|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **NO.** | **Sex** | **Age** | **Duration**  **(Month)** | **Side** | **BMI**  **(Kg/m2)** | **Hb (g/L)** | **Hearing**  **Right Left** | **CT/Side** | **MRV/Side** | **Three days after surgery** | **Current situation** |
| **1** | **F** | **55** | **18** | **R** | **20.70** | **99** | **CLFD, N** | **DSSW/R** | **N** | **Slight improvement** | **Slight improvement** |
| **2** | **F** | **42** | **6** | **R** | **24.80** | **116** | **N, N** | **DSSW/R** | **VAS//R** | **Disappeared** | **Disappeared** |
| **3** | **F** | **51** | **12** | **R** | **29.09** | **119** | **N, N** | **DSSW/R** | **ES** | **Disappeared** | **Obviously improved** |
| **4** | **F** | **24** | **12** | **L** | **19.14** | **119** | **N, N** | **HJB/L** | **HJB/L** | **No change** | **No change** |
| **5** | **F** | **29** | **36** | **R** | **26.90** | **131** | **SLFD, N** | **DSSW/R** | **N** | **Slight improvement** | **No change** |
| **6** | **F** | **28** | **12** | **R** | **23.44** | **125** | **N, N** | **DSSW+HJB/R** | **HJB/R** | **Disappeared** | **Obviously improved** |
| **7** | **F** | **40** | **1** | **R** | **20.70** | **113** | **N, N** | **SSD+HJB/R** | **TSS/L+ HJB/R** | **Disappeared** | **Disappeared** |
| **8** | **F** | **27** | **4** | **R** | **19.10** | **102** | **N, N** | **SSD+HJB/R** | **TSS/L+ HJB/R** | **No change** | **No change** |
| **9** | **F** | **33** | **36** | **R** | **19.98** | **109** | **N, N** | **DSSW/R** | **N** | **Disappeared** | **Obviously improved** |
| **10** | **F** | **46** | **96** | **L** | **24.84** | **60** | **N, N** | **HJB/R** | **HJB/R** | **No change** | **No change** |
| **11** | **F** | **23** | **2** | **R** | **31.49** | **76** | **N, N** | **SSD/R** | **TSS/L** | **Disappeared** | **Disappeared** |
| **12** | **F** | **34** | **48** | **R** | **25.34** | **112** | **SLFD, N** | **DSSW+HJB/R** | **HJB/R** | **Obviously improved** | **Obviously improved** |
| **13** | **F** | **47** | **1** | **R** | **25.53** | **127** | **N, N** | **HJB/R** | **HJB/R** | **Obviously improved** | **Obviously improved** |
| **14** | **F** | **31** | **2** | **B** | **23.44** | **125** | **N, N** | **ASS/B** | **ACAS/R** | **No change** | **No change** |
| **15** | **F** | **37** | **24** | **R** | **21.64** | **113** | **SLFD, N** | **SSD/R** | **ES** | **Disappeared** | **Disappeared** |
| **16** | **F** | **44** | **24** | **R** | **22.15** | **91** | **N, N** | **HJB/R** | **HJB/R** | **Slight improvement** | **Slight improvement** |
| **17** | **F** | **42** | **12** | **R** | **24.72** | **117** | **SHFD, N** | **SSD/R** | **N** | **Obviously improved** | **Obviously improved** |
| **18** | **F** | **51** | **120** | **R** | **27.06** | **133** | **N, N** | **DSSW/R** | **N** | **No change** | **No change** |
| **19** | **F** | **50** | **480** | **R** | **20.06** | **111** | **SLFD, N** | **SSD+HJB/R** | **VAS/R+ HJB /R** | **Slight improvement** | **No change** |
| **20** | **F** | **36** | **12** | **R** | **21.41** | **98** | **N, N** | **HJB/R** | **HJB** | **Slight improvement** | **Obviously improved** |
| **21** | **F** | **46** | **2** | **L** | **24.09** | **125** | **N, N** | **HJB/L** | **VAS/R + HJB/L** | **Disappeared** | **Disappeared** |
| **22** | **F** | **35** | **6** | **R** | **21.48** | **121** | **N, N** | **SSD+HJB/R** | **HJB/R** | **Obviously improved** | **Obviously improved** |
| **23** | **F** | **38** | **3** | **R** | **22.60** | **130** | **N, N** | **SSD/R** | **N** | **Disappeared** | **Disappeared** |
| **24** | **F** | **50** | **2** | **R** | **19.63** | **130** | **N, N** | **SSD+HJB/R** | **HJB/R** | **Disappeared** | **Disappeared** |
| **25** | **F** | **24** | **12** | **R** | **20.20** | **110** | **SLFD, N** | **DSSW/R** | **N** | **No change** | **No change** |
