**Online resource 2.** Uni- and multivariate analyses of factors predicting a poor response to dopamine agonists, arbitrarily defined as both the lack of normalization of prolactin concentrations and the lack of a more than 50%-reduction of the largest tumor coronal surface after one year of medical treatment with dopamine agonists.

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| --- | --- | --- |
|  | **Univariate analysis** | **Multivariate analysis** |
| Variable | Odds ratio | 95% CI | *P value* | Odds ratio | 95% CI | *P value* |
| Male gender | **2.771** | [0.993-8.231] | **0.067** | - | - | 0.380 |
| Tumor height (mm) | **1.059** | [0.997-1.167] | **0.064** | - | - | 0.434 |
| Invasive tumor | 2.436 | [0.584-6.993] | 0.291 | N/I | N/I | N/I |
| T2 hyperintense tumor | 1.800 | [0.552-5.868] | 0.330 | N/I | N/I | N/I |
| T2 heterogeneous tumor | **2.727** | [0.956-7.778] | **0.061** | - | - | 0.291 |

*CI: confidence interval; NS: not significant; N/I: not included in the multivariate analysis*