Publications HYPO Novembre 2025- Avril 2026

Déficits hypophysaires

Pituitary organoids as models for congenital pituitary deficiencies. Fauquier T, Mac TT, Castinetti F, Brue T.Presse Med. 2025 Dec;54(4):104299. doi: 10.1016/j.lpm.2025.104299.

Unraveling the Genetic Heterogeneity of Isolated Growth Hormone Deficiency: Insights from the GENHYPOPIT Cohort. Aouchiche K, Romanet P, Charnay T, Barlier A, Roche C, Grunenwald S, Le Collen L, Porques Bordes V, Barat P, Castinetti F, Brue T, Reynaud R, Saveanu A.Horm Res Paediatr. 2026 Apr 29:1-12. doi: 10.1159/000551700.

Growth hormone treatment outcomes in children with genetic isolated growth hormone deficiency. Aouchiche K, Castets S, Oliver Petit I, Rothenbuler A, Bretones P, Bouhours-Nouet N, Edouard T, Brezin F, Boncompain E, Fabre-Brue C, Lebeault M, Brue T, Thomas-Teinturier C, Saveanu A, Reynaud R.Eur J Pediatr. 2025 Dec 2;184(12):812. doi: 10.1007/s00431-025-06661-0.

Long-acting growth hormone for treating growth hormone deficiency in children: a meta-analysis of randomized controlled trials focusing on changes in body mass index. Levaillant L, Bouhours-Nouet N, Emeriau F, Donzeau A, Rouleau S, Villanueva C, Perge K, Teinturier C, Castets S, Linglart A, Reynaud R, Coutant R.J Clin Endocrinol Metab. 2026 Apr 22;111(5):1495-1502. doi: 10.1210/clinem/dgag093.

Inhibin B and AMH for Diagnosis of Hypogonadotropic Hypogonadism in Boys Under 1 Year of Age: A Case-control Study. Gueguen T, Martinerie L, Castets S, Menut V, Villanueva C, Lambert AS, Perge K, Bouhours-Nouet N, Levaillant L, Avril T, Simon D, de Kerdanet M, Lahlou N, Baron S, Reynaud R, Nicolino M, Bouvattier C, Coutant R.J Clin Endocrinol Metab. 2025 Nov 18;110(12):e4119-e4128. doi: 10.1210/clinem/dgaf219.

Somapacitan in children born small for gestational age: a randomized controlled phase 3 trial. Linglart A, Böttcher V, Højby M, Soltysik K, Longui CA, Silverman L, Kashimada K.Eur J Endocrinol. 2026 Mar 4;194(3):311-325. doi: 10.1093/ejendo/lvag021.

RNF216 Variants Found in Patients With Dementia, Hypogonadotropic Hypogonadism, and Severe Ataxia Deregulate Autophagy. Young J, Abdennebi I, Le Saëc M, Magnin F, Amazit L, Kamenický P, Maione L, Bouligand J, Beau I.J Clin Endocrinol Metab. 2026 Apr 22;111(5):1278-1286. doi: 10.1210/clinem/dgaf640.

Acromégalie

Consensus on acromegaly therapeutic outcomes: an update. Melmed S, di Filippo L, Fleseriu M, Mercado M, Karavitaki N, Gurnell M, Salvatori R, Tsagarakis S, Losa M, Maffei P, Pereira AM, Geer EB, Katznelson L, van der Lely AJ, Bollerslev J, Esposito D, Webb SM, Zatelli MC, Valassi E, Neggers S, Chanson P, Ho KKY, Ioachimescu AG, Biller BMK, Samson SL, Kaiser UB, Schilbach K, Luque RM, Casanueva FF, Shimon I, Boguszewski CL, Biermasz N, Colao A, Pirchio R, Lamberts SWJ, Kadioglu P, Buchfelder M, Frara S, Chiloiro S, Petersenn S, Gadelha MR, Puig-Domingo M, Luger A, Brue T, Beckers A, Ferone D, Clemmons DR, Greenman Y, Marazuela M, Mortini P, Strasburger CJ, Giustina A.Nat Rev Endocrinol. 2025 Nov;21(11):718-737. doi: 10.1038/s41574-025-01148-2. Epub 2025 Aug 13.

Pegvisomant in managing comorbidities of acromegaly: a review. Brue T, Chanson P, Drui D, Cristante J, Espiard S, Peyrat L, Aïssani W, Raverot G.Rev Endocr Metab Disord. 2026 Feb;27(1):109-122. doi: 10.1007/s11154-025-10002-9.

Long-term safety and efficacy of pegvisomant monotherapy for acromegaly: final data from the full ACROSTUDY cohort. Yuen KCJ, Vila G, Bernabeu I, Buchfelder M, Freda P, Henocque R, Torre D, Maffei P, Strasburger CJ, Neggers S, Brue T.Pituitary. 2026 Apr 15;29(3):71. doi: 10.1007/s11102-026-01673-x.

