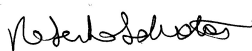


CURRICULUM VITAE
The Johns Hopkins University School of Medicine



June 2024

(Roberto Salvatori, MD)

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments

March 2013-present: Professor of Medicine (Division of Endocrinology) and Neurosurgery, Johns Hopkins University, Baltimore MD.

July 2007-present: Medical Director, Pituitary Center, Johns Hopkins Hospital.

Personal Data

Business address: 1830 East Monument street #333 Baltimore MD 21287

Tel (410) 955-3921 Fax (410) 955-8172 E mail: salvator@jhmi.edu

Place of birth: Rome, Italy

Citizenships: USA and Italy

Education and Training *(in chronological order, earliest first by start date under each subcategory)*

1985 M.D., Summa cum Laude, Catholic University School of Medicine, Rome Italy

1988 Specialization in Endocrinology (adult and pediatric), Summa cum Laude, Catholic University School of Medicine, Rome Italy

1990-92 Fellow in Endocrinology Cornell University Medical College, New York NY

1992-93 Research Fellow in Pediatric Endocrinology University of CT Health Center, Farmington CT

1993-96 Resident in Internal Medicine, Montefiore Medical Center, AECOM, Bronx NY

1996-98 Fellow in Endocrinology, Johns Hopkins University, Baltimore MD

Professional Experience *(in chronological order, earliest first)*

July 98-June 99 Instructor of Medicine (Division of Endocrinology) Johns Hopkins University

July 99-April 2005 Assistant Professor of Medicine (Division of Endocrinology) Johns Hopkins University.

May 2005-March 2013 Associate Professor of Medicine (Division of Endocrinology) Johns Hopkins University

January 2015-June 2021 Director, Johns Hopkins Endocrinology and Metabolism fellowship program

PUBLICATIONS:

Original Research [OR]

1. Cappa M, del Balzo P, Fabbri A, **Salvatori R**, Cambiaso P, Ulisse S, and Borrelli P. Biological assay of LH in pediatrics. Ital J Ped 14: 678-82, 1988
2. del Balzo P, **Salvatori R**, Cappa M, and Gertner JM. Pyridostigmine does not reverse dexamethasone-induced growth hormone inhibition. Clin Endocrinol (Oxf) 331: 605-12, 1990
3. Cappa M, Loche S, **Salvatori R**, Faedda A, Borrelli P, Cella S, Pintor C, and Muller E. The growth hormone response to pyridostigmine plus growth hormone releasing hormone is not influenced by pubertal maturation. J Endocrinol Invest 14: 41-5, 1991
4. Crino' A, Borrelli P, **Salvatori R**, Roncoroni R, Cortelazzi D, and Beck Peccoz P. Anti-iodothyronine autoantibodies in a girl with hyperthyroidism due to pituitary resistance to thyroid hormones. J Endocrinol Invest 15: 113-20, 1992
5. **Salvatori R**, Guidon PT, Rapuano BE, and Bockman RS. Prostaglandin E1 inhibits collagenase gene expression in rabbit synoviocytes and human fibroblasts. Endocrinology 131: 21-28 1992
6. Salvatori R, Bockman RS, and Guidon PT. A simple modification of the Poppel/Baglioni method for RNA isolation from cell culture. BioTechniques 13: 510-12 1993
7. Guidon PT, **Salvatori R**, and Bockman RS. Gallium nitrate regulates osteoblast expression of osteocalcin protein and mRNA levels. J Bone Min Res 8: 103-111, 1993

8. Bockman RS, Guidon PT, Pan LC, **Salvatori R**, and Kawaguchi A. Gallium nitrate increases type I collagen and fibronectin mRNA and collagen protein levels in bone and fibroblast cells. *J Cell Biochem* 52: 396-403, 1993
9. **Salvatori R**, Primorac D, and Lichtler AC. An efficient procedure for separate extraction of nuclear and cytoplasmic RNA from cell culture. *BioTechniques* 16: 374-376, 1994
10. Bedalov A, **Salvatori R**, Dodig M, Kronenberg MS, Kapural B, Bogdanovic Z, Kream BE, Woody CO, Clark SH, Mack K, Rowe DW, and Lichtler A. Differential regulation of COL1A1 expression in type I collagen producing tissues: identification of a 49 base pair region containing a homeodomain binding site which is required for transgene expression in bone of transgenic mice. *J Bone Min Res* 10: 1443-51, 1995
11. Bedalov A, **Salvatori R**, Dodig M, Kapural B, Pavlin D, Kream BE, Clark S, Woody C, Rowe DW, and Lichtler AC. 1,25 dihydroxyvitamin D3 inhibition of col1a1 promoter expression in calvariae from neonatal transgenic mice. *Biochem Biophys Acta* 1398: 285-93, 1998
12. **Salvatori R**, Hayashida CY, Aguiar-Oliveira MH, Phillips III JA, Souza AH, Gondo RG, Toledo SPA, Conceição MM, Prince M, Baumann G, Maeshwari H, and Levine MA. Familial dwarfism due to a novel mutation in the growth hormone-releasing hormone receptor. *J Clin Endocrinol Metab* 84: 917-23, 1999
13. Aguiar-Oliveira MH, Gill MS, de A Barreto ES, Alchantara MRS, Miraki-Moud F, Menezes CA, Souza AHO, Martinelli CE, Pereira FA, **Salvatori R**, Levine MA, Shalet SM, Camacho-Hubner C, and Clayton PE. Effect of severe growth hormone (GH) deficiency due to a mutation in the GH-releasing hormone receptor on the insulin-like growth factors (IGFs), IGF-binding proteins and ternary complex formation through life. *J Clin Endocrinol Metab* 84: 4118-26, 1999
14. Hayashida CY, Gondo RG, Ferrari C, Toledo SPA, **Salvatori R**, Levine MA, Ezabella MCL, Abelin N, Gianella Neto D, and Wajchenberg BL. Familial growth hormone deficiency with mutated GHRH receptor gene: clinical and hormonal findings in homozygous and heterozygous individuals from Itabaianinha. *Eur J Endocrinol* 142: 557-63, 2000
15. Gondo RG, Aguiar-Oliveira MH, Hayashida CY, Toledo SPA, Abelin N, Levine MA, Bowers CY, Souza AHO, Pereira RMC, Santos NL, and **Salvatori R**. Growth hormone (GH)-releasing peptide-2 stimulates GH secretion in GH deficient patients with mutated GH-releasing hormone receptor. *J Clin Endocrinol Metab* 86: 3279-83, 2001
16. **Salvatori R**, Fan X, Phillips III JA, Prince M, and Levine MA. Isolated growth hormone (GH) deficiency due to compound heterozygosity for 2 new mutations in the GH-releasing hormone receptor gene. *Clin Endocrinol (Oxf)* 54: 681-88, 2001
17. **Salvatori R**, Thakker RV, Lopes MB, Fan X, Eswara JR, Ellison D, Lees P, Harding B, Yang I, and Levine MA. Absence of mutations in the growth hormone (GH)-releasing hormone receptor gene in GH-secreting pituitary adenomas. *Clin Endocrinol (Oxf)* 54: 301-8, 2001
18. **Salvatori R**, Fan X, Phillips III JA, Espigares-Martin R, Martin de Lara I, Freeman K, Plotnick L, Al-Ashwal A, and Levine MA. Three new mutations in the gene for the growth hormone (GH)-releasing hormone receptor in familial isolated GH deficiency type IB. *J Clin Endocrinol Metab* 86: 273-9, 2001
19. Jorge BJ, Agarwal SK, Lando VS, **Salvatori R**, Barbero RR, Abelin N, Levine MS, Marx SJ and Toledo SPA. Study of the multiple endocrine neoplasia type 1, growth hormone-releasing hormone receptor, Gs α , and Gi2 α , genes in isolated familial acromegaly. *J Clin Endocrinol Metab* 86: 542-4, 2001
20. **Salvatori R**, Fan X, Veldhuis J, and Couch R. Serum GH response to pharmacological stimuli and physical exercise in two siblings with two new inactivating mutations in the GH-releasing hormone receptor gene. *Eur J Endocrinol* 147: 591-6, 2002
21. **Salvatori R**, Aguiar-Oliveira MH, Monte LVB, Hedges L, Santos NL, Pereira RMC, and Phillips III JA. Detection of a recurring mutation in the human GH-releasing hormone receptor gene. *Clin Endocrinol (Oxf)* 57: 77-80, 2002
22. **Salvatori R**, Fan X, Mullis PE, Haile A, and Levine MA. Decreased expression of the growth hormone-releasing hormone receptor gene due to a mutation in a Pit-1 binding site. *Mol Endocrinol* 16: 450-8, 2002
23. Barreto-Filho JA, Alcântara MRS, **Salvatori R**, Azevedo M, Barreto M, Sousa AC, Bastos VPC, Souza AHO, Pereira RMC, Clayton PE, Gill MS, and Aguiar-Oliveira MH. Familial isolated growth hormone deficiency is associated with increased systolic blood pressure, dyslipidemia and central obesity. *J Clin Endocrinol Metab* 87: 2018-23, 2002
24. Oliveira HA, **Salvatori R**, Krauss MPO, Oliveira CRP, Silva PRC, and Aguiar-Oliveira MH. Magnetic resonance imaging study of pituitary morphology in subjects homozygous and heterozygous for a null mutation of the growth hormone releasing hormone receptor gene. *Eur J Endocrinol* 148: 427-32, 2003 (corresponding author)
25. Carakushansky M, Whatmore AJ, Clayton PE, Shalet SN, Gleeson HK, Price DA, Levine MA, and **Salvatori R**. A new missense mutation in the growth hormone releasing hormone receptor gene in familial isolated GH deficiency. *Eur J Endocrinol* 148: 25-30, 2003

26. Alba M, and **Salvatori R**. A mouse with targeted ablation of the GHRH gene: a new model of isolated GH deficiency. *Endocrinology* 145: 4134-43, 2004
27. Moliterno AR, Williams DM, Gutierrez-Alamillo LI, **Salvatori R**, Ingersoll RG and Spivak JL. Mpl Baltimore: A thrombopoietin receptor polymorphism associated with thrombocytosis. *Proc Natl Acad Sci USA* 101: 11444-7, 2004
28. Alba M, Hall CM, Whatmore AJ, Clayton PE, David A. Price DA, and **Salvatori R**. Variability in anterior pituitary size within members of a family with GH deficiency due to a new splice mutation in the GHRH receptor gene. *Clin Endocrinol (Oxf)* 60: 470-5, 2004
29. Espigares R, Martin de Lara I, Ruiz-Cabello F, Ortega L, Ferrandez A, Argente J, and **Salvatori R**. Phenotypic analysis and growth response to different growth hormone treatment schedules in two siblings with an inactivating mutation in the growth hormone releasing hormone receptor gene. *J Ped Endocrinol Metab* 17: 793-800, 2004
30. Magill SS, Puthanakit T. Swoboda SM, Carson KA, **Salvatori R**, Lippsett PA, and Hendrix CW. The impact of fluconazole prophylaxis on cortisol levels in critically ill surgical patients. *Antimicrob Agents Chemother* 48: 2471-6, 2004
31. Souza AH, **Salvatori R**, Martinelli CE Jr, Carvalho WM, Menezes CA, Barretto ES, Barreto Filho JA, Alcantara MR, Oliveira CR, Alcantara PR, Ramalho RJ, Oliveira HA, Lima IB, Carneiro JN, Santos MM, Gill MS, Clayton PE, and Oliveira MH. Growth or somatotrophic hormone: new perspectives in isolated GH deficiency after description of the mutation in the GHRH receptor gene in individuals of Itabaianinha County, Brazil *Arq Bras Endocrinol Metabol*. 48: 406-13
32. Fintini D, Alba M, and **Salvatori R**. Influence of estrogen administration on the growth response to growth hormone (GH) in GH-deficient mice *Exp Biol Med*, 230: 715-20, 2005
33. Alba M, Fintini D, Bowers CY, Parlow AF, and **Salvatori R**. Effects of long term treatment with growth hormone releasing peptide-2 in the GHRH knock out mouse *Am J Physiol Endocrinol Metab*, 289: E762-7, 2005
34. Alba M, Schally AV, and **Salvatori R**. Partial reversibility of GH deficiency in the GHRH knock out mouse by postnatal treatment with a GHRH-analogue. *Endocrinology* 146:1506-13, 2005
35. Alba M, Fintini D, and **Salvatori R**. Effects of recombinant mouse growth hormone treatment on growth and body composition in GHRH knock out mice. *GH&IGF Res*, 15:275-82, 2005
36. Alba M, and **Salvatori R**. Naturally-occurring missense mutations in the human GHRH receptor alter ligand binding. *J Endocrinol* 186: 515-21, 2005
37. Fintini D, Alba M, Schally AV, Bowers CY, Parlow AF, and **Salvatori R**. Effects of combined long-term treatment with a GHRH analog and GHRP-2 in the GHRH knock out mouse. *Neuroendocrinology*, 82: 198-207, 2005
38. **Salvatori R**, Serpa MG, Parmigiani G, Britto AVO, Oliveira JLM; Oliveira CRP; Prado CM, Farias CT, Almeida JC,. Vicente TA, and Aguiar-Oliveira MH. Growth hormone (GH) response to hypoglycemia and clonidine in the GH-releasing hormone resistance syndrome. *J Endocrinol Invest*, 29: 805-8, 2006
39. Alcântara MRS, **Salvatori R**, Alcântara PRS, Nóbrega LMA, Campos VS, Oliveira ECO, Oliveira MHS, Oliveira Souza AH, and Aguiar-Oliveira MH Thyroid morphology and function in adults with untreated isolated growth hormone deficiency, *J Clin Endocrinol Metab*, 91: 860-4, 2006 (corresponding author)
40. Fintini D, **Salvatori R**, Salemi S, Otten B, Ubertaini G, Cambiaso P, and Mullis PE. Autosomal dominant isolated growth hormone deficiency (IGHD type II) with normal GH1 gene. *Horm Res*, 65: 76-82, 2006 (corresponding author)
41. Haskin O, Lazar L, Jaber L, **Salvatori R**, Alba M, Kornreich L, Phillip M, and Gat-Yablonski G. A new mutation in the growth hormone-releasing hormone receptor gene in two Israeli Arab families. *J Endocrinol Invest*, 29: 122-130, 2006
42. Menezes Oliveira JL, Marques-Santos C, Barreto-Filho JA, Ximenes Filho R, Valadão de Oliveira Britto A, Oliveira Souza AH, Prado CM, Pereira Oliveira CR, Pereira RMC, de Almeida Ribeiro Vicente T, Teles Farias C, Aguiar-Oliveira MH and **Salvatori R**. Lack of Evidence of Premature Atherosclerosis in Untreated Severe Isolated Growth Hormone Deficiency Due to a GHRH Receptor Mutation. *J Clin Endocrinol Metab* 91: 2093-9, 2006
43. Alba M, Fintini D, Sagazio A, Lawrence B, Castaigne J-P, Frohman LA, and **Salvatori R**. Once daily administration of CJC-1295, a long acting growth hormone (GH) releasing hormone (GHRH) analogue, normalizes growth in the GHRH-knock out mouse. *Am J Physiol Endocrinol Metab*. 291: E1290-4, 2006
44. Gleeson H, Barreto ES, **Salvatori R**, Costa L, Oliveira CR, Pereira RM, Clayton P, Aguiar-Oliveira MH. Metabolic effects of growth hormone (GH) replacement in children and adolescents with severe isolated GH deficiency due to a GHRH receptor mutation. *Clin Endocrinol (Oxf)* 66: 466-74. 2007

