**Supplementary Table S1.** Baseline Demographics of non-neoplastic versus neoplastic groups.

| | | Idiopathic (n=14) | Neoplastic causes (n=14) | Total |
|---|---|---|---|---|
| **Sex** | Female | 12 (85.7%) | 6 (42.9%) | 18 |
| | Male | 2 (14.3%) | 8 (57.1%) | 10 |
| **Age at first symptoms (median and range in years)** | | 9.3 (3.6–16) | 11 (5–16.3) | 9.7 (3.6–16.3) |
| **Age at diagnosis of PST (median and range in years)** | | 10.7 (3.8–16.2) | 11.1 (5.2–16.5) | 10.9 (3.8–16.5) |
| **Presenting Symptoms** | Polyuria/polydipsia | 4 | 13 | 17 |
| | Growth retardation | 2 | 7 | 9 |
| | Precocious puberty | 7 | 1 | 8 |
| | Delayed puberty | 2 | 3 | 5 |
| | Headache | 2 | 3 | 5 |
| | Visual problems | 4 | 5 | 9 |
| | Weight loss | 1 | 2 | 3 |
| | Lethargy | 1 | 2 | 3 |
| | Dizziness | 0 | 1 | 1 |
| | Poor appetite | 2 | 1 | 3 |
| | Decrease libido | 0 | 1 | 1 |
| **Visual Problems** | Visual field | 1 | 1 | 2 |
| | Visual acuity | 0 | 0 | 0 |
| | Papilledema | 0 | 1 | 1 |
| | Extropia/diplopia | 2 | 2 | 4 |
| | Parinaud syndrome | 0 | 1 | 1 |
| | Raised intra-ocular pressure | 0 | 1 | 1 |
| | Amblyopia | 1 | 0 | 1 |
| **Biopsy performed** | No | 14 (100%) | 3 (21.4%) | 17 |
| | Yes | 0 (0%) | 11 (78.6%) | 11 |
| **Stalk thickness at initial MRI** | Mild (<4mm) | 11 (78.6%) | 4 (28.6%) | 15 |
| | Moderate (4mm-<6.5mm) | 3 (21.4%) | 5 (35.7%) | 8 |
| | Severe (≥6.5mm) | 0 (0%) | 5 (35.7%) | 5 |
| **Maximal stalk thickness during FU** | <6.5mm | 14 (100%) | 2 (14.3 %) | 16 |
| | ≥6.5mm | 0 (0%) | 12 (85.7 %) | 12 |
| **Outcome** | Alive | 14 | 13 | 27 |
| | Died | 0 | 1 | 1 |