CURRICULUM VITAE

Name: Heba Hassan Elsedfy

Date and Place of Birth: 27th April, 1961, Giza

Nationality: Egyptian

Marital Status: Single

Home Address: 11, Shafik Ghorbal St, Heliopolis, Cairo, Egypt.

Current Position: Professor of Pediatrics - Faculty of Medicine Ain Shams University and head of Pediatric Endocrinology Unit – Ain Shams University Hospitals.

Educational Degrees:

- Study grant for 2 months at the Royal Hospital for Sick Children, Bristol, U.K, 1982.
- MB.B.Ch: Distinction with honor - Ain Shams University, 1984.
- M.Sc. Pediatrics: Distinction with honor - Ain Shams University, 1988.
- M.D. Pediatrics - Ain Shams University, 1992.
- Clinical attachment at the Department of Child Health, Royal Hospital for Sick Children, Glasgow UK, under supervision of Dr. Malcolm Donaldson for one month in 1995 and for six weeks in 1998.
- European Society of Pediatric Endocrinology (ESPE) winter school in Izmir, Turkey 2002.

Professional Experience and Posts:

- Rotating intern: 1985-1986 - Ain Shams University Hospitals, Cairo.
- Resident in Pediatric Department: 1986-1989 Children's Hospital - Ain Shams University, Cairo.
- Assistant Lecturer in Pediatrics: 1990-1993 Pediatrics Department - Ain Shams University, Cairo.
- Lecturer in Pediatrics: 1993-1998 Pediatrics Department - Ain Shams University, Cairo.
- Assistant Professor of Pediatrics: 1998-2003 Pediatrics Department - Ain Shams University, Cairo.
- Professor of Pediatrics: from 2003 Pediatrics Department - Ain Shams University, Cairo.
- Head of Medical Genetics Department from 5/3/2019 to 26/4/2021.

Membership:

- Member of the Scientific Committee of the Egyptian Reference Genome project.
- Member of the High Scientific Committee for Growth Hormone, Health Insurance Organization.
- Member of Presidential Initiative for Early Detection Of Genetic Diseases of Newborns.
- Member of Ain-Shams Pediatric Society.
- Member of the Egyptian Society of Pediatric Endocrinology and Diabetes.
- Secretary of the Egyptian Society for Congenital Malformations.
- Member of the Egyptian Society for Genetic Diseases.
- Member of اللجنة الوطنية للعلوم الوراثية from 18/11/2018 to 15/02/2022.
- Board chair of the Scientific Society of Human Teratology.
- Board member of the Egyptian Society of Human Genetics.
- Board member of the Egyptian Society of Genetically Underprivileged Families.

Scientific Awards:

- Ain Shams Award for international publication in 2022.

Scientific Activities:

- Principal investigator in a multicenter, Phase 2, randomized, open label, active-controlled, parallel group study investigating the safety, tolerability, and efficacy of different dose levels of ACP-001 administered once weekly versus standard daily rhGH replacement therapy in pre-pubertal children with Growth Hormone Deficiency (GHD).
- Sub-investigator in the trial of IGF1/BP3 in children with GHIS.
- Sub-investigator in the trial of IGF1 in children with GHIS.
- Sub-investigator in a phase III multi-centre, parallel randomised group study of safety and efficacy of the LB03002 a new sustained release formulation of human recombinant growth hormone in treatment of naïve children with growth failure due to insufficient secretion of endogenous growth hormone.
- On the editorial board of 2 journals: Rivista Italiana di Medicina dell'Adolescenza and Egyptian Journal of Medical Human Genetics.
- Helped in the supervision of 15 MD and 100 MSc theses in Pediatrics.
- Co-author of the following papers:

1. El Kholy MS, **Elsedfy HH**, Ismail HAM. Congenital hypothyroidism: Epidemiology and growth parameters. The Egyptian Journal of Pediatrics, 10 (1, 2): 175-187,

1993.

