

Publications 2012

Does pregnancy influence long-term results of bariatric surgery?

Quyên Pham T, Pigeyre M, Caiazzo R, Verkindt H, Deruelle P, **Pattou F**.
Surg Obes Relat Dis. 2015 Sep-Oct;11(5):1134-9. doi: 10.1016/j.soard.2015.03.015. Epub
2015 Mar 31.

Pheochromocytoma revealed by acute heart failure. When should we operate? Presented at the ESES Congress, Gothenburg May 25-26, 2012.

Müller G, Saint F, Hamy A, Lifante JC, Carnaille B, Sebag F, Ménégau F, Vandwalle J, Drui D, Caillard C, Rodien P, Roy M, Peix JL, **Pattou F**, Brunaud L, Henry JF, Mirallié E.
Langenbecks Arch Surg. 2013 Jun;398(5):729-33. doi: 10.1007/s00423-012-1040-7.
Epub **2012** Dec 19.

Adaptive changes of human islets to an obesogenic environment in the mouse.

Gargani S, Thévenet J, Yuan JE, Lefebvre B, Delalleau N, Gmyr V, Hubert T, Duhamel A, **Pattou F**, Kerr-Conte J.
Diabetologia. 2013 Feb;56(2):350-8. doi: 10.1007/s00125-012-2775-y. Epub **2012** Nov 29.

Human β cell transcriptome analysis uncovers lncRNAs that are tissue-specific, dynamically regulated, and abnormally expressed in type 2 diabetes.

Morán I, Akerman I, van de Bunt M, Xie R, Benazra M, Nammo T, Arnes L, Nakić N, García-Hurtado J, Rodríguez-Seguí S, Pasquali L, Sauty-Colace C, Beucher A, Scharfmann R, van Arensbergen J, Johnson PR, Berry A, Lee C, Harkins T, Gmyr V, **Pattou F**, Kerr-Conte J, Piemonti L, Berney T, Hanley N, Gloyn AL, Sussel L, Langman L, Brayman KL, Sander M, McCarthy MI, Ravassard P, Ferrer J.
Cell Metab. **2012** Oct 3;16(4):435-48. doi: 10.1016/j.cmet.2012.08.010.

Continuous glucose monitoring after islet transplantation in type 1 diabetes: an excellent graft function (β -score greater than 7) is required to abrogate hyperglycemia, whereas a minimal function is necessary to suppress severe hypoglycemia (β -score greater than 3).

Vantyghem MC, Raverdy V, Balavoine AS, Defrance F, Caiazzo R, Arnalsteen L, Gmyr V, Hazzan M, Noël C, Kerr-Conte J, **Pattou F**.
J Clin Endocrinol Metab. **2012** Nov;97(11):E2078-83. doi: 10.1210/jc.2012-2115.
Epub **2012** Sep 20.

TCF7L2 promotes beta cell regeneration in human and mouse pancreas.

Shu L, Zien K, Gutjahr G, Oberholzer J, **Pattou F**, Kerr-Conte J, Maedler K.
Diabetologia. **2012** Dec;55(12):3296-307. doi: 10.1007/s00125-012-2693-z. Epub **2012** Sep 4.

TCF7L2 rs7903146 impairs islet function and morphology in non-diabetic individuals.

Le Bacquer O, Kerr-Conte J, Gargani S, Delalleau N, Huyvaert M, Gmyr V, Froguel P, Neve B, **Pattou F**.
Diabetologia. **2012** Oct;55(10):2677-2681. doi: 10.1007/s00125-012-2660-8. Epub **2012** Aug 22.

Development of a charting method to monitor the individual performance of surgeons at the beginning of their career.

Duclos A, Carty MJ, Peix JL, Colin C, Lipsitz SR, Kraimps JL, Menegaux F, **Pattou F**, Sebag F, Voirin N, Touzet S, Bourdy S, Lifante JC; CATHY Study Group.
PLoS One. **2012**;7(7):e41944. Epub **2012** Jul 31.

Activation of intestinal peroxisome proliferator-activated receptor- α increases high-density lipoprotein production.

Colin S, Briand O, Touche V, Wouters K, Baron M, **Pattou F**, Hanf R, Tailleux A, Chinetti G, Staels B, Lestavel S.

GATA6 inactivating mutations are associated with heart defects and, inconsistently, with pancreatic agenesis and diabetes.

Bonnefond A, Sand O, Guerin B, Durand E, De Graeve F, Huyvaert M, Rachdi L, Kerr-Conte J, **Pattou F**, Vaxillaire M, Polak M, Scharfmann R, Czernichow P, Froguel P.
Diabetologia. **2012** Oct;55(10):2845-2847. doi: 10.1007/s00125-012-2645-7. Epub **2012** Jul 18. No abstract available.

Renal origin and size are independent predictors of survival after surgery for adrenal metastasis.

