



References

1. Growth Hormone Deficiency. 2016. Accessed April 8, 2021. <https://rarediseases.org/rare-diseases/growth-hormone-deficiency/>
2. Stanley T. Diagnosis of growth hormone deficiency in childhood. *Curr Opin Endocrinol Diabetes Obes.* 2012;19(1):47-52. doi:10.1097/MED.0b013e32834ec952
3. Stochholm K, Gravholt CH, Laursen T, et al. Mortality and GH deficiency: a nationwide study. *Eur J Endocrinol.* 2007;157(1):9-18. doi:10.1530/EJE-07-0013
4. Ahmid M, Perry CG, Ahmed SF, Shaikh MG. Growth hormone deficiency during young adulthood and the benefits of growth hormone replacement. *Endocr Connect.* 2016;5(3):R1-R11. doi:10.1530/EC-16-0024
5. Stagi S, Scalini P, Farello G, Verrotti A. Possible effects of an early diagnosis and treatment in patients with growth hormone deficiency: the state of art. *Ital J Pediatr.* 2017;43(1):81. doi:10.1186/s13052-017-0402-8
6. Rosen T, Bengtsson BA. Premature mortality due to cardiovascular disease in hypopituitarism. *Lancet.* 1990;336(8710):285-288. doi:10.1016/0140-6736(90)91812-o
7. Grimberg A, DiVall SA, Polychronakos C, et al. Guidelines for Growth Hormone and Insulin-Like Growth Factor-I Treatment in Children and Adolescents: Growth Hormone Deficiency, Idiopathic Short Stature, and Primary Insulin-Like Growth Factor-I Deficiency. *Horm Res Paediatr.* 2016;86(6):361-397. doi:10.1159/000452150
8. Yuen KCJ, Biller BMK, Radovick S, et al. American Association of Clinical Endocrinologists and American College of Endocrinology Guidelines for Management of Growth Hormone Deficiency in Adults and Patients Transitioning from Pediatric to Adult Care. *Endocr Pract.* 2019;25(11):1191-1232. doi:10.4158/GL-2019-0405
9. Graham S, Weinman J, Auyeung V. Identifying Potentially Modifiable Factors Associated with Treatment Non-Adherence in Paediatric Growth Hormone Deficiency: A Systematic Review. *Horm Res Paediatr.* 2018;90(4):221-227. doi:10.1159/000493211
10. Wit JM, Kamp GA, Rikken B. Spontaneous growth and response to growth hormone treatment in children with growth hormone deficiency and idiopathic short stature. *Pediatr Res.* 1996;39(2):295-302. doi:10.1203/00006450-199602000-00018
11. Reiter EO, Price DA, Wilton P, Albertsson-Wikland K, Ranke MB. Effect of growth hormone (GH) treatment on the near-final height of 1258 patients with idiopathic GH deficiency: analysis of a large international database. *J Clin Endocrinol Metab.* 2006;91(6):2047-2054. doi:10.1210/jc.2005-2284
12. Grimberg A, Allen DB. Growth hormone treatment for growth hormone deficiency and idiopathic short stature: new guidelines shaped by the presence and absence of evidence. *Curr Opin Pediatr.* 2017;29(4):466-471. doi:10.1097/MOP.0000000000000505



13. Burgers AM, Biermasz NR, Schoones JW, et al. Meta-analysis and dose-response metaregression: circulating insulin-like growth factor I (IGF-I) and mortality. *J Clin Endocrinol Metab.* 2011;96(9):2912-2920. doi:10.1210/jc.2011-1377
14. Mauras N, Attie KM, Reiter EO, Saenger P, Baptista J. High dose recombinant human growth hormone (GH) treatment of GH-deficient patients in puberty increases near-final height: a randomized, multicenter trial. Genentech, Inc., Cooperative Study Group. *J Clin Endocrinol Metab.* 2000;85(10):3653-3660. doi:10.1210/jcem.85.10.6906
15. Tauber M, Moulin P, Pienkowski C, Jouret B, Rochiccioli P. Growth hormone (GH) retesting and auxological data in 131 GH-deficient patients after completion of treatment. *J Clin Endocrinol Metab.* 1997;82(2):352-356. doi:10.1210/jcem.82.2.3726
16. Raman S, Grimberg A, Waguespack SG, et al. Risk of Neoplasia in Pediatric Patients Receiving Growth Hormone Therapy--A Report From the Pediatric Endocrine Society Drug and Therapeutics Committee. *J Clin Endocrinol Metab.* 2015;100(6):2192-2203. doi:10.1210/jc.2015-1002
17. Kon AA. The shared decision-making continuum. *JAMA.* 2010;304(8):903-904. doi:10.1001/jama.2010.1208
18. Acerini CL, Segal D, Criseno S, et al. Shared Decision-Making in Growth Hormone Therapy-Implications for Patient Care. *Front Endocrinol (Lausanne).* 2018;9:688. doi:10.3389/fendo.2018.00688
19. Oyarzabal M, Aliaga M, Chueca M, Echarte G, Ulied A. Multicentre survey on compliance with growth hormone therapy: what can be improved? *Acta Paediatr.* 1998;87(4):387-391. doi:10.1080/08035259850156959
20. Rosenfeld RG, Bakker B. Compliance and persistence in pediatric and adult patients receiving growth hormone therapy. *Endocr Pract.* 2008;14(2):143-154. doi:10.4158/EP.14.2.143
21. Kapoor RR, Burke SA, Sparrow SE, et al. Monitoring of concordance in growth hormone therapy. *Arch Dis Child.* 2008;93(2):147-148. doi:10.1136/adc.2006.114249
22. Cutfield WS, Derraik JG, Gunn AJ, et al. Non-compliance with growth hormone treatment in children is common and impairs linear growth. *PLoS One.* 2011;6(1):e16223. doi:10.1371/journal.pone.0016223
23. Yuen KCJ, Biller BMK, Radovick S, et al. American Association of Clinical Endocrinologists and American College of Endocrinology Guidelines for Management of Growth Hormone Deficiency in Adults and Patients Transitioning from Pediatric to Adult Care. *Endocr Pract.* 2019;25(11):1191-1232. doi:10.4158/GL-2019-0405
24. Nutropin AQ (somatropin) injection. Package insert. Genentech; December 2016. Accessed April 8, 2021. https://www.gene.com/download/pdf/nutropin_aq_prescribing.pdf