2. Baraka MA, **Elsedfy HH**, Ismail HAM, El Kholy MS. Congenital hypothyroidism: Mental and language development. The Egyptian Journal of Pediatrics, 10 (1, 2): 189-198, 1993.
3. Khazbak MA**, Elsedfy HH**, Kamal N. Brainstem auditory evoked potentials in infants and children with brain damage. The Egyptian Journal of Pediatrics, 12 (1, 2): 103-112, 1995.
4. El Kholy MS, **Elsedfy HH**, El Danasoury AS, Iskander SG. Insulin like growth factor 1 in growth hormone deficiency. Egyptian Medical Journal, 12 (2): 493-499, 1995.
5. Hassan T, El Shibiny AM, **Elsedfy HH**, Ghazal F. Management of cystic hepatic lesions in children. Egyptian Medical Journal, 12 (4): 576-586, 1995.
6. **Elsedfy HH**, Mabrouk GM, Tayim AH, El Kholy MS. Urinary growth hormone excretion as a screening test for growth hormone deficiency. The Egyptian Journal of Pediatrics, 12 (1, 2): 219-231, 1995.
7. El Kholy MS, Khazbak MA, **Elsedfy HH**, Faris L, Rafik M. Effect of cranial irradiation on some functions of the hypophysis in children. The Egyptian Journal of Pediatrics, 12 (1, 2): 125-140, 1995.
8. El Alfy MS, **Elsedfy HH**, El Sebai AAM, Mahmoud S, Sherief A, El Kholy MS. Growth hormone releasing factor levels in growth hormone deficiency. Ain Shams Medical Journal, 46 (10, 11): 1331-1335, 1995.
9. Abdel Fattah SM, **Elsedfy HH**, El Gendi HM, Ahmed HA. Effect of maternal hypertension on neonatal neutrophils. The Egyptian Journal of Hematology, 20 (2): 176-183, 1995.
10. El Kabbany ZA, **Elsedfy HH**, Youssef NMZ, Ahmed SA, Anwar SM, Abdel Fattah SM. Serum levels of interleukin-6 and soluble interleukin-6 receptor in children with acute and chronic liver disease. Egyptian Medical Journal, 13 (2): 67-73, 1996.
11. Abdel Fattah SM, El Ashry HH, **Elsedfy HH**, Emara AN. Systemic prostacyclin in cirrhotic patients. The Medical Journal of Cairo University, 64 (4): 133-140, 1996.
12. Abdel Fattah SM, Abdel Ghaffar TY, El Kabbany ZA, **Elsedfy HH**, Hashem AE. The fibrinolytic system in hepatic cirrhosis. The Egyptian Journal of Hematology, 22 (1, 2): 107-115, 1997.
13. **Elsedfy HH**, El Sebai AAM, Swidan KH. Vitamin E and glutathione peroxidase antioxidant activity in neonates. The Scientific Journal of Al-Azhar Medical Faculty, 18 (1): 237-243, 1997.
14. **Elsedfy HH**, El Ashry HH, Kamel HN, El Kholy MS: Testosterone levels, anthropometric and genital profile and skeletal age in Egyptian males in early

puberty. The Medical Journal of Cairo University, 65 (1): 75-84, 1997.