45. Pereira RMC, Aguiar-Oliveira MH, Sagazio A, Oliveira CRP, Oliveira FT, Campos VC, Farias CT, Vicente TAR, Gois MB Jr, Oliveira JLM, Marques-Santos C, Rocha IES, Barreto-Filho JAS, and **Salvatori R**. Heterozygosity for a mutation in the GHRH1 receptor gene does not influence adult stature, but affects body composition J Clin Endocrinol Metabol 92:2353-7, 2007
46. Sagazio A, Piantedosi R, Alba M, Blaner WS, and **Salvatori R**. Vitamin A deficiency does not influence longitudinal growth in mice. Nutrition, 23:483-8, 2007
47. Oliveira JLM, Aguiar-Oliveira MH, D'Oliveira Junior A, Pereira RMC, Oliveira CRP, Farias CT, Barreto-Filho JA, Anjos-Andrade FD, Marques-Santos C, Nascimento-Junior AC, Alves EO, Oliveira FT, Campos VC, Ximenes R, Blackford A, Parmigiani G, and **Salvatori R** Congenital growth hormone (GH) deficiency and atherosclerosis: Effects of GH replacement in GH-naïve adults J Clin Endocrinol Metabol, 92:4664-70 2007
48. Oliveira CRP, **Salvatori R**, Nóbrega LMA, Carvalho EOM, Menezes M, Farias CT, Britto AVO, Pereira RMC, and Aguiar-Oliveira MH. Abdominal organs size in adults with severe short stature due to severe, untreated, congenital GH deficiency due to a homozygous mutation in the GHRH receptor gene. Clin Endocrinol (Oxf), 69:153-8, 2008 (corresponding author)
49. Sagazio A, Xiao X, Wang Z, Martari M and **Salvatori R**. A Single Injection Of Double-Stranded Adeno-Associated Viral Vector Expressing Growth Hormone (GH) Normalizes Growth In GH Deficient Mice J Endocrinol, 196:79-88, 2008
50. Menezes M, **Salvatori R**, Oliveira CRP, Pereira RMC, Souza AHO, Nobrega LMA, do AC Cruz E, do A.C.Menezes M, Alves EO, Aguiar-Oliveira MH. Climacteric in Untreated Isolated Growth Hormone Deficiency. Menopause, 15: 743-7, 2008 (corresponding author)
51. de Paula FJA, Góis-Júnior MB, Aguiar-Oliveira MH, de A. Pereira F, Oliveira CRP, Pereira RMC, Farias CT, Vicente TAR and **Salvatori R** Consequences of Lifetime Isolated Growth Hormone (GH) Deficiency and Effects of Short-Term GH Treatment on Bone in Adults with a Mutation in the GHRH-receptor Gene. Clin Endocrinol 70:35-40, 2009
52. Barreto VMP, D'Ávila JS, Neuza JS, Gonçalves MIR, Dantas Seabra JD, **Salvatori R**, and Aguiar-Oliveira MH Laryngeal and vocal evaluation in untreated growth hormone deficient adults. Otolaryngology-Head and Neck Surgery, 140:37-42, 2009
53. White KH, Petrie CD, Landschulz W, MacLean D, Taylor A, Lyles K, Wei JW, Hoffman AR, **Salvatori R**, Ettinger MP, Morey MC, Blackman MR, and Merriam GR, for the Capromorelin Study Group. Effects of an oral growth hormone secretagogue in older adults. J Clin Endocrinol Metabol, 94: 1198-206. 2009
54. Barbosa JAR, **Salvatori R**, Oliveira CRP, Pereira RMC, Farias CT, de O. Britto AV, Farias NT, Blackford A, and Aguiar-Oliveira MH. Quality of Life in Congenital, Untreated, Lifetime Isolated Growth Hormone Deficiency Psychoneuroendocrinology, 34:894-900, 2009 (corresponding author)
55. Drori-Herishanu L, Horvath A, Nesterova M, Patronas Y, Lodish M, E, Bimpak E, Patronas N, Agarwal S, **Salvatori R**, Martari M, Mericq V and Stratakis CA. An intronic mutation is associated with prolactinoma in a young boy, decreased penetrance in his large family, and variable effects on MEN-1 mRNA and protein. Horm Metabol Res, 41:630-4, 2009
56. Kharlip J, **Salvatori R**, Yenokyan G, and Wand G. Recurrence of hyperprolactinemia following withdrawal of long-term cabergoline Therapy J Clin Endocrinol Metabol, 94:2428-36. 2009
57. Martari M, Sagazio A, Mohamadi A, Nguyen Q, Hauschka SD, Kim E and **Salvatori R** Partial rescue of growth failure in growth hormone (GH)-deficient mice by a single injection of a double-stranded adeno-associated viral vector expressing the GH gene driven by a muscle-specific regulatory cassette. Hum Gene Ther, 20(7):759-66, 2009
58. Mohamadi A, Martari M, Holladay CD, Phillips JA 3rd, Mullis PE, and **Salvatori R**. Mutation Analysis of the Muscarinic Cholinergic Receptor Genes in Isolated Growth Hormone Deficiency Type IB. J Clin Endocrinol Metab. 94(7):2565-70. 2009
59. Mukherjee D, Zaidi H, Kosztowski T, Chaichana K, **Salvatori R**, Chang D, and Quinones-Hinojosa A. Predictors of Access to Pituitary Tumor Resection in the United States, 1988-2005. Eur J Endocrinol 161(2):259-65 2009
60. Oliveira JL, Barreto-Filho JA, Oliveira CR, Santana TA, Anjos-Andrade FD, Alves EO, Nascimento-Junior AC, Góes TJ, Santana NO, Vasconcelos FL, Barreto MA, D'Oliveira Junior A, **Salvatori R**, and Aguiar-Oliveira MH, Sousa AC. Prognostic value of exercise echocardiography in diabetic patients. Cardiovasc Ultrasound 2009 May 29;24, 2009
61. **Salvatori R**, Nachtigall LB, Cook DM, Bonert V, Molitch ME, Blethen S, Chang S, and the SALSA Study Group. Effectiveness of self- or partner-administration of an extended-release aqueous gel formulation of lanreotide in lanreotide-naïve patients with acromegaly. Pituitary, 2 13:115, 2010

62. Mukherjee D, Zaidi HA, Kosztowski TA, Halthore A, Jallo GI, **Salvatori R**, Chang DC, and Quiñones-Hinojosa A. Variations in referral patterns for hypophysectomies among pediatric patients with sellar and parasellar tumors *Childs Nerv Syst.* 26:305, 2010
63. Aguiar-Oliveira MH, Oliveira FT, Pereira RMC, Oliveira CRP, Blackford A, Valença EHO, Santos EG Gois-Junior MB; Meneguz-Moreno RA, Araujo VP, Oliveira-Neto LA, Almeida RP, Santos MA, Farias NT, Silveira DCR, Cabral GW, Calazans FR, Seabra JD, Lopes TF, Rodrigues EO, Porto LA, Oliveira IP, Melo EV, Martari M and **Salvatori R**: Longevity in Untreated Congenital Growth Hormone Deficiency Due to a Homozygous Mutation in the GHRH Receptor Gene *J Clin Endocrinol Metab*, 95:714, 2010
64. Oliveira CRP, **Salvatori R**, Meneguz-Moreno R, Aguiar-Oliveira MH, Pereira RMC, Valença EHA, Araujo VP, Farias NT, Silveira DCR, Vieira JGH, and Barreto-Filho JAS Adipokine profile and urinary albumin excretion in isolated GH deficiency *J Clin Endocrinol Metab* 95:693, 2010 (corresponding author)
65. Gahete MD, Córdoba-Chacón J, **Salvatori R**, Castaño JP, Kineman RD, Luque RM. Metabolic regulation of ghrelin O-acyl transferase (GOAT) expression in the mouse hypothalamus, pituitary, and stomach. *Mol Cell Endocrinol.* 317:154, 2010
66. Stratakis CA, Tichomirowa MA, Boikos S, Azevedo MF, Lodish M, Martari M, Verma S, Daly AF, Raygada M, Keil MF, Papademetriou J, Drori-Herishanu I, Horvath A, Tsang KM, Nesterova M, Franklin S, Vanbellinthen JF, Bours V, **Salvatori R**, and Beckers A. The role of germline AIP, MEN1, PRKAR1A, CDKN1B and CDKN2C mutations in causing pituitary adenomas in a large cohort of children, adolescents, and patients with genetic syndromes. *Clin Genet* 78(5):457-63 2010
67. Grossman R, Mukherjee D, Chaichana KL, **Salvatori R**, Wand G, Brem H, Chang DC, and Quiñones-Hinojosa A. Complications and Death Among Elderly Patients Undergoing Pituitary Tumor Surgery. *Clin Endocr (Oxf)* 73(3):361, 2010
68. Daly AF, Tichomirowa MA, Petrossians P, Heliövaara E, Jaffrain-Rea ML, Barlier A, Naves LA, Ebeling T, Karhu A, Raappana A, Cazabat L, De Menis E, Montañana CF, Raverot G, Weil RJ, Sane T, Maiter D, Neggers S, Yaneva M, Tabarin A, Verrua E, Eloranta E, Murat A, Vierimaa O, Salmela PI, Emy P, Toledo RA, Sabaté MI, Villa C, Popelier M, **Salvatori R**, Jennings J, Ferrandez Longás A, Labarta Aizpún JI, Georgitsi M, Paschke R, Ronchi C, Valimaki M, Saloranta C, De Herder W, Cozzi R, Guitelman M, Magri F, Lagonigro MS, Halaby G, Corman V, Hagelstein MT, Vanbellinthen JF, Barra GB, Gimenez-Roqueplo AP, Cameron FJ, Borson-Chazot F, Holdaway I, Toledo SP, Stalla GK, Spada A, Zacharieva S, Bertherat J, Brue T, Bours V, Chanson P, Aaltonen LA, and Beckers A. Clinical Characteristics and Therapeutic Responses in Patients with Germ-Line AIP Mutations and Pituitary Adenomas: An International Collaborative Study *J Clin Endocrinol Metab* 95:373-83, 2010
69. Gutenberg A, Bell JJ, Lupi I, Tzou S-C, Landek-Salgado M, Kimura H, Su J, Karaviti LP, **Salvatori R** and Caturegli P Pituitary and systemic autoimmunity in a case of intrasellar germinoma. *Pituitary* Dec;14:388-94, 2011
70. Sun DQ, Cheng JJ, Frazier JL, Batra S, Wand G, Kleinberg LR, Rigamonti D, Quinones-Hinojosa A, **Salvatori R**, and Lim M. Treatment of pituitary adenomas using radiosurgery and radiotherapy: a single center experience and review of literature *Neurosurg Rev.* 34:181-9, 2010
71. Menucci M, Quiñones-Hinojosa A, Burger P, and **Salvatori R**. Effect of dopaminergic drug treatment on surgical findings in prolactinomas. *Pituitary*, 14: 68-74, 2011
72. Sagazio A, Shohreh R, and **Salvatori R** Effects of GH deficiency and GH replacement on inter-male aggressiveness in mice. *Growth Horm IGF Res*, 21:76-80 2011
73. Oliveira-Neto LA, Melo MD, Franco AA, Oliveira AH, Souza AH, Valença EH, Britto IM, **Salvatori R**, and Aguiar-Oliveira MH. Cephalometric features in isolated growth hormone deficiency *Angle Orthod* 81:578-83, 2011
74. Araujo Britto IMP, Aguiar-Oliveira MH, Oliveira-Neto LA, **Salvatori R**, Oliveira Souza AH, Porto Araujo V, Corraini P, Mendes Pannuti C, Romito GA, and Pustiglioni FE. Periodontal disease in adults with untreated congenital growth hormone deficiency: a case control study *Journal of Clinical Periodontology* 38:525-31, 2011
75. Zeng J, See AP, Aziz, K, Thiyagarajan S, Salih T, Gajula RP, Armour M, Phallen J, Terezakis S, Kleinberg L, Hales RK, **Salvatori R**, Quinones-Hinojosa A, Tran PT, and Lim M. Nelfinavir induces radiation sensitization in pituitary adenoma cells *Cancer Biol Ther.* 12: 657-63, 2011.
76. Shohreh R, Sherafat-Kazemzadeh R, Jee YH, Blitz A, and **Salvatori R**. A novel frame shift mutation in the GHRH receptor gene in familial isolated GH deficiency: early occurrence of anterior pituitary hypoplasia *J Clin Endocrinol Metab* 96:2982-6, 2011
77. Shohreh R, Pardo CA, Guaraldi F, Schally AV, and **Salvatori R**. GH, but not GHRH, plays a role in the development of experimental autoimmune encephalomyelitis. *Endocrinology*, 152:3803-10, 2011

