

**Supplementary Table 2. Comparison of reasons to undergo surgery between neurofibroma subtypes**

Reasons to excise cutaneous NF	Cutaneous (%)	Non-cutaneous (%)	<i>p</i> -value
Cosmetic disturbance	51/350 (14.6)	3/33 (9.1)	0.384
Pain of tumor	52/350 (14.9)	21/33 (63.6)	<0.001*
Itch of tumor	2/350 (0.6)	1/33 (0.3)	0.126
Burden of tumor	314/350 (89.7)	20/33 (60.6)	<0.001*

  

Reasons to excise nodular plexiform NF	Nodular (%)	Non-nodular (%)	<i>p</i> -value
Cosmetic disturbance	2/26 (7.7)	52/357 (14.6)	0.331
Pain of tumor	16/26 (61.5)	57/357 (16.0)	<0.001*
Itch of tumor	1/26 (3.8)	2/357 (0.6)	0.067
Burden of tumor	16/26 (61.5)	318/357 (89.1)	<0.001*

  

Reasons to excise diffuse plexiform NF	Diffuse (%)	Non-diffuse (%)	<i>p</i> -value
Cosmetic disturbance	2/26 (7.7)	52/357 (14.6)	0.331
Pain of tumor	17/26 (65.4)	56/357 (15.7)	<0.001*
Itch of tumor	1/26 (3.8)	2/357 (0.6)	0.067
Burden of tumor	21/26 (80.8)	313/357 (87.7)	0.309

NF, neurofibroma. \*Statistically significant.