 |
| Contingency coefficient | 0,003 |

**Frequency table & Chi-square test**

|  |  |
| --- | --- |
| Codes X | Grupa |
| Codes Y | Endoscopic homeosthasis |

|  |  |  |
| --- | --- | --- |
|   | Codes X |   |
| Codes Y | NACIĘCIE IGŁOWE | NACIĘCIE KLASYCZNE |   |
| NIE | 74 | 52 | 126 (88,1%) |
| TAK | 10 | 7 | 17 (11,9%) |
|   | 84(58,7%) | 59(41,3%) | 143 |

|  |  |
| --- | --- |
| Chi-square | 0,065 |
| DF | 1 |
| Significance level | P = 0,7987 |
| Contingency coefficient | 0,021 |

**Table III. Logistic regression (monofactor)**

**Precut Needle Knife -PNK**

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl after 4h >80 |
| Select | Grupa="Nacięcie igłowe" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 84 |
| Cases with Y=0 | 43 (51,19%) |
| Cases with Y=1 | 41 (48,81%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 116,401 |
| Full model -2 Log Likelihood | 114,666 |
| Chi-square | 1,735 |
| DF | 1 |
| Significance level | P = 0,1877 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Choledocholithiasis | -0,64436 | 0,49471 | 0,1928 |
| Constant | 0,1335 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Kamica | 0,5250 | 0,1991 to 1,3844 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 15 | 28 | 34,88 % |  |
| Y = 1         | 9 | 32 | 78,05 % |  |
| Percent of cases correctly classified | 55,95 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
|  Area under the ROC curve (AUC)  | 0,565 |
| Standard Error | 0,0628 |
| 95% Confidence interval | 0,452 to 0,673 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie igłowe" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 84 |
| Cases with Y=0 | 43 (51,19%) |
| Cases with Y=1 | 41 (48,81%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 116,401 |
| Full model -2 Log Likelihood | 116,399 |
| Chi-square | 0,00229 |
| DF | 1 |
| Significance level | P = 0,9618 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Distal stenosis  | -0,021396 | 0,44697 | 0,9618 |
| Constant | -0,03922 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Distal stenosis | 0,9788 | 0,4076 to 2,3506 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 43 | 0 | 100,00 % |  |
| Y = 1         | 41 | 0 | 0,00 % |  |
| Percent of cases correctly classified | 51,19 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,503 |
| Standard Error | 0,0634 |
| 95% Confidence interval | 0,391 to 0,614 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie igłowe" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 84 |
| Cases with Y=0 | 43 (51,19%) |
| Cases with Y=1 | 41 (48,81%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 116,401 |
| Full model -2 Log Likelihood | 116,046 |
| Chi-square | 0,355 |
| DF | 1 |
| Significance level | P = 0,5512 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Middle stenosis | -0,40547 | 0,68609 | 0,5545 |
| Constant | 1,02703E-015 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Middle stenosis | 0,6667 | 0,1737 to 2,5581 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 6 | 37 | 13,95 % |  |
| Y = 1         | 4 | 37 | 90,24 % |  |
| Percent of cases correctly classified | 51,19 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,521 |
| Standard Error | 0,0633 |
| 95% Confidence interval | 0,409 to 0,631 |

|  |  |
| --- | --- |
|    | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie igłowe" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 84 |
| Cases with Y=0 | 43 (51,19%) |
| Cases with Y=1 | 41 (48,81%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 116,401 |
| Full model -2 Log Likelihood | 114,867 |
| Chi-square | 1,534 |
| DF | 1 |
| Significance level | P = 0,2155 |