78. Gois-Jr MB, **Salvatori R**, Aguiar-Oliveira MH, Pereira FA, Oliveira CR, Oliveira-Neto LA, Pereira RM, Souza AH, Melo EV, and de Paula FJ. The Consequences of GHRH-R haplo-Insufficiency for bone quality and insulin resistance Clin endocrinol (Oxf) 77:379-84, 2012 (corresponding author)
79. Leite NTF, **Salvatori R**, Alcântara MRS, Alcântara PRS, Oliveira CRP, Oliveira JLM, Anjos-Andrade FD, Farias MIT, Britto CFT, Nóbrega LMA, Nascimento-Junior AC, Alves EO, Pereira RMC, Campos VC, Menezes M, Martinelli-Júnior CE, and Aguiar-Oliveira MH Effects of depot growth hormone replacement on thyroid function and volume in adults with congenital isolated GH deficiency. J Endocrinol Invest, 35: 265-8, 2012 (corresponding author)
80. Guaraldi F, Caturegli P, and **Salvatori R**. Prevalence of anti pituitary antibodies in acromegaly. Pituitary 15:490-4, 2012
81. Mathioudakis N, Pendleton C, Quinones-Hinojosa A, Wand GS, and **Salvatori R**. ACTH-Secreting Pituitary Adenomas: Size Does Not Correlate With Hormonal Activity. Pituitary 15: 526-32, 2012
82. Valença EHO, Souza AHO, Oliveira AHA, Valença SL, **Salvatori R**, Gonçalves MIR, Oliveira-Neto LA, Barros AD, Ualisson N. Nascimento UN, Oliveira CRP, Felix Cardoso D, Melo VA, Manuel H. Aguiar-Oliveira MH. Voice quality in short stature with and without GH deficiency, J of Voice 26:673.e13-9, 2012
83. Oliveira CRP, **Salvatori R**, Barreto-Filho JAS, Rocha IES, Mari A, Pereira RMC, Campos VC, Menezes M, Gomes E, Meneguz-Moreno RA, Araújo VP, Leite NTF, Nascimento-Junior AC, Farias MIT, Viscente TAR, Araújo RDC, Melo EV, and Aguiar-Oliveira MH. Insulin Sensitivity and Beta Cell Function in Adults with Lifetime, Untreated Isolated Growth Hormone Deficiency J Clin Endocrinol Metab, 97:1013-9, 2012 (corresponding author)
84. Guaraldi F, Landek-Salgado MA, Hutfless S, Samoni F, Talor MV, Matos PG, **Salvatori R**, Rose NR, and Caturegli P. Pituitary antibodies in women with Hashimoto thyroiditis: prevalence in diagnostic and pre-diagnostic sera. Thyroid, 22:509-15, 2012
85. Araújo VP, Aguiar-Oliveira M, Oliveira JL, Rocha HM, Oliveira CR, Rodrigues TM, Nunes MA, Britto IM, Ximenes R, Barreto-Filho JA, Meneguz-Moreno RA, Pereira RM, Valença EH, Oliveira-Neto LA, Vicente TA, Blackford A, and **Salvatori R**. Arrest of atherosclerosis progression after interruption of GH replacement in adults with congenital isolated growth hormone deficiency Eur J Endocrinol 166: 977-82, 2012
86. Yang X, Ewald ER, Huo Y, Tamashiro KL, **Salvatori R**, Sawa A, Wand GS, and Lee RS Glucocorticoid-induced loss of DNA methylation in non-neuronal cells and potential involvement of DNMT1 in epigenetic regulation of Fkbp5 Biochem Biophys Res Commun 420: 570-5, 2012
87. Guaraldi F, Corazzini V, Gallia GL, Grottoli S, Stals K, Dalantaeva N, Frohman LA, Korbonits M, and **Salvatori R** Genetic analysis in a patient presenting with meningioma and familial isolated pituitary adenoma (FIPA) reveals selective involvement of the R81X mutation of the AIP gene in the pathogenesis of the pituitary tumor. Pituitary, Suppl 1:S61-7, 2012
88. Mathioudakis N, Thapa S, Wand GS, and **Salvatori R**. ACTH-secreting pituitary microadenomas are associated with a higher prevalence of central hypothyroidism compared to other microadenoma types. Clin Endocrinol (Oxf) 77:871-6, 2012
89. Yuen KC, Biller BM, Katznelson L, Rhoads SA, Gurel MH, Chu O, Corazzini V, Spiller K, Gordon MB, **Salvatori R**, and Cook DM. Clinical characteristics, timing of peak responses and safety aspects of two dosing regimens of the glucagon stimulation test in evaluating growth hormone and cortisol secretion in adults. Pituitary 16:220-30, 2013
90. Menezes M, **Salvatori R**, Melo LD, Rocha IES, Oliveira CRP, Pereira RMC, Souza AHO, Valença EHO, Melo EV, Campos VC, Costa FO, Aguiar-Oliveira MH Prolactin and sex steroids levels in congenital lifetime isolated GH deficiency Endocrine 44:207-11, 2013 (corresponding author)
91. **Salvatori R**, Woodmansee WW, Molitch M, Gordon MB, Lomax KG Lanreotide extended-release aqueous-gel formulation, injected by patient, partner or healthcare provider in patients with acromegaly in the United States: 1-year data from the SODA registry. Pituitary 17: 13-21.2013
92. Vicente TAR, Rocha IES, **Salvatori R**, Oliveira CRP, Pereira RMC, Souza AHO, Campos VC, Santos EG, Araújo RDC, Valença EHO, Epitácio-Pereira C, Oliveira MCP, Mari A, Aguiar-Oliveira MH Lifetime congenital isolated GH deficiency does not protect from the development of diabetes. Endocr Connect. 15:112-7, 2013 (corresponding author)
93. Kwancharoen R, Blitz AM, Tavares F, Caturegli P, Gallia GL, and **Salvatori R** Clinical features of sellar and suprasellar meningiomas. Pituitary 17:342-8, 2014
94. Recinella L, Shohreh R, **Salvatori R**, Orlando G, Vacca M, and Brunetti L Effects of isolated GH deficiency on adipose tissue, feeding and adipokines in mice. GH & IGF Res 23:237-42, 2013
95. Epitácio-Pereira CC, Silva GMF, **Salvatori R**, Santana JAM, Pereira FA, Gois-Junior MB, Britto AVO, Oliveira CRP, Souza AHO, Santos EG, Campos VC, Pereira RMC, Valença EHO, Barbosa RA, Farias MIT, de Paula

- FJA, Ribeiro T, Oliveira MCP and Aguiar-Oliveira MH Isolated GH deficiency due to a GHRH receptor mutation causes hip joint problems and genu valgum, and reduces size but not density of trabecular and mixed bones. *J Clin Endocrinol Metab*, 98:E1710-5, 2013. (corresponding author)
96. Sun LY, Spong A, Swindell WR, Fang Y, Hill C, Huber JA, Boehm JD, Westbrook R, **Salvatori R**, and Bartke A. Growth hormone-releasing hormone disruption extends lifespan and regulates response to caloric restriction in mice. *E-Life* 2013 Oct 29;2:e01098
 97. Kwancharoen R, Auriemma RS, Yenokyan G, Wand GS, Colao A, **Salvatori R**. Second attempt to withdraw cabergoline in prolactinomas: a pilot study. *Pituitary* 17:451-6, 2014
 98. Souza AH, Farias MI, **Salvatori R**, Silva GM, Santana JA, Pereira FA, de Paula FJ, Valença EH, Melo EV, Barbosa RA, Pereira RM, Gois-Junior MB, and Aguiar-Oliveira MH. Lifetime, untreated isolated GH deficiency due to a GH-releasing hormone receptor mutation has beneficial consequences on bone status in older individuals, and does not influence their abdominal aorta calcification. *Endocrine* 47:191-7, 2014 (corresponding author)
 99. Cordoba-Chacon J, Gahete MD, Pokala NK, Geldermann D, Alba M, **Salvatori R**, Luque RM, and Kineman RD. Long- but not short-term adult-onset, isolated GH deficiency in male 1 mice leads to deterioration of β -cell function, which cannot be accounted for by changes in β -cell mass. *Endocrinology*, 155:726-35, 2014
 100. Hansen TM, Batra S, Lim M, Gallia GL, Burger PC, **Salvatori R**, Wand G, Quinones-Hinojosa A, Kleinberg L, Redmond KJ. Invasive adenoma and pituitary carcinoma: a SEER database analysis. *Neurosurg Rev*. 37:279-86, 2014
 101. Ricciuti A, De Remigis A, Landek-Salgado MS, De Vincentiis L, Guaraldi E, Lupi I, Iwama S, Wand GS, **Salvatori R**, and Caturegli P. Detection of pituitary antibodies by immunofluorescence. Approach and results in patients with pituitary diseases. *J Clin Endocrinol Metab*, 99:1758-66, 2014.
 102. Lamore RF 3rd, Hechenbleikner EM, Ha C, **Salvatori R**, Harris LH, Marohn MR, Gearhart SL, Efron JE, Wick EC Perioperative Glucocorticoid Prescribing Habits in Patients With Inflammatory Bowel Disease : A Call for Standardization *JAMA Surg*. 149:459-66 2014
 103. Gomes-Santos E, **Salvatori R**, Ferrão TO, Oliveira CRP, Diniz RDCA, Santana JAM, Pereira FA, Barbosa RAA, Souza AHO, Melo EV, Epitácio-Pereira CC, Alves A, Oliveira IAS, Machado JA, Santana-Júnior FJ, Barreto-Filho JAS, and Aguiar-Oliveira MH. Increased visceral adiposity and cortisol to cortisone ratio in adults with congenital lifetime isolated GH deficiency *J Clin Endocrinol Metab*, 99:3285-9, 2014 (corresponding author)
 104. Mathioudakis M, Sundaresh R, Larsen A, Ruff W, Schiller J, Guerrero Cázares H, Burger P, **Salvatori R**, and Quiñones-Hinojosa A. Expression of the pituitary stem/progenitor marker GFR α 2 in human pituitary adenomas and normal pituitary. *Pituitary* 18:31-41 2015
 105. Leone S, Shohreh R, Manippa F, Recinella L, Ferrante C, Orlando G, **Salvatori R**, Vacca M, and Brunetti L. Behavioural phenotyping of male growth hormone-releasing hormone (GHRH) knockout mice. *Growth Horm IGF Res*. 24:192-7 2014
 106. Diniz RD, Souza RM, **Salvatori R**, Franca A, Gomes-Santos E, Ferrão TO, Oliveira CR, Santana JA, Pereira FA, Barbosa RA, Souza AH, Pereira RM, Oliveira-Santos AA, Silva AM, Santana-Júnior FJ, Valença EH, Campos VC, and Aguiar-Oliveira MH Liver status in congenital, untreated, isolated GH deficiency. *Endocr Connect*. 3:132-7 2014 (corresponding author)
 107. Leone S, Chiavaroli A, Shohreh R, Ferrante C, Ricciuti A, Manippa F, Recinella L, Di Nisio C, Orlando G, **Salvatori R**, Vacca M, Brunetti L Increased locomotor and thermogenic activity in mice with targeted ablation of the GHRH gene. *Growth Horm IGF Res*. 25:80-4 2015
 108. Raman SP, Lessne M, Kawamoto S, Chen Y, **Salvatori R**, Prescott JD, Fishman EK. Diagnostic Performance of Multidetector Computed Tomography in Distinguishing Unilateral From Bilateral Abnormalities in Primary Hyperaldosteronism: Comparison of Multidetector Computed Tomography With Adrenal Vein Sampling. *J Comput Assist Tomogr*. 9:414-8 2015
 109. Aguiar-Oliveira MH, Cardoso-Filho MA, Pereira RMC, Oliveira CRP, Souza AHO, Santos EG, Campos VC, Valença EHO, Oliveira FT, Oliveira-Neto LA, Gois-Junior MB, Oliveira-Santos AA, and **Salvatori R** Older individuals heterozygous for a growth hormone-releasing hormone receptor gene mutation are shorter than normal subjects *J Hum Genet*, 60:335-8, 2015
 110. Beckers A, Lodish M, Trivellin G, Rostomyan L, Lee M, Faucz FR, Yuan B, Choong C, Caberg JH, Verrua E, Naves LA, Cheetham T, Young J, Lysy P, Petrossians P, Cotterill A, Shah N, Metzger D, Castermans E, Ambrosio MR, Villa C, Strebkova N, Mazerkina N, Gaillard S, Barcelos Barra G, Casulari LA, Neggers S, **Salvatori R**, Jaffrain-Rea ML, Zacharin M, Lecumberri Santamaria B, Zacharieva S, Lim EM, Mantovani G, Zatelli MC, Collins MT, Bonneville JF, Quezado M, Chittiboina P, Oldfield E, Bours V, Liu P, de Herder WW, Pellegata NS, Lupski JR, Daly AF, Stratakis CA. X-linked acroigantism (X-LAG) syndrome: clinical profile and therapeutic responses. *Endocr Relat Cancer*. 22:353-67 2015