25. HUMATROPE (somatropin) injection. Package insert. Eli Lilly and Company; October 2019. Accessed April 8, 2021. <http://pi.lilly.com/us/humatrope-pi.pdf>
26. GENOTROPIN (somatropin) injection. Package insert. Pfizer Inc.; April 2019. Accessed April 8, 2021. <http://labeling.pfizer.com/ShowLabeling.aspx?id=577>
27. SAIZEN (somatropin) injection. Package insert. EMD Serono; February 2020. Accessed April 8, 2021. <https://www.emdserono.com/us-en/pi/saizen-ce-pi.pdf>
28. NORDITROPIN (somatropin) injection. Package insert. Novo Nordisk; March 2020. Accessed April 8, 2021. <https://www.novo-pi.com/norditropin.pdf>
29. OMNITROPE (somatropin) injection. Package insert. Sandoz Inc.; June 2019. Accessed April 8, 2021. <https://www.novo-pi.com/norditropin.pdf>
30. Yuen KCJ, Miller BS, Boguszewski CL, Hoffman AR. Usefulness and Potential Pitfalls of Long-Acting Growth Hormone Analogs. *Front Endocrinol (Lausanne)*. 2021;12(38):637209. doi:10.3389/fendo.2021.637209
31. Johannsson G, Gordon MB, Hojby Rasmussen M, et al. Once-weekly Somapacitan is Effective and Well Tolerated in Adults with GH Deficiency: A Randomized Phase 3 Trial. *J Clin Endocrinol Metab*. 2020;105(4):e1358-e1376. doi:10.1210/clinem/dgaa049
32. Otsuka F, Takahashi Y, Tahara S, Ogawa Y, Hojby Rasmussen M, Takano K. Similar safety and efficacy in previously treated adults with growth hormone deficiency randomized to once-weekly somapacitan or daily growth hormone. *Clin Endocrinol (Oxf)*. 2020;93(5):620-628. doi:10.1111/cen.14273
33. Thornton P, Hofman P, Maniatis A, et al. OR17-4 Transcon Growth Hormone In The Treatment Of Pediatric Growth Hormone Deficiency: Results Of The Phase 3 Height Trial. *J Endocr Soc*. 2019;3(Supplement_1). doi:10.1210/js.2019-OR17-4
34. Maniatis AK, Nadgir U, Saenger P, et al. OR10-05 Phase 3 FliGHt Trial: Experience of Switching from Daily Growth Hormone Therapy to Once-Weekly TransCon HGH in Children with Growth Hormone Deficiency. *J Endocr Soc*. 2020;4(Supplement_1):OR10-05.
35. Deal CL, Pastrak A, Silverman LA, Valluri SR, Wajnrajch MP, Cara JF. OR10-06 Somatrogon Growth Hormone in the Treatment of Pediatric Growth Hormone Deficiency: Results of the Pivotal Pediatric Phase 3 Clinical Trial. *J Endocr Soc*. 2020;4(Supplement_1):OR10-06.
36. FDA accepts submission from Pfizer, OPKO for review of somatrogon to treat pediatric patients with growth hormone deficiency. January 4, 2021. Accessed April 8, 2021. [https://www.jhconline.com/fda-accepts-submission-from-pfizer-opko-for-review-of-somatrogon-to-treat-pediatric-patients-with-growth-hormone-deficiency.html#:~:text=announced%20today%20that%20the%20U.S.growth%20hormone%20deficiency%20\(GHD\)](https://www.jhconline.com/fda-accepts-submission-from-pfizer-opko-for-review-of-somatrogon-to-treat-pediatric-patients-with-growth-hormone-deficiency.html#:~:text=announced%20today%20that%20the%20U.S.growth%20hormone%20deficiency%20(GHD))