## Coefficients and Standard  Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Flat papillae | -0,57842 | 0,47067 | 0,2191 |
| Constant | 0,1431 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Flat papillae | 0,5608 | 0,2229 to 1,4107 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 17 | 26 | 39,53 % |  |
| Y = 1         | 11 | 30 | 73,17 % |  |
| Percent of cases correctly classified | 55,95 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,564 |
| Standard Error | 0,0628 |
| 95% Confidence interval | 0,451 to 0,672 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie igłowe" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 84 |
| Cases with Y=0 | 43 (51,19%) |
| Cases with Y=1 | 41 (48,81%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 116,401 |
| Full model -2 Log Likelihood | 116,372 |
| Chi-square | 0,0293 |
| DF | 1 |
| Significance level | P = 0,8640 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Prominent papillae | 0,076961 | 0,44949 | 0,8641 |
| Constant | -0,07696 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Prominent paillae | 1,0800 | 0,4475 to 2,6064 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 27 | 16 | 62,79 % |  |
| Y = 1         | 25 | 16 | 39,02 % |  |
| Percent of cases correctly classified | 51,19 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,509 |
| Standard Error | 0,0634 |
| 95% Confidence interval | 0,398 to 0,620 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie igłowe" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 84 |
| Cases with Y=0 | 43 (51,19%) |
| Cases with Y=1 | 41 (48,81%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 116,401 |
| Full model -2 Log Likelihood | 116,393 |
| Chi-square | 0,00794 |
| DF | 1 |
| Significance level | P = 0,9290 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| In diverticulum | 0,055570 | 0,62364 | 0,9290 |
| Constant | -0,05557 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| In diverticulum | 1,0571 | 0,3114 to 3,5891 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 37 | 6 | 86,05 % |  |
| Y = 1         | 35 | 6 | 14,63 % |  |
| Percent of cases correctly classified | 51,19 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,503 |
| Standard Error | 0,0634 |
| 95% Confidence interval | 0,392 to 0,614 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie igłowe" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 84 |
| Cases with Y=0 | 43 (51,19%) |
| Cases with Y=1 | 41 (48,81%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 116,401 |
| Full model -2 Log Likelihood | 116,388 |
| Chi-square | 0,0130 |
| DF | 1 |
| Significance level | P = 0,9093 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
|  Tumor | 0,060625 | 0,53187 | 0,9093 |
| Constant | -0,06062 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Tumor | 1,0625 | 0,3746 to 3,0135 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 34 | 9 | 79,07 % |  |
| Y = 1         | 32 | 9 | 21,95 % |  |
| Percent of cases correctly classified | 51,19 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,505 |
| Standard Error | 0,0634 |
| 95% Confidence interval | 0,394 to 0,616 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie igłowe" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 84 |
| Cases with Y=0 | 43 (51,19%) |
| Cases with Y=1 | 41 (48,81%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 116,401 |
| Full model -2 Log Likelihood | 116,388 |
| Chi-square | 0,0130 |
| DF | 1 |
| Significance level | P = 0,9093 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| CBD diam.<9 mm | 0,060625 | 0,53187 | 0,9093 |
| Constant | -0,06062 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| CBD diam < 9 mm | 1,0625 | 0,3746 to 3,0135 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 34 | 9 | 79,07 % |  |
| Y = 1         | 32 | 9 | 21,95 % |  |
| Percent of cases correctly classified | 51,19 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,505 |
| Standard Error | 0,0634 |
| 95% Confidence interval | 0,394 to 0,616 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie igłowe" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 84 |
| Cases with Y=0 | 43 (51,19%) |
| Cases with Y=1 | 41 (48,81%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 116,401 |
| Full model -2 Log Likelihood | 111,727 |
| Chi-square | 4,674 |
| DF | 1 |
| Significance level | P = 0,0306 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Endoscopic homeostasis | 1,60336 | 0,82444 | 0,0518 |
| Constant | -0,2171 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Endoscopic homeostasis | 4,9697 | 0,9875 to 25,0094 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 41 | 2 | 95,35 % |  |
| Y = 1         | 33 | 8 | 19,51 % |  |
| Percent of cases correctly classified | 58,33 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,574 |
| Standard Error | 0,0629 |
| 95% Confidence interval | 0,462 to 0,682 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie igłowe" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 84 |
| Cases with Y=0 | 43 (51,19%) |
| Cases with Y=1 | 41 (48,81%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 116,401 |
| Full model -2 Log Likelihood | 116,393 |
| Chi-square | 0,00794 |
| DF | 1 |
| Significance level | P = 0,9290 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Pathological sampling | 0,055570 | 0,62364 | 0,9290 |
| Constant | -0,05557 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Pathological sampling | 1,0571 | 0,3114 to 3,5891 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 37 | 6 | 86,05 % |  |
| Y = 1         | 35 | 6 | 14,63 % |  |
| Percent of cases correctly classified | 51,19 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,503 |
| Standard Error | 0,0634 |
| 95% Confidence interval | 0,392 to 0,614 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie igłowe" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 84 |
| Cases with Y=0 | 43 (51,19%) |
| Cases with Y=1 | 41 (48,81%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 116,401 |
| Full model -2 Log Likelihood | 114,362 |
| Chi-square | 2,039 |
| DF | 1 |
| Significance level | P = 0,1533 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| PZG >9 mm | -0,75522 | 0,53708 | 0,1597 |
| Constant | 0,5390 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| PZG | 0,4699 | 0,1640 to 1,3464 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 36 | 7 | 83,72 % |  |
| Y = 1         | 29 | 12 | 29,27 % |  |
| Percent of cases correctly classified | 57,14 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,565 |
| Standard Error | 0,0630 |
| 95% Confidence interval | 0,452 to 0,673 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie igłowe" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 68 |
| Cases with Y=0 | 36 (52,94%) |
| Cases with Y=1 | 32 (47,06%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 94,033 |
| Full model -2 Log Likelihood | 93,687 |
| Chi-square | 0,345 |
| DF | 1 |
| Significance level | P = 0,5569 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| CBD prosthesis diam.<6Fr | -0,30888 | 0,52630 | 0,5573 |
| Constant | 0,09531 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| CBD prosthesis diam. < 6 Fr | 0,7343 | 0,2617 to 2,0599 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 26 | 10 | 72,22 % |  |
| Y = 1         | 21 | 11 | 34,38 % |  |
| Percent of cases correctly classified | 54,41 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,533 |
| Standard Error | 0,0706 |
| 95% Confidence interval | 0,408 to 0,655 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie igłowe" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 84 |
| Cases with Y=0 | 43 (51,19%) |
| Cases with Y=1 | 41 (48,81%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 116,401 |
| Full model -2 Log Likelihood | 115,733 |
| Chi-square | 0,668 |
| DF | 1 |
| Significance level | P = 0,4136 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Bilirubin laevel –N | 0,61619 | 0,76558 | 0,4209 |
| Constant | -0,1054 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Bilirubin laevel -N | 1,8519 | 0,4130 to 8,3039 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 40 | 3 | 93,02 % |  |
| Y = 1         | 36 | 5 | 12,20 % |  |
| Percent of cases correctly classified | 53,57 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,526 |
| Standard Error | 0,0634 |
| 95% Confidence interval | 0,414 to 0,636 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

