**Supplemental S1**

A number of publications in patients with CHH, whether they have CPHD or IHH, do not mention testes position nor orchiopexy. Our pubmed search retrieved a few publications motivated by genetic information, that indicated the occurrence and timing of orchiopexy in patients with IHH (1)(2)(3)(4)(5)(6)(7)(8)(9)(10)(11)(12). We have not been able to find comparable information for patients with CPHD.

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