15. Mohamed MA, Kotby AA, Tarek M, **Elsedfy HH**. The Association of Long Term Furosemide Therapy with Calciuria and Nephrolithiasis. Pediatr Res 43 (Suppl 4): 61, 1998.
16. Abdel Ghaffar TY, **Elsedfy HH**, Mohamed EF. Hematemesis in the pediatric age group: A retrospective study. The Egyptian Journal of Pediatrics, 15 (1, 2): 117-131, 1998.
17. Abdel Ghaffar TY, Abbas A, **Elsedfy HH**, El Monaiery MS, Sira M. Non-organ specific autoantibodies in children with chronic liver disease. The Egyptian Journal of Pediatrics, 15 (1, 2): 133-148, 1998.
18. **Elsedfy HH,** El Sebai AAM, El Tabakh MA, El Kholy MS. Leptin and puberty in boys. The Scientific Journal of Al-Azhar Medical Faculty, 20 (2): 797-804, 1999.
19. Shawky RM, **Elsedfy HH**, Aziz SS, Mohamed ARA. Early intervention and cognitive functions in Down syndrome. Egypt. J. Hum. Genet , 1 (1): 123-134, 2000.
20. **Elsedfy HH,** El Sebai AAM. Serum concentration of C-peptide, insulin like growth factor (IGF)-1 and IGF-binding protein-1 in obese children. The Egyptian Journal of Pediatrics, 17 (4): 757-769, 2000.
21. Shawky RM, Elsedfy HH, Abd EI-Hamid M. Phenotypic expression of hyperphenylalaninemia syndromes among Egyptians. Egypt J Med Hum Genet. 2000;1(1):235-48.
22. Nour El Din NH, Shawky RM, **Elsedfy HH**, Abdel Aziz SY. Prevalence and phenotypic expression of various genitogonadal differentiation errors among Egyptians. Egypt. J. Hum. Genet , 2 (1): 101-111, 2001.
23. Shawky RM, **Elsedfy HH**, Zaki OK, Mahmoud HM. Phenotypic expression of Egyptian patients with Prader Willi syndrome. Egypt. J. Hum. Genet, 2 (1): 55-56, 2001.
24. Shawky RM, **Elsedfy HH**, Abo Louz SK, Labatia GY. Prevalence of congenital malformations in a thousand consecutive Egyptian liveborn. Egypt. J. Hum. Genet , 2 (1): 43-53, 2001.
25. **Elsedfy HH**, Shousha MM, Shahin KYA, Riad MI, Abdel Aziz AM, El Kholy MS. Gonadotropin releasing hormone agonist (triptorelin) test to differentiate gonadotropin deficiency from constitutionally delayed puberty. Egypt. J. Hum. Genet , 2 (2): 63-70, 2001.
26. El Kholy MS, **Elsedfy HH**, Tantawy WH, Rezkallah BM. Pelvic ultrasonography and gonadotropin and estradiol response to luteinizing hormone releasing hormone agonist -triptorelin- in premature thelarche. The Egyptian Journal of Pediatrics, 18 (3, 4): 511-521, 2001.

27. **Elsedfy HH**, Shahin KYA. Gonadotropin and sex steroid responses to gonadotropin releasing hormone agonist -triptorelin- in normal Egyptian males. The Egyptian Journal of Medical Human Genetics, 2 (1): 67-73, 2001.

28. El Kholy MS, Metwally NS, **Elsedfy HH**, El Mougy FF, Bahaa El Din NM. Results of growth hormone treatment in Egyptian growth hormone deficient children and adolescents: A three year treatment period. Pediatric Endocrinology Montreal 2001, LWPES/ESPE 6 th joint meeting P1-403.

29. Shawky RM, Abdel Fattah SM, Refaat MM, **Elsedfy HH**, Abdel Hady MM, Macdonald F. Molecular analysis of the COLA1 region in Egyptian patients with Down syndrome and congenital heart disease. Egypt. J. Hum. Genet, 3 (1): 1-20, 2002.

30. **Elsedfy HH,** El Sebai AAM. Inhibin B as a marker of testicular function. The Scientific Journal of Al-Azhar Medical Faculty, 23 (2): 295-302, 2002.

31. El-Sawy MA, El-Kholy MS, **El-Sedfy HH**, Sleem MN. Sanjad–Sakati syndrome, case report. Egypt J Med Hum Genet. 2004;5:61-6.

32. **Elsedfy HH**, Bahy El Din L, El Gohery EAE, Mahmoud MM. Vitamin D status in pregnant moslem women at term and in their newborn infants. 43rd Annual Meeting of the European Society for Paediatric Endocrinology, P3-324, 2004.

33. Shawky RM, **Elsedfy HH**, Mohram W. Martsolf syndrome. Egypt J Med Hum Genet. 2005;6(2):213-6.

34. Shawky RM, **Elsedfy HH**, Amr HA, Awadallah MM. Prevalence of thyroid autoantibodies in Down syndrome. Egypt J Med Hum Genet. 2005;6(1):63-66.

35. **Elsedfy HH**, Bahy El Din L, Abd Elaziz H, Elhawary N, Refaay O. Bone mineral density and vitamin D receptor genotype in children with congenital hypothyroidism. ESPE/LWPES 7th Joint Meeting Paediatric Endocrinology in collaboration with APEG, APPES, JSPE and SLEP in Lyon, France, P1-376 September 21-24, 2005.