**Logistic regression (multifactor) precut neddle knife –PNK**

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie igłowe" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 84 |
| Cases with Y=0 | 43 (51,19%) |
| Cases with Y=1 | 41 (48,81%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 116,401 |
| Full model -2 Log Likelihood | 111,530 |
| Chi-square | 4,871 |
| DF | 3 |
| Significance level | P = 0,1815 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Choledocholithiasis | -1,38629 | 0,67905 | 0,0412 |
| Distal stenosis and tumor | -0,93609 | 0,63613 | 0,1411 |
| Middle and Hilum stenosis | -1,28093 | 0,83666 | 0,1258 |
| Constant | 0,8755 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Choledocholithiasis | 0,2500 | 0,0661 to 0,9462 |
| Distal stenosis and tumor | 0,3922 | 0,1127 to 1,3644 |
| Middle and tumor | 0,2778 | 0,0539 to 1,4318 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 38 | 5 | 88,37 % |  |
| Y = 1         | 29 | 12 | 29,27 % |  |
| Percent of cases correctly classified | 59,52 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,623 |
| Standard Error | 0,0612 |
| 95% Confidence interval | 0,510 to 0,726 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie igłowe" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 84 |
| Cases with Y=0 | 43 (51,19%) |
| Cases with Y=1 | 41 (48,81%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 116,401 |
| Full model -2 Log Likelihood | 112,168 |
| Chi-square | 4,233 |
| DF | 4 |
| Significance level | P = 0,3753 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Flat | -2,04266 | 1,07160 | 0,0566 |
| Prominent | -1,51536 | 1,00713 | 0,1324 |
| In diverticulum | -1,67086 | 1,18185 | 0,1574 |
| Tumor | -1,04850 | 0,87092 | 0,2286 |
| Constant | 1,6709 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Flat | 0,1297 | 0,0159 to 1,0594 |
| Prominent | 0,2197 | 0,0305 to 1,5819 |
| In diverticulum | 0,1881 | 0,0186 to 1,9071 |
| Tumor | 0,3505 | 0,0636 to 1,9319 |

## Hosmer & Lemeshow test

|  |  |
| --- | --- |
| Chi-square | 0,08727 |
| DF | 3 |
| Significance level | P = 0,9933 |