| **26** | **F** | **24** | **5** | **R** | **21.08** | **128** | **N, N** | **DSSW/R** | **N** | **Disappeared** | **Obviously improved** |
| **27** | **F** | **30** | **36** | **R** | **21.80** | **114** | **CLFD, N** | **DSSW+JBD/R** | **JBD/R** | **Slight improvement** | **Obviously improved** |
| **28** | **F** | **47** | **5** | **R** | **23.31** | **98** | **N, N** | **SSD+HJB/R** | **HJB/R** | **Disappeared** | **Disappeared** |
| **29** | **F** | **34** | **2** | **R** | **22.48** | **121** | **N, N** | **DSSW/R** | **N** | **Disappeared** | **Disappeared** |
| **30** | **F** | **35** | **60** | **L** | **22.76** | **121** | **SFFD, N** | **HJB/L** | **HJB/L** | **Disappeared** | **Disappeared** |
| **31** | **F** | **55** | **12** | **R** | **22.66** | **121** | **CHFD, N** | **SSD/R** | **ACAS/L** | **Obviously improved** | **Obviously improved** |
| **32** | **F** | **31** | **12** | **L** | **29.72** | **134** | **N, SLFD** | **DSSW/R** | **N** | **Disappeared** | **Obviously improved** |
| **33** | **M** | **46** | **360** | **R** | **23.04** | **143** | **SFFD, N** | **HJB/L** | **HJB/L** | **No change** | **No change** |
| **34** | **F** | **37** | **3** | **L** | **20.20** | **113** | **SFFD,SFFD** | **DSSW/L** | **N** | **Disappeared** | **Disappeared** |
| **35** | **F** | **26** | **24** | **R** | **21.12** | **124** | **SLFD, N** | **DSSW+ HJB/R** | **HJB/R** | **Disappeared** | **Disappeared** |
| **36** | **F** | **43** | **48** | **R** | **25.78** | **117** | **N, N** | **HJB/R** | **HJB/R** | **No change** | **No change** |
| **37** | **F** | **29** | **24** | **R** | **22.86** | **117** | **N, N** | **ASS+HJB/R** | **TSS/L+ HJB/R** | **Obviously improved** | **Obviously improved** |
| **38** | **F** | **45** | **24** | **R** | **25.15** | **72** | **SLFD, N** | **ASS+HJB/R** | **TSS/L +HJB/R** | **No change** | **No change** |
| **39** | **F** | **40** | **36** | **L** | **23.86** | **64** | **N, N** | **HJB/L** | **SSD/R+ HJB/L** | **No change** | **No change** |
| **40** | **F** | **55** | **36** | **R** | **22.31** | **127** | **N, N** | **DSSW/R** | **N** | **Obviously improved** | **No change** |
| **41** | **F** | **52** | **3** | **R** | **32.05** | **136** | **CLFD, N** | **SSD/R** | **N** | **Disappeared** | **Disappeared** |
| **42** | **F** | **41** | **4** | **R** | **22.27** | **121** | **N, N** | **DSSW/R** | **VAS/R** | **No change** | **No change** |
| **43** | **F** | **44** | **96** | **R** | **17.98** | **107** | **N, N** | **ASS/R** | **N** | **No change** | **No change** |
| **44** | **F** | **53** | **120** | **B** | **24.24** | **112** | **N, N** | **SSD/R** | **N** | **Disappeared** | **Disappeared** |
| **45** | **F** | **33** | **2** | **R** | **18.37** | **127** | **N, N** | **SSD/R** | **N** | **No change** | **No change** |
| **46** | **F** | **43** | **120** | **R** | **21.88** | **100** | **N, N** | **ASS+ SSD/R** | **N** | **Obviously improved** | **Obviously improved** |
| **47** | **F** | **36** | **8** | **R** | **22.22** | **90** | **N, N** | **DSSW/R** | **N** | **Disappeared** | **Disappeared** |
| **48** | **M** | **65** | **7** | **R** | **34.60** | **129** | **N, N** | **SSD/R** | **VAS/R** | **Disappeared** | **Disappeared** |
| **49** | **F** | **54** | **36** | **R** | **29.38** | **120** | **N, N** | **SSD/R** | **N** | **Disappeared** | **Disappeared** |
| **50** | **F** | **48** | **12** | **L** | **34.29** | **58** | **N, CLFD** | **HJB/L** | **HJB/L** | **No change** | **No change** |
| **51** | **F** | **44** | **9** | **R** | **21.83** | **101** | **N, N** | **SSD/R** | **N** | **Disappeared** | **Disappeared** |
| **52** | **F** | **40** | **84** | **L** | **25.39** | **126** | **N, N** | **HJB/L** | **HJB/L** | **No change** | **No change** |