36. Shawky RM, Elhawary NA, **Elsedfy HH**, Elsayed SM, Abdel-Hamid H. Updated listing of mutation map at the human phenylalanine locus among Egyptian population. Egypt. J. Hum. Genet , 7 (1): 15-22, 2006.

37. **Elsedfy HH**, Abdel Fattah S, Hamza R, Ghazy M, Hussein A. Pelvic ultrasound measurements in normal girls in relation to serum oestradiol levels. 45th Annual Meeting of the European Society for Paediatric Endocrinology, PO1-338, 2006.

38. Shawky R. Elsedfy HH,i Osman AM, Rashad MM, Bahaa Eldin EM. Study of Amino Acid Disorders among a High Risk Group of Egyptian Infants and Children. Egypt. J. Hum. Genet Vol. 8 (2) 2007: pp. 173-190

39. El Kholy MS, Mortagy A, Mahmoud, A, Abo Samra, S, **Elsedfy HH**. Improvement of body composition and lipid profile in growth hormone deficient children as early

as 6 months after growth hormone treatment. 46th Annual Meeting of the European Society for Paediatric Endocrinology, PO1-479, 2007.

40. El Kholy MS, Aly MR, Abou Gommah GH, **Elsedfy HH**. Insulin sensitivity in constitutional delay of growth and puberty. 46th Annual Meeting of the European Society for Paediatric Endocrinology, PO3-541, 2007.
41. **Elsedfy HH**, Radetti G, Wu Z, El Kholy MS, Bozzola M, Strasburger CJ. Pegvisomant-primed GH stimulation test. 46th Annual Meeting of the European Society for Paediatric Endocrinology, PO3-457, 2007.
42. El Kholy MS, Fahmi ME, Nassar AE, Selim S, **Elsedfy HH**. Prevalence of minor musculoskeletal anomalies in children with congenital hypothyroidism. Horm Res 2007; 68:272-275.
43. Radetti G, Wu Z, **Elsedfy HH**, El Kholy M, Bozzola M, Strasburger CJ. Pegvisomant-primed GH stimulation test. Clin Endocrinol (Oxf). 2008; 68(6):951-6.
44. **Elsedfy HH**, Hamza RT, Sleem S. Assessment of lipid profile, insulin sensitivity and bone mineral density after surgery for childhood craniopharyngioma. Egyptian Journal of Pediatrics, 25 (1): 35-49, 2008.
45. El Kholy M, **Elsedfy HH**, Perin L, Burglen L, Bozzola M, Rossignol S, Minuto F, Le Bouc Y. Panhypopituitarism with gigantism case report. 47th Annual Meeting of the European Society for Paediatric Endocrinology (ESPE), September 20-23 2008, Istanbul.
46. Iughetti L, Capone l, **Elsedfy HH**, Rashad M, Bertorelli R, Predieri D, Patianna V, El Kholy M. Triplication of SHOX gene in a boy with short stature. 47th Annual Meeting of the European Society for Paediatric Endocrinology (ESPE), September 20-23 2008, Istanbul.
47. Tantawy AA, El Kholy M, Moustafa T**, Elsedfy HH.** Bone mineral density and calcium metabolism in adolescents with beta-thalassemia major. Pediatr Endocrinol Rev. 2008; 6 Suppl 1:132-5.
48. Hanna N, Parfait B, Talaat IM, Vidaud M, **Elsedfy HH.** SOS1: a new player in the Noonan-like/multiple giant cell lesion syndrome. Clin Genet. 2009; 75(6):568-71.
49. Farid FA, El-Moselhy SS, **Elsedfy HH.** El-Hakim IZ, Mahmoud NH, Said RM. Growth pattern among pediatric patients suffering from prolonged nephrotic syndrome. Egyptian Journal of Pediatrics, 26 (2): 427-442, 2009.
50. Farid FA, El-Moselhy SS, **Elsedfy HH.** El-Hakim IZ, Mahmoud NH, Said RM. Evaluation of puberty among adolescent patients with nephritic syndrome. Geget, 9 (1): 103-112, 2009.
51. Elshazly L, Abdelaziz H, Elhawary H, Refaay O, **Elsedfy HH**. Bone mineral density

and vitamin D receptor genotype in children with congenital hypothyroidism. Egyptian Journal of Pediatrics, 26 (3): 701-711, 2009.