## Contingency table for Hosmer & Lemeshow test [Show]

## Contingency table for Hosmer & Lemeshow test [Hide]

|  |  |  |  |
| --- | --- | --- | --- |
| Group | Y=0 | Y=1 | Total |
| Observed | Expected | Observed | Expected |
| 1 | 5 | 5,158 | 2 | 1,842 | 7 |
| 2 | 15 | 15,389 | 11 | 10,611 | 26 |
| 3 | 6 | 6,000 | 6 | 6,000 | 12 |
| 4 | 13 | 12,452 | 14 | 14,548 | 27 |
| 5 | 4 | 4,000 | 8 | 8,000 | 12 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 20 | 23 | 46,51 % |  |
| Y = 1         | 13 | 28 | 68,29 % |  |
| Percent of cases correctly classified | 57,14 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,606 |
| Standard Error | 0,0615 |
| 95% Confidence interval | 0,493 to 0,710 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie igłowe" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 68 |
| Cases with Y=0 | 36 (52,94%) |
| Cases with Y=1 | 32 (47,06%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 94,033 |
| Full model -2 Log Likelihood | 93,687 |
| Chi-square | 0,345 |
| DF | 1 |
| Significance level | P = 0,5569 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| CBD prosthesis diam.<6Fr | -0,30888 | 0,52630 | 0,5573 |
| Constant | 0,09531 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| CBD prosthesis diam.<6Fr | 0,7343 | 0,2617 to 2,0599 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 26 | 10 | 72,22 % |  |
| Y = 1         | 21 | 11 | 34,38 % |  |
| Percent of cases correctly classified | 54,41 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,533 |
| Standard Error | 0,0706 |
| 95% Confidence interval | 0,408 to 0,655 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie igłowe" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 84 |
| Cases with Y=0 | 43 (51,19%) |
| Cases with Y=1 | 41 (48,81%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 116,401 |
| Full model -2 Log Likelihood | 111,525 |
| Chi-square | 4,876 |
| DF | 3 |
| Significance level | P = 0,1811 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Two steps | -0,085933 | 0,46762 | 0,8542 |
| Endoscopic homeostasis | 1,68466 | 0,85798 | 0,0496 |
| Pathological sampling | 0,24946 | 0,63406 | 0,6940 |
| Constant | -0,2208 |   |   |

## Odds Ratios and 95%

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Two steps | 0,9177 | 0,3670 to 2,2947 |
| Endoscopic hoeostasis | 5,3906 | 1,0030 to 28,9711 |
| Pathological sampling | 1,2833 | 0,3704 to 4,4470 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 38 | 5 | 88,37 % |  |
| Y = 1         | 28 | 13 | 31,71 % |  |
| Percent of cases correctly classified | 60,71 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,578 |
| Standard Error | 0,0631 |
| 95% Confidence interval | 0,465 to 0,685 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie igłowe" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 68 |
| Cases with Y=0 | 36 (52,94%) |
| Cases with Y=1 | 32 (47,06%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 94,033 |
| Full model -2 Log Likelihood | 86,062 |
| Chi-square | 7,970 |
| DF | 3 |
| Significance level | P = 0,0466 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| CBD diam. | -17,98321 | 2830,25231 | 0,9949 |
| Prosthesis diam.<6Fr | -0,56175 | 0,54195 | 0,3000 |
| Wirsung prosthesis | 0,80164 | 0,96045 | 0,4039 |
| Constant | 18,0426 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| CBD | 0,0000 | 0,0000 to 0,0000 |
| Prosthesis diamm.< 6Fr | 0,5702 | 0,1971 to 1,6495 |
| Wirsung’s prosthesis | 2,2292 | 0,3393 to 14,6454 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 24 | 12 | 66,67 % |  |
| Y = 1         | 15 | 17 | 53,13 % |  |
| Percent of cases correctly classified | 60,29 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,625 |
| Standard Error | 0,0686 |
| 95% Confidence interval | 0,499 to 0,740 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