111. Javorsky BR, Carroll TB, Tritos NA, **Salvatori R**, Heaney AP, Fleseriu M, Biller BMK, Findling JW Discovery of Cushing's Syndrome after Bariatric Surgery: Multicenter Series of Sixteen Patients. *Obesity Surgery* 25:2306-13 2015
112. Valença EH, **Salvatori R**, Souza AH, Oliveira-Neto LA, Oliveira AH, Gonçalves MI, Oliveira CR, D'Ávila JS, Melo VA, de Carvalho S, de Andrade BM, Nascimento LS, Rocha SB, Ribeiro TR, Prado-Barreto VM, Melo EV, Aguiar-Oliveira MH. Voice Formants in Individuals With Congenital, Isolated, Lifetime Growth Hormone Deficiency *J Voice*. May 4. pii: S0892-19972015
113. Oliveira-Santos A, **Salvatori R**, Gomes-Santos E, Santana JAM, Leal ACGB, Barbosa RAAB, Oliveira CRP, Souza AHO, Aguiar-Oliveira MH Subject with isolated GH deficiency due to a null GHRHR mutation eat proportionally more, but healthier than controls *Endocrine* 2016 Feb;51(2):317-22 (corresponding author)
114. Rostomyan L, Daly AF, Petrossians P, Nachev E, Lila AR, Lise Lecoq A-L, Santamaria BL, Trivellin G, **Salvatori R**, Moraitis A, Holdaway IM, Kranenburg D, Zatelli MC, Palacios García N, Nozieres C, Zacharin M, Ebeling T, Ojaniemi M, Rozhinskaya L, Verrua L, Jaffrain-Rea M-L, Filippini S, Gusakova D, Pronin V, Bertherat GY, Belaya Z, Ilovaiskaya I, Sahnoun-Fathallah M, Jung-Sievers C, Stalla GK, Emilie Castermans E, Caberg J-H, Sorkina E, Auriemma RS, Mittal S, Kareva M, Lysy PA Emy P, De Menis E, Choong CS, Mantovani G, Bours V, De Herder W, Brue T, Barlier A, Sebastian Neggers SJCM, Zacharieva S, Chanson P, Samir Shah N, Stratakis CA, Naves LA and Beckers A. Clinical and Genetic Characterization of Pituitary Gigantism: An International Collaborative Study in 208 Patients. *Endocr Relat Cancer* 22:745-57 2015
115. Rowe SP, Bishop JA, Prescott JD, **Salvatori R**, Fishman EK CT Appearance of Adrenal Cystic Lymphangioma: Radiologic-Pathologic Correlation *Am J Roentgenol* 206:81-5 2016
116. Costa UMM, Oliveira CRP, **Salvatori R**, Barreto-Filho JAS, Campos VC, Oliveira FT, Rocha IES, Oliveira JLM, Wersley, Silva A, and Aguiar-Oliveira MH Brazilian adult individuals with untreated isolated GH deficiency do not have accelerated subclinical atherosclerosis. *Endocrine Connections*, 5(1):41-6, 2016 (corresponding author)
117. Tuffaha SH, Budihardjo JD, Sarhane KA, Khusheim M, Song D, Broyles JM, **Salvatori R**, Means KR Jr, Higgins JP, Shores J, Cooney D, Höke A, Lee WP, Brandacher G. Growth Hormone Therapy Accelerates Axonal Regeneration, Promotes Motor Reinnervation, and Reduces Muscle Atrophy Following Peripheral Nerve Injury. *Plast Reconstr Surg*. 137:1771-80 2016
118. Guaraldi E, Gori D, Beccuti G, Prencipe N, Giordano R, Mints Y, Di Giacomo VS, Berton A, Lorente M, Gasco V, Ghigo E, **Salvatori R**, Grottoli S Usefulness of an ad hoc questionnaire (Acro-CQ) for the systematic assessment of acromegaly comorbidities at diagnosis and their management at follow-up. *J Endocrinol Invest* 39:1277-1284, 2016
119. Radvany MG, Quinones-Hinojosa A, Gallia GL, Wand, GS, and **Salvatori R** Venous Sampling for Cushing Disease: Comparison of Internal Jugular Vein and Inferior Petrosal Sinus Sampling *Endocrine Pract*, 9:1057-61 2016
120. Campos VC, Barrios MR, **Salvatori R**, Pacheco de Almeida R, de Melo EV, Nascimento ACS, Ribeiro de Jesus A, and Aguiar-Oliveira MH Infectious diseases and immunological responses in adult subjects with lifetime untreated, congenital GH deficiency *Endocrine* 2016;54(1):182-190 (corresponding author)
121. Pereira-Gurgel V, Faro ACN, **Salvatori R**, Chagas TA Carvalho-Junior JF, Oliveira CRP, Costa UMM, Melo GB, Hellström A, and Aguiar-Oliveira MH. Abnormal vascular and neural retinal morphology in congenital lifetime isolated growth hormone deficiency. *GH IGF Res*, 27:11-15 2016 (corresponding author)
122. Rowe SP, Mathur A, Bishop JA, Epstein JI, Prescott JD, **Salvatori R**, Siegelman SS, Fishman EK. Computed Tomography Appearance of Surgically Resected Adrenal Hematomas. *J Comput Assist Tomogr*. 40:892-895, 2016
123. Eseonu CI, ReFaey K, Rincon-Torroella J, Garcia O, Wand GS, **Salvatori R**, and Quinones-Hinojosa A. Endoscopic versus microscopic transsphenoidal approach for pituitary adenomas: Comparison of outcomes during the transition of methods of a single-surgeon. *World J Neurosurg* 2016 pii: S1878-87
124. Prete A, Paragliola RM, Bottiglieri F, Rota CA, Pontecorvi A, **Salvatori R**, and Corsello SM. Factors predicting the duration of adrenal insufficiency in patients successfully treated for Cushing disease and nonmalignant primary adrenal Cushing syndrome. *Endocrine*. 2017 55: 969-980
125. Faro ACN, Pereira-Gurgel V, **Salvatori R**, Campos VC, Melo GB, Oliveira FT, Oliveira-Santos AA, Oliveira CRP, Pereira FA, Hellström A, Oliveira-Neto L, and Aguiar-Oliveira MH Ocular findings in adult subjects with congenital, lifetime, isolated, untreated growth hormone deficiency. *Growth Horm & IGF Res*, 2017 34: 8-12, 2017 (corresponding author)
126. Oliveira FT, **Salvatori R**, Marcondes J, Macena LB, Oliveira-Santos AA, Faro ACN, Campos VC, Oliveira CRP, Costa UMM, and Aguiar-Oliveira MH. Altered sleep patterns in patients with non-functional GHRH receptor. *Eur J Endocrinol*, EJE-17-0145, 2017 (corresponding author)

127. **Salvatori R**, Radian S, Diekmann Y, Iacovazzo D, David A, Gabrovska P, Grassi G, Bussell A-M, Stals K, Weber A, Quinton R, Crowne EC, Corazzini V, Metherell L, Kearney T, Du Plessis D, Sinha AK, Baborie A, Lecoq A-L, Chanson P, Ansorge O, Ellard S, Trainer PJ, Balding D, Thomas MG and Korbonits M. In-frame seven amino-acid duplication in AIP arose over the last 3000 years, disrupts protein interaction & stability and is associated with gigantism *Eur J Endocrinol* 177:257-266 2017
128. **Salvatori R**, Gordon MB, Woodmansee WW, Ioachimescu AG, Carver DW, Mirakhur B, Cox D, and Molitch ME. A multicenter, observational study of lanreotide depot/autogel (LAN) in patients with acromegaly in the United States: 2-year experience from the SODA registry. *Pituitary* 20:605-618, 2017
129. Corsello A, Di Dalmazi G, Pani F, Chalan P, **Salvatori R**, and Caturegli P. Walter E. Dandy: His contributions to pituitary surgery in the context of the overall Johns Hopkins Hospital experience *Pituitary*, 20:683-691, 2017
130. Lacroix A, Gu F; Gallardo W; Pivonello R, Yu, Y; Witek P, Boscaro M, **Salvatori R**, Yamada M, Tauchmanova L, Roughton M, Ravichandran S, Petersenn SS, Biller BM, and Newell-Price J. Efficacy and safety of once-monthly pasireotide in patients with Cushing's disease: results from a 12-month clinical trial. *Lancet Endo Metab* 2018 Jan;6(1):17-26.
131. Recinella L, Leone S, Ferrante C, Chiavaroli A, Shohreh R, Di Nisio C, Vacca M, Orlando G, **Salvatori R**, and Brunetti L. Effects of growth hormone-releasing hormone gene targeted ablation on ghrelin-induced feeding. 2017 Dec;37:40-46
132. Andrade, Oliveira Valenca EH, **Salvatori R**, Souza A, Oliveira-Neto L, Oliveira A, Oliveira M, Melo E, Andrade M, Freitas C, Santos M, Custodio F, Monteiro G, Carvalho, S, and Aguiar-Oliveira MH. Effects of therapy with semi-occluded vocal tract and choir training on voice in adult individuals with congenital, isolated, untreated growth hormone deficiency *J Voice* 2018 Mar 19. pii: S0892-1997(18)30006-7
133. Marinho CG, Mermejo LM, **Salvatori R**, Assirati-Junior JA, Oliveira CRP, Santos EG, Leal ACGB, Barros-Oliveira CS, Damascena NP, Lima CA, Farias CT, Moreira AC, and Aguiar-Oliveira MH. Occurrence of neoplasms in individuals with congenital, severe GH deficiency from the Itabaianinha kindred. *Growth Horm & IGF Res*, 2018 Mar 12. pii: S1096-6374
134. Araújo IMP, Albuquerque-Souza E, Aguiar-Oliveira MH, Holzhausen M, Oliveira-Neto LA, **Salvatori R**, Saraiva L, Mayer MPA, Pannuti CM, Ribeiro AO, Romito GA, and Pustigliani FE. Immunological and microbiological periodontal profiles in isolated growth hormone deficiency. *J Periodontol*. 89:1351-1361, 2018
135. Woodmansee WW, Gordon MB, Molitch ME, Ioachimescu AG, Carver DW, Mirakhur B, Cox D, and **Salvatori R**. Screening for comorbid conditions in patients enrolled in the SODA registry: a 2-year observational analysis. *Endocrine* 2018 May 16. doi: 10.1007/s12020-018-1615-3. [Epub ahead of print]
136. Eseonu CI, ReFaey K, Garcia O, **Salvatori R**, and Quinones-Hinojosa A. Comparative Cost Analysis of Endoscopic versus Microscopic Endonasal Transsphenoidal Surgery for Pituitary Adenomas *J Neurol Surg B Skull Base*. 2018 Apr;79(2):131-138.
137. Bodart G, Farhat K, Renard-Charlet C, Becker G, Plenevaux A, **Salvatori R**, Geenen V, and Martens H. The Severe Deficiency of the Somatotrope GH-Releasing Hormone/Growth Hormone/Insulin-Like Growth Factor 1 Axis of Ghrh-/- Mice Is Associated With an Important Splenic Atrophy and Relative B Lymphopenia. *Front Endocrinol (Lausanne)*. 2018 Jun 6;9:296
138. Leone S, Recinella L, Chiavaroli A, Ferrante C, Orlando G, Vacca M, **Salvatori R**, and Brunetti L. Behavioural phenotyping, learning and memory in young and aged growth hormone-releasing hormone knockout mice. *Endocr Connect*. 2018 Jun 22. pii: EC-18-0165
139. Geenen V, Farhat K, Bodart G, Renard Charlet C, Desmet C, Moutschen M, Beguin Y, Baron F, Melin-Remont P, Quatresooz P, Desmecht D, Sirard JC, **Salvatori R** and Martens H. Growth hormone (GH) deficient mice with GHRH gene ablation are severely deficient in vaccine and immune responses against *Streptococcus pneumonia* *Front Immunol (Lausanne)* 2018 Oct 2;9:2175.2018
140. Andrade-Guimarães AL, Aguiar-Oliveira MH, **Salvatori R**, Carvalho VO, Alvim-Pereira F, Araújo Daniel CR, Moreira Brasileiro GA, Santana-Ribeiro AA, Santos-Carvalho HA, Oliveira CRP, Vieira ER, and Gois-Junior MB. Adult individuals with congenital, untreated, severe isolated growth hormone deficiency have satisfactory muscular function *Endocrine* 2019 Jan;63(1):112-119. (corresponding author)
141. Nicholas SE, **Salvatori R**, Quiñones-Hinojosa A, Redmond K, Gallia G, Lim M, Rigamonti D, Brem H, and Kleinberg L. Deferred Radiotherapy After Debulking of Non-functioning Pituitary Macroadenomas: Clinical Outcomes *Front Oncol*, 2019 Jan 10;8:660
142. Holman J, **Salvatori R**, Fishman EK, and Johnson PT. Caveat regarding CMS Merit-based Incentive Payment Systems incidental adrenal nodule measure. *Abdom Radiol (NY)*. 2019 Mar;44(3):1152-1154
143. Santana-Ribeiro AA, Moreira-Brasileiro GA, Aguiar-Oliveira MH, **Salvatori R**, Carvalho VO, Alvim-Pereira CK, Araújo-Daniel CR, Reis-Costa J, Andrade-Guimarães AL, Oliveira-Santos AA, Vieira ER, and Gois-Junior M.

- Walking and postural balance in adults with severe short stature due to isolated GH deficiency. *Endocr Conn*, 2019 Mar 1. pii: EC-19-0103 (corresponding author)
144. Oliveira-Santos AA, **Salvatori R**, Nogueira MC, Bueno AC, Barros-Oliveira CS, Leal, ACGB, Marinho CG, Damascena NP, Oliveira DA, Melo MA, Oliveira CRP, da Costa FO, dos Santos JSS, Santos PFC, Campos VC, Santos EG, Melo EV, Barbosa MLA, Rocha IES, de Castro M, and Aguiar Oliveira MH. Enteroendocrine connections in congenital isolated GH deficiency due to a GHRH receptor gene mutation. *J Clin Endocrinol Metab* 2019 Mar 12. pii: jc.2019-00094 (corresponding author)
 145. Reinheimer DM, Andrade BMR, Nascimento JFK, Fonte JBM, Araújo IMP, Martins-Filho PRS, **Salvatori R**, Valença EHO, Oliveira AHA and Aguiar-Oliveira MH Formant frequencies, cephalometric measures and pharyngeal airway width in adults with congenital, isolated and untreated growth hormone deficiency. *J of Voice* 2019 May 27. pii: S0892-1997(19)30061-X
 146. Barros-Oliveira CS, **Salvatori R**, Dos Santos JSS, Santos PFC, Oliveira-Santos AA, Marinho CG, Santos EG, Leal ACGB, Campos VC, Damascena NP, Oliveira CRP, and Aguiar-Oliveira MH. Sweat and vitamin D status in congenital, lifetime, untreated GH deficiency. *Endocrine*. 2019 Sep;65(3):710-713 (corresponding author)
 147. Leone S, Chiavaroli A, Recinella L, Orlando G, Ferrante C, Marconi GD, Gasparo I, Bitto A, **Salvatori R**, and Brunetti L. Increased pain and inflammatory sensitivity in growth hormone-releasing hormone (GHRH) knockout mice. *Prostaglandins Other Lipid Mediat*. 2019 Oct;144:106362.
 148. Barrios MR, Campos VC, Peres NT, 3, Oliveira LL, Cazzaniga RA, Santos MB, Aires MB, Silva RL, Barreto A, Goto H, Almeida RP, **Salvatori R**, Aguiar-Oliveira MH and De Jesus AR. Macrophages from subjects with isolated GH/IGF-I deficiency due to a GHRH receptor gene mutation are less prone to infection by *Leishmania amazonensis*. *Front Cell Infect Microbiol*, 2019 Aug 30;9:311
 149. Fleseriu M, Pivonello R, Elenkova A, **Salvatori R**, Auchus RJ, Feelders RA, Geer EB, Greenman Y, Witek P, Cohen F, and Biller BMK Efficacy and safety of levoketoconazole in the treatment of endogenous Cushing's syndrome (SONICS): a phase 3, multicentre, open-label, single-arm trial. *Lancet Diab Endocrinol* 2019 Nov;7(11):855-865
 150. Leone S, Chiavaroli A, Recinella L, Di Valerio V, Veschi S, Gasparo I, Bitto A, Ferrante C, Orlando G, **Salvatori R**, and Brunetti L. Growth hormone-releasing hormone (GHRH) deficiency promotes inflammation-associated carcinogenesis. *Pharmacol Res*. 2020 Feb;152:104614
 151. Santos-Carvalho H, Aguiar-Oliveira MH, **Salvatori R**, Valença EHO, Andrade-Guimarães AL, Palanch-Repeke CE, Moreira-Cândido LP, Araújo-Daniel CR, Oliveira-Barreto AC, Andrade BMR, Oliveira AHA, Vieira ER, and Gois-Junior MB Vestibular function in severe GH deficiency due to an inactivating mutation in the GH releasing hormone receptor gene *Endocrine* 2020 Mar;67(3):659-664 (corresponding author)
 152. Lacroix A, Bronstein MD, Schopohl J, Delibasi T, **Salvatori R**, Li Y, Barkan A, Suzaki N, Tauchmanova L, Ortmann C-E, Ravichandran S, Petersenn S, and Pivonello R. Long-acting pasireotide improves clinical signs and quality of life in Cushing's disease: Results from a Phase III study *J Endocrinol Invest*, 2020 May 8. doi: 10.1007/s40618-020-01246-0
 153. Majidi F, Martino S, Kondakci M, Antke C, Haase M, Chortis V, Arlt W, Ronchi CL, Fassnacht M, Laurent C, Petit J-M, Casasnovas O, Habra MA, Kanji A, **Salvatori R**, Ho ATN, Spyroglou A, Beuschlein F, Villa D, Limvorapitak W, Wahlin EB, Gimm O, Rudelius M, Schott, M, Germing U, Haas R, and Gattermann N. Clinical spectrum of primary adrenal lymphoma: results of a multicenter cohort study. *Eur J Endocrinol*, 2020 Jun 1;EJE-19-0506.R4. doi: 10.1530/EJE-19-0506
 154. Cooper O, Bonert VS, Rudnick J, Pressman BD, Lo J, **Salvatori R**, Yuen K, Fleseriu M, Melmed S. EGFR/ErbB2 targeting lapatinib therapy for aggressive prolactinomas. *Clin Endocrinol Metab*. 2020 Nov 5:dga805. doi: 10.1210/clinem/dga805. Online ahead of print
 155. Marinho CG, Melo HA, **Salvatori R**, Nunes MAP, Oliveira CRP, Campos VC, Barros-Oliveira CS, Oliveira-Santos AA, Menezes NV, Santos-Júnior HT, Santos EG, Melo MA, Oliveira JLM, Melo EV, and Aguiar-Oliveira MH. Cerebral vasoreactivity, a surrogate marker of cerebrovascular disease, is not impaired in subjects with lifetime, untreated, congenital isolated GH deficiency. *Endocrine* 2020 Nov;70(2):388-395 (corresponding author)
 156. Khalafallah AM, Shah PP, Huq S, Jimenez AE, Patel PP, London NR Jr, Hamrahian AH, **Salvatori R**, Gallia GL, Rowan NR, Mukherjee D. The 5-factor modified frailty index predicts health burden following surgery for pituitary adenomas. *Pituitary*. 2020 Dec;23(6):630-640.
 157. Hage C, and **Salvatori R** Predictors of the response to dopaminergic therapy in patients with prolactinoma. *J Clin Endocrinol Metab*, 020 Dec 1;105(12):dga865.
 158. Geer EB*, **Salvatori R***, Elenkova A, Fleseriu M, Pivonello R, Witek P, Feelders RA, Bex M, Borresen SW, Puglisi S, Biller BMK, Cohen F, Pecori Giraldi F. Levoketoconazole improves clinical signs and symptoms and