Normative data for insulin-like growth factor-1 and insulin-like growth factor binding protein-3 and their determinants in healthy adult males from india: the INDIIGo study. Shah R, Bansal D, Rastogi P, Sachdev S, Devi N, Sharma RR, Sachdeva N, Agrawal A, Das L, Chanson P, Dutta P.Sci Rep. 2025 Nov 21;15(1):41340. doi: 10.1038/s41598-025-25235-6.

GHRH and insulin hypersecretion from a pancreatic neuroendocrine tumor in multiple endocrine neoplasia type 1. Lamback E, Bulzico DA, Lourenço DM, Vasiljevic A, Raverot G, Gadelha MR. JCEM Case Rep. 2026 Apr 16;4(4):luag002. doi: 10.1210/jcemcr/luag002.

Histological evidence of familial GH-PitNET associated with germline MAX mutation. Salle L, Buffet A, Raverot G, Cazabat L, Villa C, Charnay T, Cane M, Mas R, Bresson D, Romanet P, Salle H.Eur J Endocrinol. 2026 Feb 4;194(2):L17-L23. doi: 10.1093/ejendo/lvag006.

Impact of pituitary adenoma histological subtype on remission and disease control in acromegaly. Monnot A, Ilie MD, Sergeant C, Vasiljevic A, Zaghdoud S, Jouaneau E, Raverot G.J Clin Endocrinol Metab. 2026 Apr 21:dgag174. doi: 10.1210/clinem/dgag174.

Maladie de Cushing

Prospective Multicenter Evaluation of [^{11}C]Methionine PET/MRI Sensitivity Compared with MRI for Localizing Small Pituitary Neuroendocrine Tumor or Pituitary Adenoma in Cushing Disease. Flaus A, Levigoureux E, Haesebaert J, Briet C, Castinetti F, Cristante J, Drui D, Germain N, Maione L, Illouz F, Sonnet E, Tauveron I, Merida I, Lancelot S, Costes N, Vasiljevic A, Marchand L, Rode S, Bertholon-Gregoire M, Criton G, Lapras V, Cotton F, Jouanneau E, Bournaud C, Raverot G.J Nucl Med. 2025 Oct 1;66(10):1575-1580. doi: 10.2967/jnumed.124.269392.

[^{11}C]Methionine PET uptake kinetics in corticotroph pituitary neuroendocrine tumors. Flaus A, Pattée A, Criton G, Costes N, Levigoureux E, Haesebaert J, Vasiljevic A; IMPEC Collaborators; Jouanneau E, Cotton F, Bournaud C, Raverot G.Sci Rep. 2026 Feb 27;16(1):8854. doi: 10.1038/s41598-026-39219-7.

Adénome gonadotrope

Mast cells act as pro-angiogenic and pro-tumorigenic players in pituitary gonadotroph tumors. Ilie MD, Flores-Martínez Á, Chanal M, Lepetit M, Samson B, Lehiani A, Vasiljevic A, Chinezu L, Jouanneau E, Bernard D, Gandrillon O, Picard F, Raverot G, Bertolino P.Neuro Oncol. 2026 Jan 1;28(1):175-190. doi: 10.1093/neuonc/noaf241.

Characterization of the secretory profile of gonadotroph pituitary tumors. Carretti AL, Ilie MD, Vasiljevic A, Raverot V, Virili C, Jaffrain-Rea ML, Jouanneau E, Raverot G.J Endocrinol Invest. 2026 Feb;49(2):337-348. doi: 10.1007/s40618-025-02721-2. Epub 2025 Oct 8.

Adénome hypophysaire agressif

3D volume growth rate may open new perspectives for the classification of aggressive pituitary adenomas. Graillon T, Tabouret E, Appay R, Albarel F, Morange I, Sahakian N, Romanet P, Barlier A, Brue T, Mansourt A, Figarella-Branger D, Castinetti F, Cuny T, Dufour H.J Clin Endocrinol Metab. 2026 Apr 13:dgag145. doi: 10.1210/clinem/dgag145.

Genomic characterization of aggressiveness in pituitary neuroendocrine tumors (PitNETs). Benanteur N, Villa C, Bioletto F, Birtolo MF, De Murat D, Masliah-Planchon J, Gravrand V, Lebib I, Benkhellat M, Boezennec R, Allassonnière S, Letourneur F, Martin Y, Bonnet Serrano F, Jacob J, Calugaru V, Barat M, Dohan A, Arrondeau J, Huillard O, Raffin-Sanson ML, Emile JF, Raverot G, Libé R, Guignat L, Garcia C, Groussin L, Bertagna X, Gaillard S, Bertherat J, Jouinot A, Baussart B, Assié G.Neuro Oncol. 2026 Apr 7:noag074. doi: 10.1093/neuonc/noag074.
Aggressive and malignant pituitary tumours: does the sex matter? Carretti AL, Kaparounaki C, Raverot G.Pituitary. 2026 Mar 7;29(2):48. doi: 10.1007/s11102-026-01656-y.