**2. Logistis regression Precut Classic Sphincterotomy PCS**

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie klasyczne" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 59 |
| Cases with Y=0 | 36 (61,02%) |
| Cases with Y=1 | 23 (38,98%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 78,903 |
| Full model -2 Log Likelihood | 78,584 |
| Chi-square | 0,319 |
| DF | 1 |
| Significance level | P = 0,5722 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Lithiasis | 0,30818 | 0,54527 | 0,5719 |
| Constant | -0,5705 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Kamica | 1,3609 | 0,4674 to 3,9627 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 36 | 0 | 100,00 % |  |
| Y = 1         | 23 | 0 | 0,00 % |  |
| Percent of cases correctly classified | 61,02 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,537 |
| Standard Error | 0,0778 |
| 95% Confidence interval | 0,402 to 0,668 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie klasyczne" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 59 |
| Cases with Y=0 | 36 (61,02%) |
| Cases with Y=1 | 23 (38,98%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 78,903 |
| Full model -2 Log Likelihood | 78,903 |
| Chi-square | 0,000344 |
| DF | 1 |
| Significance level | P = 0,9852 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| DIstal stenosis and tumor | 0,010149 | 0,54720 | 0,9852 |
| Constant | -0,4520 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| DIstal stenosis and tumor | 1,0102 | 0,3456 to 2,9525 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 36 | 0 | 100,00 % |  |
| Y = 1         | 23 | 0 | 0,00 % |  |
| Percent of cases correctly classified | 61,02 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,501 |
| Standard Error | 0,0777 |
| 95% Confidence interval | 0,368 to 0,634 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie klasyczne" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 59 |
| Cases with Y=0 | 36 (61,02%) |
| Cases with Y=1 | 23 (38,98%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 78,903 |
| Full model -2 Log Likelihood | 78,094 |
| Chi-square | 0,810 |
| DF | 1 |
| Significance level | P = 0,3682 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Middle Stenosis and Hilum | -0,64436 | 0,73760 | 0,3823 |
| Constant | -0,3365 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Middle Stenosis and Hilum | 0,5250 | 0,1237 to 2,2285 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 36 | 0 | 100,00 % |  |
| Y = 1         | 23 | 0 | 0,00 % |  |
| Percent of cases correctly classified | 61,02 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,546 |
| Standard Error | 0,0764 |
| 95% Confidence interval | 0,411 to 0,676 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie klasyczne" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 59 |
| Cases with Y=0 | 36 (61,02%) |
| Cases with Y=1 | 23 (38,98%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 78,903 |
| Full model -2 Log Likelihood | 78,901 |
| Chi-square | 0,00191 |
| DF | 1 |
| Significance level | P = 0,9652 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| CBD diam. < 9mm | -0,028161 | 0,64519 | 0,9652 |
| Constant | -0,4418 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| CBD diam. < 9 mm | 0,9722 | 0,2745 to 3,4432 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 36 | 0 | 100,00 % |  |
| Y = 1         | 23 | 0 | 0,00 % |  |
| Percent of cases correctly classified | 61,02 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,502 |
| Standard Error | 0,0777 |
| 95% Confidence interval | 0,369 to 0,635 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie klasyczne" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 59 |
| Cases with Y=0 | 36 (61,02%) |
| Cases with Y=1 | 23 (38,98%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 78,903 |
| Full model -2 Log Likelihood | 78,301 |
| Chi-square | 0,603 |
| DF | 1 |
| Significance level | P = 0,4376 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Bilirubin level –N | 0,54362 | 0,69844 | 0,4364 |
| Constant | -0,5436 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Poziom\_bilirubiny\_\_N | 1,7222 | 0,4381 to 6,7703 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 31 | 5 | 86,11 % |  |
| Y = 1         | 18 | 5 | 21,74 % |  |
| Percent of cases correctly classified | 61,02 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,539 |
| Standard Error | 0,0783 |
| 95% Confidence interval | 0,405 to 0,670 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie klasyczne" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 59 |
| Cases with Y=0 | 36 (61,02%) |
| Cases with Y=1 | 23 (38,98%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 78,903 |
| Full model -2 Log Likelihood | 74,033 |
| Chi-square | 4,870 |
| DF | 1 |
| Significance level | P = 0,0273 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Flat paillae | 1,21788 | 0,56159 | 0,0301 |
| Constant | -0,9555 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Flat paillae | 3,3800 | 1,1243 to 10,1614 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 26 | 10 | 72,22 % |  |
| Y = 1         | 10 | 13 | 56,52 % |  |
| Percent of cases correctly classified | 66,10 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,644 |
| Standard Error | 0,0752 |
| 95% Confidence interval | 0,508 to 0,764 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie klasyczne" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 59 |
| Cases with Y=0 | 36 (61,02%) |