- patient-reported outcomes in patients with Cushing's syndrome. *Pituitary* 2021 Feb;24(1):104-115. doi: 10.1007/s11102-020-01103-6. Online ahead of print. *contributed equally
159. Perlman J, Johnston P, Hui F, Mulligan G, Weil RJ, Recinos PF, Yogi-Morren D, **Salvatori R**, Mukherjee D, Gallia G, Kennedy L, Hamrahian AH. The potential pitfalls in performing and interpreting inferior petrosal sinus sampling: personal experience and review of the literature. *J Clin Endocrinol Metab* 2021 Apr 23;106(5):e1953-e1967. doi: 10.1210/clinem/dgab012.
 160. Duan D, Wehbeh L, Mukherjee D, Hamrahian AH, Rodriguez FJ, Gujar S, Khalafallah AM, Hage C, Caturegli P, Gallia GL, Ahima RS, Maruthur, and **Salvatori R**. Preoperative BMI Predicts Postoperative Weight Gain in Adult-Onset Craniopharyngioma. *J Clin Endocrinol*. 2021 Mar 25;106(4):e1603-e1617. doi: 10.1210/clinem/dgaa985
 161. Oliveira-Santos AA, **Salvatori R**, Bueno AC, Nogueira MC, Campos VC, Melo MA, Oliveira CRP, Barros-Oliveira CS, Marinho CG, Damascena NP, Santos EG, Melo EV, de Paula FJA, de Castro M, and Aguiar-Oliveira MH. Reduced fibroblast growth factor 21 and β -Klotho secretion in untreated congenital isolated GH deficiency 2021 Mar 26. doi: 10.1007/s12020-021-02700-6. 2021 Jul;73(1):160-165. doi: 10.1007/s12020-021-02700-6. Epub 2021 Mar 26. (corresponding author)
 162. Melo MA, Borges LP, **Salvatori R**, Souza DRV, Santos-Júnior HT, de Neto JM, VCampos VC, Santos AA, Oliveira CRP, da Invenção GB, Batista VO, Matos ILS, Barros-Oliveira CS, dos Santos KA, Santos EG, NSouza NAA, Melo EV, Borges PC, Santos SEFS, de Oliveira BM, liveira-Santos AA, de Jesus AR, and. Aguiar-Oliveira MH (corresponding author) Individuals with isolated congenital GH deficiency due to a GHRH receptor gene mutation appear to cope better with SARS-CoV-2 infection than controls. *Endocrine*, 2021 May;72(2):349-355. doi: 10.1007/s12020-021-02728-8. Epub 2021 Apr 16. (corresponding author)
 163. Saccon TD, Schneider A, Marinho CG, Nunes ADC, Nouredine A, Dhahbi J, Yury Lopez YO, LeMunyan G, **Salvatori R**, Oliveira CRP, Oliveira-Santos A, Musi N, Bartke A, Aguiar-Oliveira MH, Masternak MM. Circulating microRNA profile in humans and mice with congenital GH deficiency. *Aging Cell*, 2021 Jun 12;e13420. doi: 10.1111/accel.13420.
 164. Fleseriu M, Fuhrer D, van der Lely AJ, De Marinis L, Brue T, van der Lans-Bussemaker J, Hey-Hadavi J, Camacho-Hubner C, Wajnrajch MP, Valluri SR, Palladino AA, Gomez R, **Salvatori R**. More than a decade of real-world experience of pegvisomant for acromegaly: ACROSTUDY. *Eur J Endocrinol*. 2021 Aug 1:EJE-21-0239.R1. doi: 10.1530/EJE-21-0239..
 165. Hage C, and **Salvatori R**. Speed of response to dopaminergic agents in prolactinomas. *Endocrine*, 2021 Nov 30. doi: 10.1007/s12020-021-02953-1
 166. **Salvatori R**, Maffei P, Webb SM, Brue T, Loftus J, Valluri SR, Gomez R, Wajnrajch MP, and Fleseriu M. Patient-reported outcomes in patients with acromegaly treated with pegvisomant in the ACROSTUDY extension: a real-world experience. *Pituitary*, 2022 Jan 12. doi: 10.1007/s11102-022-01206-
 167. Girao RS, Aguiar-Oliveira MH, Andrade BMR, Bittencourt MAV, **Salvatori R**, Silva EV, Santos ALM, Matheus Cunha MM, Takeshita WM, Oliveira AHA, Valença EHO, Oliveira-Santos AA, and Oliveira-Neto LA. Dental arches in inherited severe isolated growth hormone deficiency. *GH & IGF Res* 62 (2022) 101444
 168. Oliveira-Neto LA, Nascimento JKF, **Salvatori R**, Oliveira-Santos AA, Girão RS, Silva EV, Santos ALM, Cunha MM, Bittencourt MAV, Rodrigues GT, Andrade BMR, Oliveira AHA, Valença EHO, and Aguiar-Oliveira MH. Growth of teeth and bones in adult subjects with congenital untreated isolated growth hormone deficiency. *Growth Horm IGF Res* 2022 Aug;65:101469. doi: 10.1016/j.ghir.2022.101469. Epub 2022 May 19.
 169. Husni H, Abusamaan MS, Dinparastisaleh R, Sokoll L, **Salvatori R**, and Hamrahian AH. Cortisol Values During the Standard-Dose Cosyntropin Stimulation Test: Personal Experience with Elecsys Cortisol II Assay. *Frontiers Endocrinol*, 2022 Aug 18;13:978238
 170. Menezes NV, Barros-Oliveira CS, **Salvatori R**, Gois VC, Marinho CG, Oliveira CRP, Campos VC, Oliveira-Santos AA, Santos-Júnior HT, Santos EG, Melo EV, Faro ACN, Oliveira NV, Gumes-Felix HM, Melo GB, and Aguiar-Oliveira MH. Quantitative measures of the vascular and neural components of the retina in adult individuals with congenital and untreated growth hormone deficiency. *Int J Retina Vitreous*. 2022 Oct 1;8(1):72
 171. Rakovec M, Zhu W, Khalafallah AM, **Salvatori R**, Hamrahian AH, Gallia GL, Ishii M, London NR Jr, Ramanathan M Jr, Rowan NR, and Mukherjee D. Patient reported outcomes and treatment satisfaction in patients with Cushing syndrome. *Endocrine*. 2022 Oct 13. doi: 10.1007/s12020-022-03214-5.
 172. Fleseriu M, Auchus RJ, Greenman Y, Zacharieva S, Geer EB, **Salvatori R**, Pivonello R, Feldt-Rasmussen U, Kennedy L, Buchfelder M, Biller BMK, Cohen F, and Heaney AP Levoketoconazole treatment in endogenous Cushing's syndrome: extended evaluation of clinical, biochemical, and radiologic outcomes. *Eur J Endocrinol*. 2022 Oct 1;EJE-22-0506
 173. Aguiar-Oliveira MH, **Salvatori R**. The state of Sergipe contribution to GH research: from Souza Leite to Itabaianinha syndrome. *Arch Endocrinol Metab* 2022 Nov 17;66(6):919-928

174. Santos-Júnior HT, Silva-Albuquerque VM, **Salvatori R**, Melo EV, Oliveira-Santos AA, Oliveira CRP, Campos VC, Barros-Oliveira CS, Menezes NV, Santos EG, Pereira FA, Santana NO, Batista VO, Villar-Gouy KR, and Aguiar-Oliveira MH. Function and form and of the shoulder in congenital and untreated growth hormone deficiency. *Endocrine*. 2023 Sep;81(3):547-554.
175. Recinella L, Libero ML, Veschi S, Piro A, Marconi GD, Diomede F, Chiavaroli A, Orlando G, Ferrante C, Florio R, Lamolinara A, Cai R, Shae W, Schallye AV, **Salvatori R**, Brunetti L, and Leone S Effects of GHRH deficiency and GHRH antagonism on emotional disorders in mice. *Cells*, 2023 Nov 12;12(22):2615.
176. Batista VO, Kellner M, **Salvatori R**, Oliveira W, Faro A, Santos LB, Melo EV, Santos AA, Oliveira CRP, Campos VC, Barros-Oliveira CS, Santos EG, Santana NO, Villar-Gouy KR, Leal ÂCO, Amorim RS, Oliveira Simões DA, and Aguiar-Oliveira MH. Cognitive performance during senescence in untreated congenital isolated GH deficiency. *Endocr Connect*. 2023 Nov 1:EC-23-0401.
177. Santos LB, Kellner M, Lisboa W, Faro A, Oliveira CRP, Batista VO, Oliveira-Santos A, de Vita Alves de Brito I, Campos VC, Villar-Gouy KR, Leal AC, Amorim RS, Melo EV, Santos EG, **Salvatori R**, and Aguiar-Oliveira MH. Portuguese version of the Independent Cognitive Literacy Assessment (LICA) in individuals aged 50 or over with the Itabaianinha syndrome. *Arch Endocrinol Metab* *in press*
178. Villar-Gouy KR, Garrido Salmon CE, **Salvatori R**, Kellner M, Krauss MPO, Rocha TO, Almeida de Souza E, Batista VO · Leal AC, Santos LB, Melo EV, Oliveira-Santos AA, Oliveira CRP, Campos VC · Santos EG, Santana NO, Pereira FA, Amorim RS, Donato-Junior J, Soares Barreto Filho JA, Santos AC and Aguiar-Oliveira MH. Brain morphometry and estimation of aging brain in subjects with congenital untreated isolated GH deficiency. *Journal of Endocrinological Investigation* <https://doi.org/10.1007/s40618-024-02372-9>
179. Barros-Oliveira CS, Melo de Jesus MJ, Campos VC, **Salvatori R**, de Souza Araújo AA, Fernandes Soares Neto, Bartke A, Batista VO, Schneider A, Villar-Gouy KR, Masternak MM, Leal AC, Santos LB, Oliveira CRP, Santos EG, Oliveira Simões DA, de Santana Silva B, and Manuel H. Aguiar-Oliveira MH: Skin assessment in congenital untreated isolated GH deficiency. *Endocrine* 2024 May 4. doi: 10.1007/s12020-024-03840-1.
180. Rodriguez E, Fedorova T, Daskam M, Baraban E, Foote DC, **Salvatori R**, Singla N, Fishman EK, Chen Cardenas SM, Ball D, Hamrahian A, Mathur A, Morris-Wiseman LF. Adrenal Cysts <10 cm Can be Safely Observed. *World J Surg* *in press*

Review Articles [RA]

1. **Salvatori R**, and Levine MA: Bisphosphonates for treating and preventing osteoporosis. *Contemporary OB/GYN* 43: 105-120, 1998
2. Alba M, and **Salvatori R** GHRH receptor mutations in isolated GH deficiency. *The Endocrinologist* 13, 422-7, 2003
3. **Salvatori R** Growth hormone and IGF-1. *Rev Endocr Metabol Dis* 5: 15-23, 2004 : 9
4. Alba M, and **Salvatori R** Familial GH deficiency and mutations in the GHRH receptor gene. *Vitam Horm* 69: 209-20, 2004
5. **Salvatori R**. Adrenal Insufficiency *JAMA* 294: 2481-8, 2005
6. Mathioudakis N, and **Salvatori R** Adult-onset growth hormone deficiency: causes, complications and treatment options. *Curr Opin Endocrinol Metabol*, 15:352-8, 2008
7. **Salvatori R** Ectopic Cushing's syndrome: some facts. *Ind J Med Res* 129:4-6, 2009
8. Mathioudakis N, and **Salvatori R** Pituitary Tumors, *Curr Treat Opt Neurol* 11:287-96, 2009
9. **Salvatori R**. Clinical management of growth hormone therapy in adults. *Manag Care* 18 (8 Suppl 6): 10-6, 2009.
10. Martari M, and **Salvatori R** Diseases associated with growth hormone-releasing hormone receptor mutations *Progress in Molecular Biology and Translational Science*, 88: 57-84, 2009
11. de Almeida JP, Sherman JH, **Salvatori R**, and Quiñones-Hinojosa A. Pituitary stem cells: review of the literature and current understanding. *Neurosurgery* 67:770-80, 2010
12. Guaraldi F, and **Salvatori R** Familial isolated pituitary adenomas (FIPA): from genetics to therapy. *Clin Translat Sci*, 4:55-62, 2011
13. Guaraldi F, and **Salvatori R** Cushing's syndrome: maybe not so uncommon of an endocrine disease. *J Am Board Fam Med*, 25:199-208, 2012
14. Torino F, Barnabei A, De Vecchis L, **Salvatori R**, and Corsello SM. Hypophysitis induced by monoclonal antibodies to cytotoxic T lymphocyte antigen-4: challenges from a new cause of a rare disease. *The Oncologist* 17:525-35, 2012
15. Mathioudakis N, **Salvatori R** Management options for persistent postoperative acromegaly *Neurosurg Clin N Am*. 23:621-38, 2012.