52. Shawky RM, Elsayed SM, **Elsedfy HH**. Triple A syndrome presenting with myopathy: An Egyptian patient. Egypt. J. Med. Hum. Genet, 10(1)1:105-109, 2009.
53. **Elsedfy HH**, Meazza C, Laarej K, Pagani S, El Kholy M, Bozzola M. Adipokine profile in growth hormone deficient (GHD) children before and after GH treatment. 49th Annual Meeting of the European Society for Paediatric Endocrinology (ESPE), September 22-25 2010, Prague.
54. Iughetti L, Capone L, **Elsedfy H**, Bertorelli R, Predieri B, Bruzzi P, Forabosco A, El Kholy M. Unexpected phenotype in a boy with trisomy of the SHOX gene. J Pediatr Endocrinol Metab, 23(1-2):159-69, 2010.
55. **Elsedfy H**. Hepatic osteodystrophy. Egyptian Liver Journal, 2011; 1 (1): 8-10.
56. **Elsedfy HH**, El Kholy M, Tarif R, Hamed A, Elalfy M. Adrenal function in thalassemia major adolescents. Pediatr Endocrinol Rev. 2011; 8 Suppl 2:295-9.
57. El Kholy M, Mella P, Rashad M, Buzi F, Meazza C, Zahra S, **Elsedfy HH.** Growth Hormone/IGF-I Axis and Growth Hormone Receptor Mutations in Idiopathic Short Stature. Horm Res Paediatr. 2011;76(5):300-6.
58. El Kholy M, **Elsedfy HH**. Effect of GnRH analogue on height potential in patients with severe growth hormone insensitivity syndrome treated with IGF-I. J Pediatr Endocrinol Metab. 2011;24(11-12):983–988.
59. De Sanctis V, Elawwa A, Angastiniotis M, Eleftheriou A, Kattamis C, Karimi M, El Kholy M, **Elsedfy H**, Yassin MA, Fiscina B, Soliman AT. Highlights from the First Thalassaemia Forum on Growth and Endocrine Complications in Thalassemia Doha, (October 2-3, 2011). Pediatr Endocrinol Rev. 2012;9(3):672-9.
60. De Sanctis V, Soliman AT, Angastiniotis M, Eleftheriou A, Kattamis Ch, Karimi M, El Kholy M, **Elsedfy H**, Yassin MA, El Awwa A, Stoeva I, Skordis N, Raiola G, Fiscina B. International network on endocrine complications in thalassaemia (I-CET): an opportunity to grow. Georgian Med News. 2012;(205):52-7.
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62. Amr N, Hamid A, Sheta M, **Elsedfy H.** Vitamin D status in healthy Egyptian adolescent girls. Georgian Med News. 2012;(210):65-71.
63. ElAlfy M, Ragab E, Abdel-Aziz E, Massoud W, **Elsedfy H**. Deferiprone and desferrioxamine combined chelation could improve puberty of adolescent males with β-thalassemia major with preserved pituitary and testicular function. Egypt J Haematol 2013;38:149-54
64. El Kholy M, Hamza RT, Saleh M, Elsedfy H. Penile length and genital anomalies in

Egyptian male newborns: epidemiology and influence of endocrine disruptors. J Pediatr Endocrinol Metab. 2013;26(5-6):509-13.

65. De Sanctis V, Soliman AT, **Elsedfy H,** Skordis N, Kattamis C, Angastiniotis M, Karimi M, Yassin MA, El Awwa A, Stoeva I, Raiola G, Galati MC, Bedair EM, Fiscina B, El Kholy M. Growth and endocrine disorders in thalassemia: The international network on endocrine complications in thalassemia (I-CET) position statement and guidelines. Indian J Endocrinol Metab. 2013;17(1):8-18.

66. Soliman A, De Sanctis V, **Elsedfy H**, Yassin M, Skordis N, Karimi M, Sobti P, Raiola G, El Kholy M. Growth hormone deficiency in adults with thalassemia: an overview and the I-CET recommendations. Georgian Med News. 2013;(222):79-88.