| Cases with Y=1 | 23 (38,98%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 78,903 |
| Full model -2 Log Likelihood | 73,992 |
| Chi-square | 4,912 |
| DF | 1 |
| Significance level | P = 0,0267 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Prominent papillae | -1,28093 | 0,60553 | 0,0344 |
| Constant | -6,66139E-016 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Prominent paillae | 0,2778 | 0,0848 to 0,9102 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 36 | 0 | 100,00 % |  |
| Y = 1         | 23 | 0 | 0,00 % |  |
| Percent of cases correctly classified | 61,02 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,641 |
| Standard Error | 0,0731 |
| 95% Confidence interval | 0,506 to 0,762 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie klasyczne" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 59 |
| Cases with Y=0 | 36 (61,02%) |
| Cases with Y=1 | 23 (38,98%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 78,903 |
| Full model -2 Log Likelihood | 78,483 |
| Chi-square | 0,420 |
| DF | 1 |
| Significance level | P = 0,5169 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| In diverticulum | -0,47573 | 0,74878 | 0,5252 |
| Constant | -0,3716 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| In diverticulum | 0,6214 | 0,1432 to 2,6963 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 36 | 0 | 100,00 % |  |
| Y = 1         | 23 | 0 | 0,00 % |  |
| Percent of cases correctly classified | 61,02 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,532 |
| Standard Error | 0,0768 |
| 95% Confidence interval | 0,398 to 0,663 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie klasyczne" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 59 |
| Cases with Y=0 | 36 (61,02%) |
| Cases with Y=1 | 23 (38,98%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 78,903 |
| Full model -2 Log Likelihood | 78,901 |
| Chi-square | 0,00237 |
| DF | 1 |
| Significance level | P = 0,9612 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Tumor | 0,046503 | 0,95461 | 0,9611 |
| Constant | -0,4520 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Tumor | 1,0476 | 0,1613 to 6,8042 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 36 | 0 | 100,00 % |  |
| Y = 1         | 23 | 0 | 0,00 % |  |
| Percent of cases correctly classified | 61,02 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,502 |
| Standard Error | 0,0778 |
| 95% Confidence interval | 0,369 to 0,635 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie klasyczne" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 59 |
| Cases with Y=0 | 36 (61,02%) |
| Cases with Y=1 | 23 (38,98%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 78,903 |
| Full model -2 Log Likelihood | 78,854 |
| Chi-square | 0,0496 |
| DF | 1 |
| Significance level | P = 0,8237 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Endoscopic hoemostasis | 0,18232 | 0,81522 | 0,8230 |
| Constant | -0,4700 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Endoscopic homeostasis | 1,2000 | 0,2428 to 5,9308 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 36 | 0 | 100,00 % |  |
| Y = 1         | 23 | 0 | 0,00 % |  |
| Percent of cases correctly classified | 61,02 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,510 |
| Standard Error | 0,0779 |
| 95% Confidence interval | 0,376 to 0,642 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie klasyczne" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 59 |
| Cases with Y=0 | 36 (61,02%) |
| Cases with Y=1 | 23 (38,98%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 78,903 |
| Full model -2 Log Likelihood | 78,860 |
| Chi-square | 0,0432 |
| DF | 1 |
| Significance level | P = 0,8353 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Pathological sampling | -0,25783 | 1,25492 | 0,8372 |
| Constant | -0,4353 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Pathological sampling | 0,7727 | 0,0660 to 9,0414 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 36 | 0 | 100,00 % |  |
| Y = 1         | 23 | 0 | 0,00 % |  |
| Percent of cases correctly classified | 61,02 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,506 |
| Standard Error | 0,0775 |
| 95% Confidence interval | 0,373 to 0,639 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie klasyczne" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 59 |
| Cases with Y=0 | 36 (61,02%) |
| Cases with Y=1 | 23 (38,98%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 78,903 |
| Full model -2 Log Likelihood | 75,766 |
| Chi-square | 3,138 |
| DF | 1 |
| Significance level | P = 0,0765 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| CBD diam. > 9mm | 1,66966 | 1,10580 | 0,1311 |
| Constant | -1,9459 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| CBD prostehsis ? diam. < 6 Fr | 5,3103 | 0,6079 to 46,3873 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 36 | 0 | 100,00 % |  |
| Y = 1         | 23 | 0 | 0,00 % |  |
| Percent of cases correctly classified | 61,02 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,575 |
| Standard Error | 0,0748 |
| 95% Confidence interval | 0,440 to 0,703 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie klasyczne" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 51 |
| Cases with Y=0 | 29 (56,86%) |
| Cases with Y=1 | 22 (43,14%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 69,737 |
| Full model -2 Log Likelihood | 67,340 |
| Chi-square | 2,398 |
| DF | 1 |
| Significance level | P = 0,1215 |