Autres

Gamma knife radiosurgery vs fractionated radiotherapy : gender difference in efficacy and toxicity. Piazzola C, Graillon T, Sahakian N, Dufour H, Regis J, Brue T, Castinetti F.Pituitary. 2026 Feb 9;29(1):41. doi: 10.1007/s11102-026-01643-3.
Stem cells and organoids in endocrinology. Brue T, Wémeau JL.Presse Med. 2025 Dec;54(4):104298. doi: 10.1016/j.lpm.2025.104298. Epub 2025 Jul 9.
An update on hypophysitis. Miquel L, Testud B, Albarel F, Appay R, Graillon T, Cuny T, Dufour H, Ebbo M, Brue T, Jarrot PA, Schleinitz N, Castinetti F.Nat Rev Endocrinol. 2026 May;22(5):287-301. doi: 10.1038/s41574-025-01200-1. Epub 2025 Nov 27.
Genotype-phenotype correlation and challenges in mutation detection in McCune-Albright syndrome : A retrospective study of a French cohort. Giannetti C, Aouchiche K, Lagarde A, Barets D, Mallet S, Salenave S, Brue T, Reynaud R, Barlier A, Romanet P.Ann Endocrinol (Paris). 2026 Mar 19;87(2):102514. doi: 10.1016/j.ando.2026.102514.
Sucessful Transition in Rare Endocrine Diseases: Patient Experiences in a French Reference Centre. Aouchiche K, Brue T, Marquant E, Simonin G, Castets S, Reynaud R, Albarel F.Clin Endocrinol (Oxf). 2025 Dec;103(6):833-840. doi: 10.1111/cen.70016.
<italic>MKRN3</italic> Variants in Central Precocious Puberty as an Example of the Complexity to Classify Missense Variants in Imprinted Genes as Pathogenic. Delcour C, Harbulot C, Drira L, Wagner Malher K, Zenaty D, Gelwane G, Simon D, Amouyal M, Cartigny Maciejewski M, Bony H, Cauliez A, Donzeau A, Reynaud R, Brue Fabre C, Al-Amir Ahmad I, Léger J, Carel JC, de Roux N.Horm Res Paediatr. 2026 Apr 8:1-11. doi: 10.1159/000551859. Online ahead of print.
Genomic newborn screening as a paradigm shift in rare disease management, with emphasis on endocrine conditions. Faivre L, Level C, Coutant R, Rodien P, Barlier A, Saveanu A, Bouvattier C, Bretones P, Martinerie L, Rossignol S, Lenelle C, Roucher F, Binquet C, Pasquier L, Davoine E, Cormier C, Bournez M, Maudinas R, Gonnot M, Lefevre A, Maraval J, Safraou H, Duffourd Y, Bellanné-Chantelot C, Saint-Martin C, Bergougnoux A, Mallet D, Bouligand J, de Roux N, Coppin L, Diene G, Poitoux C, Prunier D, Dieu X, Burnichon N, Christin-Maitre S, Jaillard S, Launay E, Rabès JP, Benlian P, Di Filippo M, Marmontel O, Bernert CP, Vigouroux C, Bismuth E, Beltrand J, Polak M, Giraud S, Pigny P, Savagner F, Petit IO, Arnoux JB, Beliard S, Odou MF, Romanet P, Molin A, Apetrei A, Richard N, Pacot L, Pasmant E, Hureaux M, Vargas R, Gay-Bellile M, Aouchiche K, Carrié A, Chauvet M, Gallo A, Lemale J, Moulin P, Peretti N, Thauvin-Robinet C, Huet F, Tardy-Guidolet V.Ann Endocrinol (Paris). 2026 Mar 20;87(2):102517. doi: 10.1016/j.ando.2026.102517.

Microarchitecture of the cavernous sinus walls: Clinical implications for pituitary adenomas. Abi Farraj K, Jecko V, Chasseloup F, Roblot P, Liguoro D, Adam C, Guimiot F, Kamenicky P, Lefevre E.Tissue Cell. 2026 Apr;99:103226. doi: 10.1016/j.tice.2025.103226.

Pediatric pituitary adenomas: clinical features, treatment strategies, and management challenges. Gouttin MC, Perge K, Calender A, Doye E, de la Perrière AB, Nicolino M, Raverot G, Villanueva C.Endocrine. 2025 Dec;90(3):1412-1422. doi: 10.1007/s12020-025-04418-1.