16. Corsello SM, Barnabei A, Marchetti, P, De Vecchis L, **Salvatori R** and Torino F Endocrine side-effects induced by immune checkpoint inhibitors J Clin Endocrinol Metab, 98:1361-75, 2013
17. Torino F, Barnabei A, Paragliola RM, Marchetti, P, **Salvatori, R**, and Corsello SM. Monoclonal antibodies and pituitary dysfunction: clinical evidence and pathogenic hypotheses. Eur J Endocrinol, 169:153-64, 2013
18. **Salvatori R**. Surgical treatment of microprolactinomas: pros. Endocrine 47:725-9 2014
19. Paragliola RM, Prete A, Kaplan PW, Corsello SM, and **Salvatori R**. Treatment of hypopituitarism in patients receiving antiepileptic drugs. Lancet Diabetes Endocrinol 3:132-40 2105
20. Hicks CW, Wick EC, **Salvatori R**, and Ha CY. Perioperative Corticosteroid Management for Patients with Inflammatory Bowel Disease. Inflamm Bowel Dis. 21:221-8, 2015
21. Prete A, Paragliola RM, **Salvatori R**, Corsello SM. Management of catecholamine secreting tumors in pregnancy: a review. Endocr Pract. 22:357-70, 2016
22. Tuffaha SH, Singh P, Budihardjo JD, Means KR, Higgins JP, Shores JT, **Salvatori R**, Höke A, Lee WP, Brandacher G. Therapeutic augmentation of the growth hormone axis to improve outcomes following peripheral nerve injury. Expert Opin Ther Targets. 2016 May 24:1-7. [Epub ahead of print]
23. Torino F, Corsello SM, **Salvatori R**. Endocrinological side effects of checkpoint inhibitors. Current Opinion in Oncology, 28:278-87, 2016
24. Fleseriu M, Hashim I, Karavitaki N, Melmed S, Murad MH, **Salvatori R**, Samuels M. Hormonal Replacement in hypopituitarism in adults: An Endocrine Society Clinical Practice Guideline. J Clin Endocrinol Metab 2016 Oct 13:jc20162118.
25. Paragliola RM, Corsello SM, and **Salvatori R**. Somatostatin receptor ligands in acromegaly: clinical response and factors predicting resistance. Pituitary, 20(1):109-115 2017.
26. Prete A, Corsello SM, and **Salvatori R**. Current best practice in the management of patients after pituitary surgery. Ther Adv Endocrinol Metab 8(3):33-48 2017
27. Bodart G, Farhat K, Charlet-Renard C, **Salvatori R**, Geenen V, Martens H. The Somatotrope Growth Hormone-Releasing Hormone/Growth Hormone/Insulin-Like Growth Factor-1 Axis in Immunoregulation and Immunosenescence. Front Horm Res. 48:147-159, 2017
28. Aguiar-Oliveira MH, Souza AHO, Oliveira CRP, Campos VC, Oliveira-Neto L and **Salvatori R** The multiple facets of GHRH/ GH/IGF-I axis: lessons from lifetime, untreated, isolated GH deficiency due to a GHRH receptor gene mutation. Eur J Endocrinol, 2017 Apr 20. pii: EJE-16-1047.
29. **Salvatori R**. Dopamine agonist withdrawal in hyperprolactinemia: when and how. Endocrine. 2018 Jan;59(1):4-6
30. **Salvatori R**. Posterior pituitary abnormalities caused by pituitary tumors. Current Opinion in Endocrine and Metabolic Research 2018, 1:25– 28
31. Paragliola RM and **Salvatori R** Novel somatostatin receptor ligands therapies for acromegaly. Front Endocrinol (Lausanne). 2018 Mar 7;9:78
32. Prete A, and **Salvatori R** Hypophysitis In: De Groot LJ, Chrousos G, Dungan K, Feingold KR, Grossman A, Hershman JM, Koch C, Korbonits M, McLachlan R, New M, Purnell J, Rebar R, Singer F, Vinik A, editors. Endotext [Internet]. South Dartmouth (MA): MDText.com, Inc.; 2000-.2018 Aug 15.
33. Wehbeh L, Alreddawi S, and **Salvatori R** Hypophysitis in the era of immune checkpoint inhibitors and immunoglobulin G4-related disease. Expert Rev Endocrinol Metab. 2019 Mar 27:1-12
34. Aguiar-Oliveira MH, and **Salvatori R** Disruption of the GHRH receptor and its impact on children and adults: the Itabaianinha syndrome Rev Endocr Metab Disord, 2021 Mar;22(1):81-89.
35. Fleseriu M, Auchus RJ, Pivonello R, **Salvatori R**, Zacharieva, Biller BMK Levoketoconazole: a novel treatment for endogenous Cushing's syndrome. Exp Rev Endocrinol Metab, 2021 Jul;16(4):159-174. doi: 10.1080/17446651.2021.1945440. Epub 2021 Aug 12
36. Barnabei A, Strigari L, Corsello A, Paragliola RM, Falzone L, **Salvatori R**, Corsello SM, and Torino F. Immune Checkpoint Inhibitor-Induced Central Diabetes Insipidus: Looking for the Needle in the Haystack or a Very Rare Side-Effect to Promptly Diagnose? Front. Oncol., 03 March 2022
37. Barnabei A, Strigari L, Corsello A, Paragliola RM, Iannantuono GM, **Salvatori R**, Corsello SM, and Torino F. Grading Central Diabetes Insipidus Induced by Immune Checkpoint Inhibitors: A Challenging Task. Front Endocrinol (Lausanne). 2022 Mar 21;13:840971. doi: 10.3389/fendo.2022.840971. eCollection 2022
38. Hage C, Gan HW, Ibba A, Patti G, Dattani M, Loche S, Maghnie M, and **Salvatori R**. Advances in differential diagnosis and management of growth hormone deficiency in children. Nat Rev Endocrinol. 2021 Oct;17(10):608-624
39. Paragliola RM, Carrozza C, Corsello SM, and **Salvatori R**. The biochemical diagnosis of acromegaly: revising the role of measurement of IGF-I and GH after glucose load in 5 questions. Expert Rev Endocrinol Metab 2022 May;17(3):205-224. doi: 10.1080/17446651.2022.2069558. Epub 2022 Apr 29.
40. Chen Cardenas SM, Santhanam P, Morris-Wiseman L, **Salvatori R**, and Hamrahian AH. Perioperative Evaluation and Management of Patients on Glucocorticoids. J Endocr Soc 2022 Dec 2;7(2):bvac185.

41. Paragliola RM, Locantore P, Corsello SM, and **Salvatori R**. Treating hypopituitarism in the over 65: review of clinical studies. *Clin Interv Aging* 2023 Mar 21;18:423-439.
42. Corsello A, Paragliola RM, and **Salvatori R** Diagnosing and treating the elderly individual with hypopituitarism *Rev Endocr Metabol Dis* 2023 Dec 27. doi: 10.1007/s11154-023-0987
43. Bhat SZ, and **Salvatori R** Current role of pasireotide in the treatment of acromegaly. *Best Pract Res Clin Endocrinol Metab* 2024 24:101875.

Commentaries/Guidelines

1. **Salvatori R** The differential diagnosis of pituitary stalk thickening. *Endocr Pract* 2019 Jun;25(6):616-618
2. **Salvatori R** Perioperative glucocorticoid therapy in adrenal insufficiency: what is the correct dose? *J Clin Endocrinol Metab*. 2020 Feb 18. pii: dgaa102. doi: 10.1210/clinem/dgaa102. [Epub ahead of print]
3. Giustina A, Barkan A, Beckers A, Biermasz N, Biller BMK, Boguszewski C, Bolanowski M, Bonert V, Bronstein MD, Casanueva FF, Clemmons D, Colao AM, Ferone D, Fleseriu M, Frara S, Gadelha MR, Ghigo E, Gurnell M, Heaney A, Ho K, Ioachimescu A, Katznelson L, Kelestimur F, Kopchick J, Krsek M, Lamberts S, Losa M, Luger A, Maffei P, Marazuela M, Mazziotti GM, Mercado M, Mortini P, Neggers S, Pereira AM, Petersenn S, Puig-Domingo M, **Salvatori R**, Shimon I, Strasburger C, Tsagarakis S, van der Lely AJ, Wass J, Zatelli MC, and Melmed S: A Consensus on the Diagnosis and Treatment of Acromegaly Comorbidities: An Update. *J Clin Endocrinol Metab* 2020 Apr 1;105(4):dgz096. doi: 10.1210/clinem/dgz096.
4. Giustina A, Barkhoudarian G, Beckers A, Ben-Shlomo A, Biermasz N, Biller B, Boguszewski C, Bolanowski M, Bollerslev J, Bonert V, Bronstein MD, Buchfelder M, Casanueva F, Chanson P, Clemmons D, Fleseriu M, Formenti AM, Freda P, Gadelha M, Geer E, Gurnell M, Heaney AP, Ho KKY, Ioachimescu AG, Lamberts S, Laws E, Losa M, Maffei P, Mamelak A, Mercado M, Molitch M, Mortini P, Pereira AM, Petersenn S, Post K, Puig-Domingo M, **Salvatori R**, Samson SL, Shimon I, Strasburger C, Swearingen B, Trainer P, Vance ML, Wass J, Wierman ME, Yuen KCJ, Zatelli MC, and Melmed S. Multidisciplinary Management of Acromegaly: A Consensus. *Rev Endocr Metab Disord* 2020 Dec;21(4):667-678t
5. Ho KCC, Fleseriu M, Kaiser U, **Salvatori R**, Brue T, Lopes B, Kunz P, Molitch M, Camper SA, Gadelha M, Syro LV, Laws E, Reincke M, Nishioka H, Grossman A, Barkan A, Casanueva F, Wass J, Mamelak A, Katznelson L, van der Lely AJ, Radovick S, Bidlingmaier M, Boguszewski M, Bollerslev J, Hoffman AR, Oyesiku N, Raverot G, Ben-Shlomo A, Fowkes R, Shimon I, Fukuoka H, Pereira AM, Greenman Y, Heaney AP, Gurnell M, Johannsson G, Osamura RY, Buchfelder M, Zatelli MC, Korbonits M, Chanson P, Biermasz N, Clemmons D, Karavitaki N, Bronstein MD, Melmed S: Pituitary Neoplasm Nomenclature Workshop: Does Adenoma Stand the Test of Time? *J Endocr Soc* 2021 Feb 9;5(3):bvaa205. doi: 10.1210/jendso/bvaa205. eCollection 2021 Mar 1.
6. Fleseriu M, Auchus R, Bancos I, Ben-Shlomo A, Bertherat J, Biermasz NR, Boguszewski CL, Bronstein MD, Buchfelder M, Carmichael JD, Casanueva FF, Castinetti F, Chanson P, Findling J, Gadelha M, Geer EB, Giustina A, Grossman A, Gurnell M, Ho K, Ioachimescu AG, Kaiser UB, Karavitaki N, Katznelson L, Kelly DF, Lacroix A, McCormack A, Melmed S, Molitch M, Mortini P, Newell-Price J, Nieman L, Pereira AM, Petersenn S, Pivonello R, Raff H, Reincke M, **Salvatori R**, Scaroni C, Shimon I, Stratakis CA, Swearingen B, Tabarin A, Takahashi Y, Theodoropoulou M, Tsagarakis S, Valassi E, Varlamov EV, Vila G, Wass J, Webb SM, Zatelli MC, Biller BMK. Consensus on diagnosis and management of Cushing's disease: a guideline update *Lancet Diabetes Endocrinol*. 2021 Dec;9(12):847-875
7. Petersenn S, Fleseriu M, Casanueva FF, Giustina A, Biermasz N, Biller BMK, Bronstein M, Chanson P, Fukuoka H, Gadelha M, Greenman Y, Gurnell M, Ho KKY, Honegger J, Ioachimescu AG, Kaiser UB, Karavitaki N, Katznelson L, Lodish M, Maiter D, Marcus HJ, McCormack A, Molitch M, Muir CA, Neggers S, Pereira AM, Pivonello R, Post K, Raverot G, **Salvatori R**, Samson SL, Shimon I, Spencer-Segal J, Vila G, Wass J, Melmed S. Diagnosis and management of prolactin-secreting pituitary adenomas: a Pituitary Society international Consensus Statement. *Nat Rev Endocrinol*. 2023 Dec;19(12):722-740

Case Reports [CR]

1. Basaria S, and **Salvatori R**. Thyrotoxicosis due to metastatic papillary thyroid cancer in a patient with Graves' disease. *J Endocrinol Invest* 25: 639-73, 2002
2. Papi G, **Salvatori R**, Ferretti G, Roti E. Thyroid hemiagenesis and autoimmune polyglandular syndrome type III. *J Endocrinol Invest* 26:1160-1, 2003
3. Basaria S, Westra WH, Brem H, and **Salvatori R**. Metastatic renal cell carcinoma to the pituitary presenting with hyperprolactinemia. *J Endocrinol Invest* 27: 471-4, 2004