67. De Sanctis V, Soliman AT, **Elsedfy H**, Yassin M, Canatan D, Kilinc Y, Sobti P, Skordis N, Karimi M, Raiola G, Galati MC, Bedair E, Fiscina B, El Kholy M. Osteoporosis in thalassemia major: an update and the I-CET 2013 recommendations for surveillance and treatment. **Pediatr Endocrinol Rev.** 2013; 11(2):167-80.

68. Meazza C, **Elsedfy HH**, Pagani S, Bozzola E, El Kholy M, Bozzola M. Metabolic parameters and adipokine profile in growth hormone deficient (GHD) children before and after 12-month GH treatment. Horm Metab Res. 2014;46(3):219-23.

69. De Sanctis V, Soliman AT, **Elsedfy H**, Yassin M, Canatan D, Kilinc Y, Sobti P, Skordis N, Karimi M, Raiola G, Galati MC, Bedair E, Fiscina B, El Kholy M; I-CET (International Network on Growth Disorders and Endocrine Complications in Thalassemia). Osteoporosis in thalassemia major: an update and the I-CET 2013 recommendations for surveillance and treatment. Pediatr Endocrinol Rev. 2013;11(2):167-80.

70. El Kholy M, Amr NH, **Elsedfy H**. Further observations on the effects of long-term treatment with recombinant human insulin-like growth factor 1 in growth hormone insensitivity syndrome. Horm Res Paediatr. 2014;81(4):258-65.

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Metab. 2014;18(Suppl 1): S26-38.

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76. **Elsedfy H**, Amr NH, Hamza RT, Ghoneim I, Ghallab N, El Kholy M. Constitutional delay of growth and puberty: the patient's perspective. J Endocrinol Diabetes Mellit. 2014, 2(1): 26-32.
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79. De Sanctis V, Soliman AT, Candini G, **Elsedfy H**. The recommendation of the International Network of Clinicians for Endocrinopathies in Thalassemia and Adolescent Medicine for the assessment of growth hormone secretion in thalassemia. Indian J Endocrinol Metab. 2015;19(2):306-7.
80. De Sanctis V, Soliman AT, Candini G, Kattamis C, Raiola G5, **Elsedfy H**. Liver Iron Concentration and Liver Impairment in Relation to Serum IGF-1 Levels in Thalassaemia Major Patients: A Retrospective Study. Mediterr J Hematol Infect Dis. 2015;7(1):e2015016.
81. De Sanctis V, Soliman AT, Wali Y, **Elsedfy H**, Daar S, Al-Yaarubi SA, Mevada ST, Elshinawy M, Fawzy H, Al-Subhi T, Al-Rawas A, Al-Muslehi M, El Kholy M. Selected highlights of the VIII International Symposium of Clinicians for Endocrinopathies in Thalassemia and Adolescent Medicine (ICET-A) on Growth, Puberty and Endocrine Complications in Thalassaemia. Auditorium of the Sultan Qaboos University (SQU) Muscat (Sultanate of Oman), 20th of December 2014. Pediatr Endocrinol Rev. 2015;12(3):313-22.
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83. De Sanctis V, Soliman AT, **Elsedfy H**, Soliman NA, Elalaily R. Late-onset Male Hypogonadism and Fertility Potential in Thalassemia Major Patients: Two Emerging Issues. Mediterr J Hematol Infect Dis. 2015;7(1):e2015047.
84. Salem MA, Tantawy AA, **El Sedfy HH**, El Laboudy MA, Toaima DN, Mahmoud NH, Selim DM. A prospective study of the hypothalamic-pituitary-adrenal axis in

children with acute lymphoblastic leukemia receiving chemotherapy. Hematology. 2015 Jul;20(6):320-7. doi: 10.1179/1607845414Y.0000000208. Epub 2014 Oct 16.

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female thalassemia major patients with hypogonadism: An International Network of Clinicians for Endocrinopathies in Thalassemia and Adolescence Medicine survey from Italy. Indian J Endocrinol Metab. 2016;20(6):880-881.

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