**Table I. Clinical characteristics of 52 patients with PT.**

ACAS, anterior cerebral artery stenosis; ASS, anterior sigmoid sinus; CHFD, conductive high-frequency deafness; CLFD, conductive low-frequency deafness; DSSW, defect of sigmoid sinus wall; ES, empty sella; F, female; Hb, hemoglobin; HJB, high jugular bulb; JBD, jugular bulb diverticulum; L, left; M, male; N,normal; R, right; SFFD, sensorineural full - frequency deafness; SHFD, sensorineural high-frequency deafness; SLFD, sensorineural low-frequency deafness; SSD, sigmoid sinus diverticulum; TSS, transverse sinus stenosis; VAS, vertebral artery stenosis.

**Table II. Sex, age of onset and lateral characteristics of 52 patients with PT.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Projects** | **Number** | **Rate (%)** | **Chi-square and P values** |
| **Sex** |  |  |  |
| **male** | **2** | **3.8%** | ***χ2*=44.308, *P*＜0.001** |
| **female** | **50** | **96.2%** |
|  |  |  |  |
| **Age of onset** |  |  |  |
| **10-20** | **2** | **3.8%** |  |
| **21-30** | **14** | **26.9%** |  |
| **31-40** | **16** | **30.8%** |  |
| **41-50** | **14** | **26.9%** |  |
| **51-60** | **5** | **9.6%** |  |
| **＞60** | **1** | **1.9%** |  |
|  |  |  |  |
| **Side** |  |  |  |
| **unilateral** | **50** | **96.2%** | ***χ2*=44.308, *P*＜0.001** |
| **bilateral** | **2** | **3.8%** |
| **right** | **41** | **78.8%** | ***χ2*=20.480, *P*＜0.001** |
| **left** | **9** | **17.3%** |

**Table III. Correlation analysis of duration, BMI and hemoglobin with prognosis of patients with PT.**

|  |  |  |
| --- | --- | --- |
| **Projects** | **P value** | **95% confidence interval** |
| **Duration - Three days after surgery** | **0.013** | **[-0.589,-0.063]** |
| **Duration - Current situation** | **0.004** | **[-0.640,-0.134]** |
| **BMI - Three days after surgery** | **0.523** | **[-0.209,0.384]** |
| **BMI - Current situation** | **0.613** | **[-0.238,0.354]** |
| **Hemoglobin -Three days after surgery** | **0.219** | **[-0.115,0.447]** |
| **Hemoglobin - Current situation** | **0.636** | **[-0.206,0.358]** |

**Table IV. Abnormal imaging and surgical prognosis of 52 patients with PT.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type** | **Number** | **Rate (%)** | **Three days after surgery**  **Invalid ;Valid** | **Current situation**  **Invalid;Valid** |
| **ACAS+ASS** | **1** | **1.9%** | **1;0** | **1;0** |
| **ACAS+SSD** | **1** | **1.9%** | **0;1** | **0;1** |
| **ASS** | **1** | **1.9%** | **1;0** | **1;0** |
| **ASS+HJB+TSS** | **2** | **3.8%** | **1;1** | **1;1** |
| **ASS+SSD** | **1** | **1.9%** | **0;1** | **0;1** |
| **DSSW** | **11** | **21.2%** | **4;7** | **5;6** |
| **DSSW+ES** | **1** | **1.9%** | **0;1** | **0;1** |
| **DSSW+HJB** | **3** | **5.8%** | **0;3** | **0;3** |
| **DSSW+JBD** | **1** | **1.9%** | **1;0** | **0;1** |
| **DSSW+VAS** | **2** | **3.8%** | **1;1** | **1;1** |
| **ES+SSD** | **1** | **1.9%** | **0;1** | **0;1** |
| **HJB** | **10** | **19.2%** | **8;2** | **7;3** |
| **HJB+SSD** | **4** | **7.7%** | **1;3** | **1;3** |
| **HJB+SSD+TSS** | **2** | **3.8%** | **1;1** | **1;1** |
| **HJB+SSD+VAS** | **1** | **1.9%** | **1;0** | **1;0** |
| **HJB+VAS** | **1** | **1.9%** | **0;1** | **0;1** |
| **SSD** | **7** | **13.5%** | **1;6** | **1;6** |
| **SSD+TSS** | **1** | **1.9%** | **0;1** | **0;1** |
| **SSD+VAS** | **1** | **1.9%** | **0;1** | **0;1** |
| **Total** | **52** | **100%** | **21;31** | **20;32** |