4. Basaria S, and **Salvatori R**. Pemberton's sign (Images in Clinical Medicine). N Engl J Med 2004 350:1338, 2004
5. Sidhaye S, Burger P, Rigamonti D, and **Salvatori R**. A giant somatotrophinoma without acromegalic features: more "quiet" than "silent". Neurosurgery 56:E1154, 2005
6. **Salvatori R**, Fintini D, Westra WH, Cho SY, and Schulick RD. Cushing's syndrome due to ectopic ACTH secretion in a patient with two neuroendocrine tumors. Endocr Pract, 12:656-9, 2006 : 1
7. Guaraldi F, **Salvatori R** Endocrinology and Art. Dwarf entertainers in the Roman Empire J Endocrinol Invest 34:333, 2011
8. Pendleton C, Adams H, **Salvatori R**, Wand G, and Quiñones-Hinojosa A. On the shoulders of giants: Harvey Cushing's experience with acromegaly and gigantism at the Johns Hopkins Hospital, 1896-1912. Pituitary. 53-60, 2011
9. Pendleton C, Mathioudakis N, **Salvatori R**, and Quiñones-Hinojosa A. "Glandular Intoxication" following emergent tracheotomy during transsphenoidal surgery for acromegaly: Cushing's 1910 unrecognized case of thyroid storm? Pituitary, 15:174 -8 2012
10. Lee CJ and **Salvatori R** A sellar mass. Endocr Pract. 2012 18:429
11. Xia X, Ramanathan M, Orr BA, Salmasi V, **Salvatori R**, Reh DD, Gallia GL. Expanded endonasal endoscopic approach for resection of a growth hormone-secreting pituitary macroadenoma coexistent with a cavernous carotid artery aneurysm. J Clin Neurosci. 19:1437-41, 2012
12. Thapa S, **Salvatori R**. The risk of pill cutter sharing. Am J Med 2012 125:e7.
13. Gonciulea A, Cooper DS, **Salvatori R** Lingual thyroid Endocrine. 46:355-6, 2014
14. **Salvatori R**, Dackiw A, Bishop J, Fishman EK. Bladder pheochromocytoma Endocrine, 2015 Feb;48(1):349-50.
15. **Salvatori R**, Daly A, Quinones-Hinojosa A, Thiry A, and Beckers A. A clinically novel AIP mutation in a patient with a very large, apparently sporadic somatotrope adenoma. Endocrinology, Diabetes & Metabolism Case Reports, 2014;2014:140048.
16. Rahman M, Jusue´-Torres I, Alkabbani A, **Salvatori R**, Rodriguez FJ, and Quinones-Hinojosa A. Synchronous GH- and prolactin-secreting pituitary adenoma Endocrinology, Diabetes & Metabolism Case Reports, 2014;2014:140052. doi: 10.1530/EDM-14-0052.
17. Strowd R, **Salvatori R**, and Laterra J. Temozolomide retreatment in a recurrent prolactin-secreting pituitary adenoma: Hormonal and radiographic response. J Oncol Pharm Pract. 2016 Jun;22(3):517-22
18. Chaichana K, Larman T, and **Salvatori R**. Pituitary abscess with unusual MRI appearance. Endocrine, 54(3):837-838 2016
19. Hage C, Sabini E, Alsharhan H, Fahrner JA, Beckers A, Daly A, and **Salvatori R** Acromegaly in the setting of Tatton-Brown-Rahman Syndrome. Pituitary 2019 Dec 19. doi: 10.1007/s11102-019-01019-w.
20. Pishdad R, Baraban E, Morris-Wiseman L, Chen Cardenas SM, **Salvatori R**, Hamrahan AH. Histopathologic Differences Between Adrenocorticotrophic Hormone-Dependent and Adrenocorticotrophic Hormone-Independent Adrenal Hyperplasia Causing Cushing Syndrome. AACE Clin Case Rep 2022 Oct 17;9(1):27-28
21. Bhat SZ, Hamrahan A, Wu Y, Han, M and **Salvatori R** Acute heart failure with incidentally found cystic adrenal mass. Endocrinol Diabetes Metab Case Rep. 2023 Oct 24;2023(4):23-0051
22. Moctezuma S, Perez BS, Baraban E Caturegli P, Morris-Wiseman L and **Salvatori R**. Cushing Syndrome Due to a Corticotropin-Releasing Hormone and Adrenocorticotrophic Hormone Secreting Silent Pheochromocytoma. AACE Clin Case Rep 2024 Feb 2;10(3):84-88.
23. **Salvatori R** and Gallia GL. The heart of the Pituitary JCEM Case Rep. 2024 Mar 16;2(3):luac036.

Book Chapters, Monographs [BC]

1. **Salvatori R**: "The GHRH receptor gene". In: Wiley *Encyclopedia of Molecular Medicine*. John Wiley & Sons, Inc. New York, New York vol. 2, pages 1519-1521, 2001
2. **Salvatori R** and Wand GS: "Hypothalamic/pituitary function and dysfunction". In Asbury AK et al., *Diseases of the nervous system: clinical neuroscience and therapeutic principles*. Cambridge University Press, Third Edition, pages 853-870, 2002
3. **Salvatori R** "Neuroendocrine and Adrenal Disease" In Miller R, Ashar B, Pairs K, and Sisson S editors: *The Johns Hopkins Internal Medicine Board Review Book*, ed.1, Philadelphia, Elsevier Science pages 312-322, 2004
4. **Salvatori R**. Acromegaly. In *The Endocrine Society Clinical Endocrinology Update*, 2004 Syllabus, pages 203-211, 2004
5. Averett R, and **Salvatori R** "Inpatient management of endocrinological disorders" in *The Osler Medical Handbook*, Saunders, Nisson KR and Piccini JP eds. Pages 292-301, 2006
6. Reed A, Saleh A and **Salvatori R** "Adrenal insufficiency". in *The Osler Medical Handbook*, Saunders, Nisson KR and Piccini JP eds. Pages 302-311, 2006

7. Mathioudakis N and **Salvatori R**. Medical therapy of hormone-secreting pituitary adenomas. In *Schmidek & Sweet's Operative Neurosurgical Techniques: Indications, Methods, and Results*, A Quinones-Hinojosa editor, 2012 pp 203-14
8. Sun DQ, Batra S, Jackson J, **Salvatori R**, and Rigamonti R. Radiation therapy of pituitary adenomas. In *Schmidek & Sweet's Operative Neurosurgical Techniques: Indications, Methods, and Results*, A Quinones-Hinojosa editor, 2012 pp 1181-6
9. Mohamadi A and **Salvatori R** Neuroendocrine growth disorders: dwarfism and gigantism. In *Handbook of Neuroendocrinology* Fink G, Pfaff DW, and Levine JE eds. 707-21 2011 Elsevier, 2011
10. Aguiar-Oliveira MH and **Salvatori R** Lifetime growth hormone deficiency: impact on growth In *The Handbook of Growth and Growth Monitoring in Health and Disease*, Preedy VR ed, 2012
11. Alkabbani A, **Salvatori R**, and Cooper S. TSH-secreting pituitary adenoma. In *A case-based guide to clinical endocrinology*. Terry F. Davis ed. Springer, 2015 pages 57-66
12. Prete A, **Salvatori R** Post-treatment management of Cushing's disease. In *Cushing's Disease: An Often Misdiagnosed and Not So Rare Disorder* Laws ED ed, Elsevier, 2016 pages 135-167,
13. Khan S, **Salvatori R** The Perioperative and Postoperative Care for Pituitary Patients. In *Transsphenoidal surgery-Complication Avoidance and management Techniques* Laws ED, Cohen-Gadol AA, Schwartz TH, Sheehan JP eds Springer, pages 59-69, 2017
14. Prete A, **Salvatori R** Management of Adults With Childhood-Onset GH Deficiency. In *Pediatric Endocrinology, a practical clinical guide*. 3rd edition. S. Radovick and M. Misra eds, Springer, 2021
15. ESAP 2018. Tannock LR, Boelaert K, Carranza Leon BG, Clement S, Dahir KM, Donner TW, Freel M, Hu M, Irwig MS, Jonklaas J, Magill SB, Reddy D, Salvatori R, Subramanian S, Vaidya A, Welt C. ESAP 2018: Endocrine Self-Assessment Program. Washington, DC: Endocrine Society; 2018.
16. ESAP 2019 Tannock LR, Boelaert K, Carranza Leon, BG, Chang AY, Clement S, Diab DL, Freel M, Irwig MS, Jonklaas J, Magill SB, Reddy D, **Salvatori R**, Sidhaye A, Subramanian S, Vaidya A, Weber TJ. ESAP 2019: Endocrine Self-Assessment Program. Washington, DC: Endocrine Society; 2019.
17. ESAP 2020 Tannock LR, Carranza Leon, BG, Chang AY, Clement S, Diab DL, Esfandiari NH, Grosman M, Gurnell M, Magill SB, Mayson SE, Pantalone KM, Reddy D, **Salvatori R**, Sidhaye A, Subramanian S, Vaidya A, Weber TJ. ESAP 2020: Endocrine Self-Assessment Program. Washington, DC: Endocrine Society; 2020
18. ESAP 2021 Tannock LR, Carranza Leon BG, Chang AY, Diab DL, Esfandiari NH, Grossmann M, Gurnell M, Magill SB, Mayson SE, Pantalone KM, Reddy D, **Salvatori R**, Sidhaye A, Subramanian S, Vaidya A, Weber TJ. ESAP 2021 Endocrine Self-Assessment Program. Washington, DC: Endocrine Society; 2021
19. Prete A, and **Salvatori R**. Medical therapy of hormone-secreting pituitary adenomas. In *Schmidek & Sweet's Operative Neurosurgical Techniques: Indications, Methods, and Results*, A Quinones-Hinojosa editor, pages 148-163, 2021
20. ESAP 2022 Tannock LR, Carranza Leon BG, Chang AY, Diab DL, Esfandiari NH, Grossmann M, Gurnell M, Mayson SE, Pantalone KM, Reddy D, **Salvatori R**, Shah M, Sidhaye A, Vaidya A, Weber TJ. ESAP 2022 Endocrine Self-Assessment Program. Washington, DC: Endocrine Society; 2022
21. Paragliola RM, Binart N, **Salvatori R. P.** Prolactin, In Melmed S, The Pituitary 5th Edition, Elsevier pages 131-172, 2022
22. Prete A, and **Salvatori R**. Pregnancy-associated pituitary disorders: hypophysitis. In Samson SL, Ioachimescu A. Pituitary Disorders Throughout Life Cycle. Springer, Pages 207-216, 2022
23. ESAP 2023 Tannock LR, Carranza Leon BG, Chang AY, Clines C, Diab DL, Ehrhardt NM, Grossmann M, Gurnell M, Mayson SE, Pantalone KM, Reddy D, **Salvatori R**, Shah M, Sidhaye A, Turcu A, Weber TJ. ESAP 2023 Endocrine Self-Assessment Program. Washington, DC: Endocrine Society; 2023

FUNDING

EXTRAMURAL Funding (*Show as current, pending, previous under each subcategory and follow format above.*)

ACTIVE

Glucocorticoid Receptor Antagonism in the Treatment of Cushing Syndrome (GRACE): A Phase 3 Study of the Efficacy and Safety of Relacorilant (GRACE)	6/24/2019-present	0.86 calendar
(Corcept)	\$variable depending from recruitment	

National US Pituitary Adenoma Surveillance Registry – NUSPAR
(Recordati) 7/1/2023- 6/30 2027
\$50,000/year

CLINICAL ACTIVITIES

Medical Director, the Johns Hopkins Hospital Pituitary Tumor Center (<http://www.hopkinsneuro.org/pituitary/>)
Four weekly Endocrinology Clinics (concentrating on pituitary diseases).
Endocrinology Consult Service 8 weeks/year
Attending in the Endocrinology fellows clinic 1 day/month
Janeway Medicine firm teaching attending.

Certifications

Board Certified in Internal Medicine 1996; re-certified on 10/12/2006, certificate valid through 12/31/2016
Board Certified in Endocrinology, Diabetes and Metabolism 1997; re-certified in October 2007 and in November 2017, certificate valid through 12/31/2027
Maryland Medical License #D50411
Virginia Medical license 0101277748
Federal licensing exam certification (FLEX).
ECFMG certification #0-445-809-7.

Clinical Productivity

About 3600 outpatient visits per year

Clinical Draw from outside local/regional area (*reflecting national/international reputation*)

Directs Center with national and international referrals

Clinical Program Building / Leadership

Director, Johns Hopkins Pituitary Center

EDUCATIONAL ACTIVITIES (*in chronological order, earliest first by start date under each subcategory*)

Teaching

Endocrine pathophysiology: small class teaching to 2nd year medical student 1999-2009
Lecturer in “Pituitary Pharmacology” to second year medical students 2001-2009
Lecturer in “Posterior pituitary” to second year medical students in “Genes to Society” curriculum, 2010-present
Clinical skill instructor first semester to 2nd year medical student years 2000-2002
Lecturer on “Neuroendocrine and Pituitary Disease” at the yearly “Johns Hopkins Internal Medicine Board Review Course of Internal Medicine”, years 1999-2008
Lecturer on “Side Effects of Glucocorticoids” at the Johns Hopkins Endocrinology Review for Primary Care Providers, 2000, 2002.
Lecturer on “GH deficiency in adults” at the Johns Hopkins Review Course in Endocrinology, 2004, 2006
Lecturer on “Hypopituitarism” at the Johns Hopkins Review Course in Endocrinology, 2008
Lecturer on “Adrenal Masses” and “Hypopituitarism” in the Johns Hopkins Horizons in Endocrinology and Metabolism, 2011
Lecturer on “G-protein coupled-receptors” in “Topics in Molecular Endocrinology. JHU Bloomberg School of Public Health; 2002-2014 (course director Terry Brown, PhD)

Mentoring

Post-doctoral Advisees /Mentees

-Xiaoguang Fan postdoctoral research fellow 7/99–8/01. Presently Professor, Department of Medical Immunology and Microbiology(MMI),Shanxi Medical University, China
Mauri Carakushansky, M.D. Fellow in Pediatric Endocrinology, 7/1/01-6/30/03 (Recipient of Pharmacia Fellowship). Presently Pediatric Endocrinology attending Nemours Children’s Clinic in Orlando FL.
-Maria Alba, MD Fellow in Endocrinology 7/1/02-9/30/2005 (recipient of Pfizer fellowship, and Merck Senior Fellow Award at ENDO 2004). Presently Associate Director Clinical Research-Metabolism Johnson and Johnson, New Brunswick NJ.