## Coefficients and Standard

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| CBD prosthesis diam.<6 Fr | -1,00900 | 0,66189 | 0,1274 |
| Constant | 0,4700 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| CBD prosthesis diam.<6 Fr | 0,3646 | 0,0996 to 1,3342 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 24 | 5 | 82,76 % |  |
| Y = 1         | 14 | 8 | 36,36 % |  |
| Percent of cases correctly classified | 62,75 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,596 |
| Standard Error | 0,0819 |
| 95% Confidence interval | 0,449 to 0,731 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

**Logistic Regression (multifactor) Precut classic sphincterotomy**

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie klasyczne" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 59 |
| Cases with Y=0 | 36 (61,02%) |
| Cases with Y=1 | 23 (38,98%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 78,903 |
| Full model -2 Log Likelihood | 77,971 |
| Chi-square | 0,933 |
| DF | 3 |
| Significance level | P = 0,8176 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Kamica | -0,081160 | 1,06693 | 0,9394 |
| Zwęzenie\_na\_poziomie\_brodawki\_lub\_Dystalny\_odcinek\_guz\_trzustki | -0,26856 | 1,06830 | 0,8015 |
| Środkowy\_i\_wyżej | -0,81105 | 1,22492 | 0,5079 |
| Constant | -0,1698 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Kamica | 0,9220 | 0,1139 to 7,4635 |
| Zwęzenie\_na\_poziomie\_brodawki\_lub\_Dystalny\_odcinek\_guz\_trzustki | 0,7645 | 0,0942 to 6,2048 |
| Środkowy\_i\_wyżej | 0,4444 | 0,0403 to 4,9027 |

## Hosmer & Lemeshow test

|  |  |
| --- | --- |
| Chi-square | 2,3568 |
| DF | 3 |
| Significance level | P = 0,5017 |

## Contingency table for Hosmer & Lemeshow test [Show]

## Contingency table for Hosmer & Lemeshow test [Hide]

|  |  |  |  |
| --- | --- | --- | --- |
| Group | Y=0 | Y=1 | Total |
| Observed | Expected | Observed | Expected |
| 1 | 8 | 8,000 | 3 | 3,000 | 11 |
| 2 | 0 | 0,627 | 1 | 0,373 | 1 |
| 3 | 14 | 13,373 | 8 | 8,627 | 22 |
| 4 | 13 | 12,373 | 9 | 9,627 | 22 |
| 5 | 1 | 1,627 | 2 | 1,373 | 3 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 36 | 0 | 100,00 % |  |
| Y = 1         | 23 | 0 | 0,00 % |  |
| Percent of cases correctly classified | 61,02 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,565 |
| Standard Error | 0,0771 |
| 95% Confidence interval | 0,429 to 0,693 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie klasyczne" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 59 |
| Cases with Y=0 | 36 (61,02%) |
| Cases with Y=1 | 23 (38,98%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 78,903 |
| Full model -2 Log Likelihood | 77,971 |
| Chi-square | 0,933 |
| DF | 3 |
| Significance level | P = 0,8176 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Kamica | -0,081160 | 1,06693 | 0,9394 |
| Zwęzenie\_na\_poziomie\_brodawki\_lub\_Dystalny\_odcinek\_guz\_trzustki | -0,26856 | 1,06830 | 0,8015 |
| Środkowy\_i\_wyżej | -0,81105 | 1,22492 | 0,5079 |
| Constant | -0,1698 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Kamica | 0,9220 | 0,1139 to 7,4635 |
| Zwęzenie\_na\_poziomie\_brodawki\_lub\_Dystalny\_odcinek\_guz\_trzustki | 0,7645 | 0,0942 to 6,2048 |
| Środkowy\_i\_wyżej | 0,4444 | 0,0403 to 4,9027 |

## Hosmer & Lemeshow test

|  |  |
| --- | --- |
| Chi-square | 2,3568 |
| DF | 3 |
| Significance level | P = 0,5017 |

