Epidemiological and Clinical Burden Associated with Plexiform Neurofibromas in Pediatric Neurofibromatosis Type-1 (NF-1): a Systematic Literature Review

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## ONLINE SUPPLEMENT

### Table S1 Embase via Ovid (October 2, 2019)

| Query                                                                 | Yield  |
|----------------------------------------------------------------------|--------|
| 1 (neurofibromatosis type 1 or type 1 neurofibromatosis).ti,ab.      | 6,562  |
| 2 "NF1".ti,ab.                                                      | 8,071  |
| 3 (Recklinghausen* or Recklinghausen* disease or Recklinghausen* syndrome or von Recklinghausen*).ti,ab. | 3,043  |
| 4 1 or 2 or 3 or exp neurofibromatosis type 1/                       | 14,208 |
| 5 plexiform neurofibroma*.ti,ab.                                    | 1,405  |
| 6 (epidemiology or incidence or prevalence or mortality or survival).ti,ab. or exp epidemiology/ | 5,129,940 |
| 7 (surgery or surg*).ti,ab. or exp surgery/                         | 5,249,152 |
| 8 5 and 7                                                           | 576    |
| 9 4 or 5                                                            | 14,674 |
| 10 6 and 9                                                          | 2,953  |
| 11 (pain*).ti,ab. or pain/ or pain assessment/ or pain measurement/ | 1,038,720 |
| 12 5 and 11                                                          | 206    |
| 13 8 or 10 or 12                                                    | 3,508  |
| 14 review.pt. not (systematic or meta$).mp.                         | 1,875,541 |
| 15 (book or chapter or editorial or erratum or letter or note or short survey).pt. | 3,107,781 |
| 16 exp quality control/ or "quality control".mp. or theoretical study/ or "theoretical study".mp. or methodology/ or "methodology study".mp. | 2,440,552 |
| 17 animal cell/ or "animal cell".mp. or animal experiment/ or "animal experiment".mp. or animal model/ or "animal model".mp. or cancer cell culture/ or "cancer cell culture".mp. or human cell/ or "human cell".mp. or human tissue/ or "human tissue".mp. or exp in vitro study/ or "in vitro study".mp. or nonhuman/ or "nonhuman".mp. or exp biological model/ or "biological model".mp. or exp cell culture/ or "cell culture".mp. or diagnostic test accuracy study/ or "diagnostic test accuracy study".mp. | 9,457,079 |
| 18 conference abstract.pt.                                          | 3,594,567 |
| 19 14 or 15 or 16 or 17 or 18                                       | 17,935,042 |
| 20 13 not 19                                                        | 1,351  |
### Table S2 MEDLINE via Ovid (October 2, 2019)

|   | Query                                                                 | Yield   |
|---|----------------------------------------------------------------------|---------|
| 1 | (neurofibromatosis type 1 or type 1 neurofibromatosis).ti,ab.         | 5,075   |
| 2 | "NF1".ti,ab.                                                          | 5,238   |
| 3 | (Recklinghausen* or Recklinghausen* disease or Recklinghausen* syndrome or von Recklinghausen*).ti,ab. | 3,214   |
| 4 | 1 or 2 or 3 or exp Neurofibromatosis 1/                             | 14,088  |
| 5 | plexiform neurofibroma*.ti,ab.                                       | 1,110   |
| 6 | (epidemiology or incidence or prevalence or mortality or survival).ti,ab. or exp epidemiology/      | 2,619,572|
| 7 | (surgery or surg*).ti,ab. or exp General Surgery/                   | 1,833,522|
| 8 | 5 and 7                                                              | 263     |
| 9 | 4 or 5                                                               | 14,387  |
| 10| 6 and 9                                                              | 1,397   |
| 11| pain*.ti,ab. or exp Pain/ or exp Pain Measurement/ or exp Pain Management/ | 815,691 |
| 12| 5 and 11                                                             | 132     |
| 13| 8 or 10 or 12                                                        | 1,703   |
| 14| review.pt. not (systematic or meta$).mp.                             | 1,695,649|
| 15| (book or chapter or editorial or erratum or letter or note or short survey).pt. | 1,547,298|
| 16| exp quality control/ or "quality control".mp. or models, theoretical/ or "theoretical study".mp. or "methodology study".mp. | 233,287 |
| 17| "animal cell".mp. or animal experimentation/ or "animal experiment".mp. or models, animal/ or "animal model".mp. or tumor cells cultured/ or "cancer cell culture".mp. or "human cell".mp. or tissues/ or "human tissue".mp. or exp in vitro techniques/ or "in vitro study".mp. or animals/ or "nonhuman".mp. or exp models, biological/ or "biological model".mp. or exp cell culture techniques/ or "cell culture".mp. or "diagnostic test accuracy study".mp. | 7,074,312|
| 18| 14 or 15 or 16 or 17                                                | 9,982,885|
| 19| 13 not 18                                                            | 1,337   |
### Table S3 List of conferences included in grey literature searches

| Conference Searches                                                                 |
|-------------------------------------------------------------------------------------|
| American Society of Clinical Oncology (ASCO)                                       |
| European Society for Medical Oncology (ESMO)                                        |
| International Conference on Neurofibromatosis 1, Neurofibromatosis 2, and Schwannomatosis (Children’s Tumor Foundation) |
| International Symposium on Pediatric Neuro-Oncology (ISPNO)                         |
| Society for Neuro-Oncology’s Pediatric Neuro-Oncology Basic and Translational Research Conference. |