- Danilo Fintini, M.D. Fellow in Endocrinology 7/12/04-12/15/2005 (recipient of the Astra-Zeneca Diabetes and Metabolism Research Fellow Award ENDO 2005). Presently staff physician, Division of Endocrinology Bambino Gesù Hospital and Research Institute, Roma, Italy.
- Alessia Sagazio, MD. Research fellow in Endocrinology 9/25/2005-1/30/2008. Presently fellow in Endocrinology Università G. D'Annunzio Chieti, Italy
- Marco Martari, PhD. Research fellow in Endocrinology 8/1/2006-7/31/2009. Presently staff pharmacist Eastern Baltimore Medical Center
- Ali Mohamadi, MD 7/1/07-6/30/09. Pediatric Endocrinology Fellow. Recipient of a Lawson Wilkins Pediatric Endocrinology Society fellowship award. Presently Medical Officer, Division of Metabolism and Endocrinology Products Food and Drug Administration
- Rugia Shohreh, Graduate student at University of Chieti, Italy, January 2010-June 2011 (successfully defended her PhD thesis February 2012). Presently post-doctoral fellow Dept of Pharmacology Chieti University, Italy
- Valentina Corazzini, MD. June 2011-June 2012.
- Ratchaneewan Kwancharoen, MD. May 2012-May 2013. Presently Staff Physician Division of Endocrinology, Department of Internal Medicine, Faculty of Medicine Vajira Hospital, University of Bangkok Metropolis, Thailand
- Abdulrahman Alkabbani, MD. Pituitary Fellow July 2012-July 2013. Presently staff physician Division of Endocrinology King Faisal Specialist Hospital & Research Centre, Riyadh, Saudi Arabia
- Camille Hage, MD. 9/1/2019-2/1/2022

System Innovation and Quality Improvement Program Building/Leadership:

Founder and Medical Director of the Johns Hopkins Pituitary Center

ORGANIZATIONAL ACTIVITIES

Editorial Board appointments

- Editorial board member, *The Journal of Clinical Endocrinology and Metabolism* (January 2006-December 2009), *Endocrinology* (January 2007-December 2010), *Clinical and Translational Science* (January 2009-2015), *Advances in Therapy* (February 2009-present), *Minerva Endocrinologica* (February 2011-2015), *Endocrine* (January 2015-present), *Pituitary* (December 2015-January 2018),
- Associate Editor: *Endocrine Reviews* (June 2015-March 2018) *Translational Research* (November 2017-February 2020)
- Editor: *Pituitary* February 2020-present
- Associate Editor *Journal of The Endocrine Society* May 1st 2022-December 31, 2024
- Question writer, The Endocrine Society “Endocrine self-assessment program (ESAP)”, 2017, 2018, 2019, 2020, 2021, 2022, 2023

Journal peer review activities

Frequent reviewer for *Journal of Clinical Endocrinology and Metabolism*, *European Journal of Endocrinology*, *Journal of Endocrinological Investigation*, *Endocrine Connections*, *Pituitary*, *Endocrine*, *Endocrine Practice*, *Frontiers in Endocrinology, Medicine*, *Clinical Endocrinology (Oxf)*.

Professional Societies

Member, The *Endocrine Society*, The *Pituitary Society*.
 Member of the Board of Directors, *The Pituitary Society*, June 2011-July 2015
 Member of the Finance Committee *The Endocrine Society* 3/1/06-6/30/09
 Past President, *Maryland Endocrine Society* (2017)

Conference Organizer

JHMI:

The Johns Hopkins Endocrinology Grand Rounds 1998-2005, 2008-2010
 The yearly Johns Hopkins Glaxo Smith Klein Advance Preceptorship in Diabetes and Endocrinology 2003-2009
 The monthly Johns Hopkins Pituitary Pathology conference 2001-present
 Yearly “Johns Hopkins Pituitary day”, educational activity for Pituitary tumor patients (2009-2024)

Session Chair

83rd annual meeting of the Endocrine Society, Denver CO, June 20-23, 2001 Chair of oral session on “Endocrine Genetics”

88th annual meeting of the Endocrine Society, Boston, MA, June 24-27, 2006, Chair of oral session on “GH deficiency in adults and children”

96th Annual Meeting of the Endocrine Society and International Society of Endocrinology, Chicago IL June 20-24 2014
“Challenges in Diagnosing and Following Acromegaly”

99th Annual Meeting of the Endocrine Society’s Orlando, Florida from April 1 - April 4, 2017. “Emerging Treatments for Pituitary, Adrenal, and Neuroendocrine Disorders”

Consultantships

NovoNordisk (2009-2013, 2015, 2018-present), DuoCort (2009), Novartis (2010-2017), Ipsen (2011-2013; 2020), Aileron Therapeutics (2011-2013), Corcept (January 2013-January 2014). Pfizer (2011-2014, 2016, 2018) Ionis Pharmaceutical (2016), SteroTherapeutics (2019-2021), Corcept (2020). HRA Pharma (2021), Lundbeck (2023), Camurus (2023, 2024), Amryt (2023)

RECOGNITION

Awards, Honors

1989: Italian Ministry of Education: fellowship for research abroad (nationwide competition).

1992: American Society for Clinical Investigation and American Federation for Clinical Research: Trainee Investigator Award for Excellence in Scientific Research.

1996: Outstanding Resident in Internal Medicine Award, Montefiore Medical Center, New York.

1998: The Endocrine Society Merck Senior Fellow Award.

1999: The Endocrine Society Travel Award.

2017: W. Tabb Moore Teaching Attending Award, Division of Endocrinology Johns Hopkins University

2024: Name honorary member of the Brazilian Endocrine Society

Invited Talks

JHMI/Regional

University of Maryland Endocrinology Grand Rounds April 2001

Johns Hopkins Pediatrics Grand Rounds September 2004

University of Maryland Endocrinology Grand Rounds March 2005

Johns Hopkins Bayview Medical Center Medicine Grand Rounds May 2005

Johns Hopkins University Neurosurgical Grand Rounds in March 2001, October 2001, March 2002, July 2003, February 2005, January 2006, May 2016

Johns Hopkins Surgery Grand Rounds May 2005

Endocrinology Grand Rounds University of Maryland, November 2007

Johns Hopkins Medicine Grand Rounds April 1999, November 2003, October 2007, September 2019

Endocrinology Grand Rounds University of Maryland, Baltimore MD, November 2008

Medicine Grand Rounds Greater Baltimore Medical Center, Baltimore, MD January 2008

Medicine Grand Rounds Sinai Hospital of Baltimore, October 2009

Medicine Grand Rounds Saint Agnes Hospital, Baltimore, November 2009

Endocrinology Grand Rounds, University of Maryland, Baltimore, MD February 2014

Medicine Grand Rounds, University of Maryland Midtown Campus November 2015

Medicine Grand Rounds St. Joseph/University of Maryland Medical Center, Towson, MD October 2012, March 2014

Medicine Grand Rounds Union Memorial Hospital, Baltimore MD October 2018

Speaker Tumulty Rounds Johns Hopkins University May 2019

Speaker Contemporary Issues in Adrenal Disease Johns Hopkins University September 2019

Speaker on “Endocrine Emergencies” Maryland Chapter of ACP. January 2024

National

Vanderbilt University Endocrinology Grand Rounds February 2000.

Washington Hospital Center Endocrinology Grand Rounds March 2000

Boston Children Hospital, Harvard University, Endocrinology Lecture April 2002

Northwestern University Endocrinology Grand Rounds October 2002

New York University Endocrinology Grand Rounds October 2003

Cleveland Clinic Pituitary Rounds February 2004

Washington Hospital Center Endocrinology Grand Rounds May 2004
 Endocrine Society Clinical Endocrinology Update. Meet the professor on Acromegaly, October 2004
 NIH/NIDDK Endocrinology Grand Rounds November 2004
 Invited speaker Georgia Chapter of the AACE June 2005
 Invited speaker Rangos Children Research Center Pittsburgh, PA November 2005
 Medicine Grand Rounds Henry Ford Hospital, Detroit MI, May 2006
 Medicine Grand Rounds, Albert Einstein College of Medicine, Bronx, NY, February 2007
 Endocrinology Grand Rounds Brigham & Women Hospital, Harvard Medical School, Boston MA April 2008
 Invited Speaker, "Emory Pituitary Day", Emory University, Atlanta GA October 2008
 Invited speaker "Seattle Cushing Symposium" May 2009
 Invited speaker "Seattle Pituitary Symposium: Advances in Prolactinoma Management" May 2010
 Invited speaker on "The HPA Axis, corticosteroids, and other endocrine pearls for the rheumatologist", 6th Annual Advances in the Diagnosis and Treatment of the Rheumatic Diseases" Baltimore, MD June 2010
 Invited speaker CME ancillary Symposium at the 2010 Endocrine Society meeting in San Diego, CA on "Exploring Therapeutic Options for Acromegaly", June 2010
 Symposium speaker at the 2010 Endocrine Society Meeting, San Diego, CA on "Consequences of lifetime isolated growth hormone deficiency" June 2010
 Invited speaker on "Acromegaly, Case Discussion", 7th Annual Contemporary Issues in Pituitary Disease: Case-based Management Update, Cleveland Clinic, Cleveland OH, May 2011
 Invited speaker (meet the professor) at the 2011 Pituitary Society Meeting in Boston, MA on "Withdrawal of dopaminergic therapy" June 2011
 Invited speaker CME ancillary Symposium 2011 Endocrine Society meeting in Boston, MA on "Medical Management of Prolactinomas, Cushing's Disease and Acromegaly: A Case-Based Approach", June 2011
 Invited Speaker "Medical treatment of Prolactinomas" 2011 "UCSF's Pituitary Disorders: Advances in Diagnosis and Management", San Francisco, CA, October 2011
 Invited Speaker "Provenzano Lecture series" on "Hyperprolactinemia: diagnosis and treatment" Inova Fairfax Hospital, Fairfax VA April 2012
 Endocrinology Grand Rounds Massachusetts General Hospital, Harvard Medical School January 2013
 Invited speaker on "Cushing syndrome, an update", Mid-Atlantic Chapter of AACE, Bethesda, MD October 2013
 Endocrinology Grand Rounds, Geisel School of Medicine at Dartmouth, Hanover NH November 2013
 Medicine Grand Rounds, Washington Hospital Center (George Washington University), Washington DC, January 2014
 Meet the Professor ("Acromegaly") 2014 Endocrine Society/16th International Congress of Endocrinology Chicago IL June 2014
 Endocrinology Grand Rounds Virginia Commonwealth University, Richmond, VA October 2014
 Medicine Grand Rounds Harbor Hospital, Baltimore, MD January 2015
 Endocrine Society 2105 annual meeting. Discussant, "Master clinician session" on "Evaluation and Management of Pituitary Tumors" San Diego, CA March 2015
 Medicine Grand Rounds, Christiana Care health System, Newark, DE, April 2015
 Endocrinology Grand Rounds Washington Hospital Center, Washington D.C. June 2015
 Invited speaker: "Acromegaly: emerging therapies" in "Jefferson Pituitary Symposium: Controversies & contemporary management of pituitary disorders", Philadelphia, PA April 2016
 Invited speaker on "Hypopituitarism" Endocrine Society Clinical Endocrinology Update (CEU), September 2016 (CEU) Seattle, WA
 Invited speaker, Meet the Professor on "Postoperative management of pituitary patents" Endocrine Society Clinical Endocrinology Update (CEU), September 2016 (CEU) Seattle, WA
 Meet the Professor "Perioperative management of pituitary tumors" 2017 (Endocrine Society Meeting, Orland FL March 2017
 Endocrinology Grand Rounds Rush University Chicago IL September 2017
 Medicine Grand Rounds Rush University Chicago IL September 2017
 Invited speaker, Philadelphia Endocrine Society November 2017
 Endocrinology Grand Rounds Georgetown University, Washington DC October 2018
 Invited Speaker AACE Georgia Chapter February 2019
 Speaker, Pituitary Master Course: Essentials of Pituitary Diseases for Fellows-in-Training, New Orleans, LA March 2019
 Invited speaker AACE Michigan Chapter October 2019
 Visiting Professor, Neuroscience Institute of Allegheny Health Network Pittsburgh, PA November 2019
 Speaker, Pituitary Master Course: Essentials of Pituitary Diseases for Fellows-in-Training 2020, 2021, 2022, 2023
 Invited speaker Annual AACE National Meeting Washington DC May 2020 (remotely due to Covid epidemic)

Endocrinology Grand Rounds Brown University, Providence RI December 2020
 Endocrinology Grand Rounds Cedar Sinai Hospital, Los Angeles, CA January 2021
 Endocrinology Grand Rounds George Washington University, Washington DC, December 2022
 Endocrinology Grand Rounds Rochester University March 2023
 Medicine Grand Round University of Buffalo April 2023
 Endocrinology Grand Rounds Wayne State University Detroit MI July 2023
 Medicine Grand Rounds Staten Island Hospital, New York, NY November 2023
 Endocrinology Grand Rounds University of Vermont Burlington VT November 2023
 Endocrinology Grand Rounds University of Maryland March 2024
 Invited speaker on “Year in Pituitary” Endo 2024, Annual meeting of the Endocrine Society Boston, MA June 2024

International

Invited Speaker Brazilian Congress of Endocrinology, Aracaju, Brazil July 2005
 Invited speaker Division of Endocrinology Federal University of Paraná, Curitiba, Brazil, October 2006
 Special Seminar, Bambino Gesù' Pediatric Hospital, Rome Italy January 2008
 Invited Speaker, HypoCCS international meeting, Vienna, Austria, November 2010
 Invited Speaker, Masterclass on Acromegaly, Seoul, South Korea, October 2010
 Invited Speaker, Masterclass on Acromegaly, Bangkok, Thailand, November 2010
 Invited speaker “Genetic causes of growth hormone deficiency”. Brazilian Update in Endocrinology and metabolism/IX Congress of the “Paulista Society of Endocrinology”, San Paulo Brazil August 2011
 Invited speaker on “Molecular and clinical aspects of GHRH receptor” at the Meeting “Hormone Resistance and Hypersensitivity: From genetics to Clinical Management" Genova, Italy May 2012
 Invited speaker, Acromegaly Consensus Conferences, 2013 (Paris, France) 2015 (London, England), 2017 (Nice, France), 2018 (Prague, Czech Republic)
 Invited speaker, Saudi congress of Endocrinology, Al Khobar, Saudi Arabia April 2019
 Invited speaker, Acromegaly Consensus Conference, Palm Beach FL USA November 2019
 Invited speaker on GH deficiency Endocrine fellows course of the Pituitary Society 2020, 2021, 2022
 Invited speaker on “Hypopituitarism” The American Association of Clinical Endocrinology (AACE) China initiative Sun Yat Sen Hospital, China (on line event)
 Invited speaker on Anti-epileptics & Pituitary Function” in symposium “Drugging the Pituitary: Impact of Commonly Used Drugs on Pituitary Function” Endo2022 Atlanta GA June 2022
 Invited speaker on “Adult GHD, Diagnosis & management” and “Challenging Prolactinoma cases” at the Gulf Association of Endocrinology & Diabetes Congress. Riyadh, Saudi Arabia. November 2022
 Invited speaker 7th Gulf Comprehensive Endocrinology Review Course, Riyadh, Saudi Arabia November 2023
 Invited speaker on “Year in Pituitary” Annual meeting of the Brazilian Endocrine Society, Curitiba, Brazil October 2024 (scheduled)