## Contingency table for Hosmer & Lemeshow test [Show]

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 36 | 0 | 100,00 % |  |
| Y = 1         | 23 | 0 | 0,00 % |  |
| Percent of cases correctly classified | 61,02 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,565 |
| Standard Error | 0,0771 |
| 95% Confidence interval | 0,429 to 0,693 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie klasyczne" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 59 |
| Cases with Y=0 | 36 (61,02%) |
| Cases with Y=1 | 23 (38,98%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 78,903 |
| Full model -2 Log Likelihood | 70,351 |
| Chi-square | 8,552 |
| DF | 4 |
| Significance level | P = 0,0733 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Flat | -17,04568 | 2759,24639 | 0,9951 |
| Prominent | -18,53182 | 2759,24637 | 0,9946 |
| In diverticulum | -18,00120 | 2759,24633 | 0,9948 |
| Tumor | -16,61490 | 2759,24608 | 0,9952 |
| Constant | 17,3080 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Flat | 0,0000 | 0,0000 to 0,0000 |
| Prominent | 0,0000 | 0,0000 to 0,0000 |
| In diverticulum | 0,0000 | 0,0000 to 0,0000 |
| Tumor | 0,0000 | 0,0000 to 0,0000 |

## Hosmer & Lemeshow test

|  |  |
| --- | --- |
| Chi-square | 0,00000004832 |
| DF | 3 |
| Significance level | P = 1,0000 |

## Contingency table for Hosmer & Lemeshow test [Show]

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 25 | 11 | 69,44 % |  |
| Y = 1         | 8 | 15 | 65,22 % |  |
| Percent of cases correctly classified | 67,80 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,700 |
| Standard Error | 0,0697 |
| 95% Confidence interval | 0,567 to 0,812 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |

Logistic regression

|  |  |
| --- | --- |
| Dependent Y | Amyl\_po\_4h\_\_80Amyl po 4h >80 |
| Select | Grupa="Nacięcie klasyczne" |

|  |  |
| --- | --- |
| Method | Enter |

|  |  |
| --- | --- |
| Sample size | 59 |
| Cases with Y=0 | 36 (61,02%) |
| Cases with Y=1 | 23 (38,98%) |

## Overall Model Fit

|  |  |
| --- | --- |
| Null model -2 Log Likelihood | 78,903 |
| Full model -2 Log Likelihood | 77,719 |
| Chi-square | 1,185 |
| DF | 3 |
| Significance level | P = 0,7567 |

## Coefficients and Standard Errors

|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Coefficient | Std. Error | P |
| Two -steps | 1,06743 | 1,03760 | 0,3036 |
| Endoscopic hoemostasis | -0,098980 | 0,87976 | 0,9104 |
| Patholgical sampling | -0,58436 | 1,34881 | 0,6648 |
| Constant | -0,5018 |   |   |

## Odds Ratios and 95% Confidence Intervals

|  |  |  |
| --- | --- | --- |
| Variable | Odds ratio | 95% CI |
| Two steps | 2,9079 | 0,3805 to 22,2231 |
| Endoscopic homeostasis | 0,9058 | 0,1615 to 5,0802 |
| Pathological sampling | 0,5575 | 0,0396 to 7,8405 |

## Hosmer & Lemeshow test

|  |  |
| --- | --- |
| Chi-square | 0,05630 |
| DF | 1 |
| Significance level | P = 0,8124 |

## Contingency table for Hosmer & Lemeshow test [Show]

## Contingency table for Hosmer & Lemeshow test [Hide]

|  |  |  |  |
| --- | --- | --- | --- |
| Group | Y=0 | Y=1 | Total |
| Observed | Expected | Observed | Expected |
| 1 | 5 | 4,724 | 2 | 2,276 | 7 |
| 2 | 29 | 29,276 | 18 | 17,724 | 47 |
| 3 | 2 | 2,000 | 3 | 3,000 | 5 |

## Classification table (cut-off value p=0,5)

|  |  |  |
| --- | --- | --- |
| Actual group | Predicted group | Percent correct |
|   | 0 | 1 |   |  |
| Y = 0         | 35 | 1 | 97,22 % |  |
| Y = 1         | 20 | 3 | 13,04 % |  |
| Percent of cases correctly classified | 64,41 % |  |

## ROC curve analysis

|  |  |
| --- | --- |
| Area under the ROC curve (AUC)  | 0,556 |
| Standard Error | 0,0777 |
| 95% Confidence interval | 0,420 to 0,685 |

|  |  |
| --- | --- |
|   | Save predicted probabilities - Save residuals |