Zerrweck C, Caiazzo R, Clerquin B, Donatini G, Lamblin A, El Khatib Z, Arnalsteen L, Carnaille B, **Pattou F**.
Ann Surg Oncol. **2012** Oct;19(11):3621-6. doi: 10.1245/s10434-012-2464-6. Epub **2012** Jul 3.

Improvement in outcomes of clinical islet transplantation: 1999-2010.

Barton FB, Rickels MR, Alejandro R, Hering BJ, Wease S, Naziruddin B, Oberholzer J, Odorico JS, Garfinkel MR, Levy M, **Pattou F**, Berney T, Secchi A, Messinger S, Senior PA, Maffi P, Posselt A, Stock PG, Kaufman DB, Luo X, Kandeel F, Cagliero E, Turgeon NA, Witkowski P, Naji A, O'Connell PJ, Greenbaum C, Kudva YC, Brayman KL, Aull MJ, Larsen C, Kay TW, Fernandez LA, Vantyghem MC, Bellin M, Shapiro AM.
Diabetes Care. **2012** Jul;35(7):1436-45. doi: 10.2337/dc12-0063.

Tryptophan metabolism activation by indoleamine 2,3-dioxygenase in adipose tissue of obese women: an attempt to maintain immune homeostasis and vascular tone.

Wolowczuk I, Hennart B, Leloire A, Bessede A, Soichot M, Taront S, Caiazzo R, Raverdy V, Pigeyre M; ABOS Consortium, Guillemin GJ, Allorge D, **Pattou F**, Froguel P, Poulain-Godefroy O.
Am J Physiol Regul Integr Comp Physiol. **2012** Jul 15;303(2):R135-43. doi: 10.1152/ajpregu.00373.2011. Epub **2012** May 16.

Genome-wide association for abdominal subcutaneous and visceral adipose reveals a novel locus for visceral fat in women.

Fox CS, Liu Y, White CC, Feitosa M, Smith AV, Heard-Costa N, Lohman K; GIANT Consortium; MAGIC Consortium; GLGC Consortium, Johnson AD, Foster MC, Greenawalt DM, Griffin P, Ding J, Newman AB, Tylavsky F, Miljkovic I, Kritchevsky SB, Launer L, Garcia M, Eiriksdottir G, Carr JJ, Gudnason V, Harris TB, Cupples LA, Borecki IB.
PLoS Genet. **2012**;8(5):e1002695. doi: 10.1371/journal.pgen.1002695. Epub **2012** May 10.

Regulation and functional effects of ZNT8 in human pancreatic islets.

Lefebvre B, Vandewalle B, Balavoine AS, Queniat G, Moerman E, Vantyghem MC, Le Bacquer O, Gmyr V, Pawlowski V, Kerr-Conte J, **Pattou F**.
J Endocrinol. **2012** Aug;214(2):225-32. doi: 10.1530/JOE-12-0071. Epub **2012** May 11.

Laparoscopic spleen-preserving distal pancreatectomy followed by intramuscular autologous islet transplantation for traumatic pancreatic transection in a young adult.

Dardenne S, Sterkers A, Leroy C, Da Mata L, Zerbib P, Pruvot FR, **Pattou F**, Truant S.
JOP. **2012** May 10;13(3):285-8.

Human adipose tissue macrophages display activation of cancer-related pathways.

Mayi TH, Daoudi M, Derudas B, Gross B, Bories G, Wouters K, Brozek J, Caiazzo R, Raverdi V, Pigeyre M, Allavena P, Mantovani A, **Pattou F**, Staels B, Chinetti-Gbaguidi G.
J Biol Chem. **2012** Jun 22;287(26):21904-13. doi: 10.1074/jbc.M111.315200. Epub **2012** Apr 17.

Novel loci for adiponectin levels and their influence on type 2 diabetes and metabolic traits: a multi-ethnic meta-analysis of 45,891 individuals.

Dastani Z, Hivert MF, Timpson N, Perry JR, Yuan X, Scott RA, Henneman P, Heid IM, Kizer JR, Lyytikäinen LP, Fuchsberger C, Tanaka T, Morris AP, Small K, Isaacs A, Beekman M, Coassin S, Lohman K, Qi L, Kanoni S, Pankow JS, Uh HW, Wu Y, Bidulescu A, Rasmussen-Torvik LJ, Greenwood CM, Ladouceur M, Grimsby J, Manning AK, Liu CT, Kooner J, Mooser VE, Vollenweider P, Kapur KA, Chambers J, Wareham NJ, Langenberg C, Frants R, Willems-Vandijk K, Oostra BA, Willems SM, Lamina C, Winkler TW, Psaty BM, Tracy RP, Brody J, Chen I, Viikari J, Kähönen M, Pramstaller PP, Evans DM, St Pourcain B, Sattar N, Wood AR, Bandinelli S, Carlson OD, Egan JM, Böhringer S, van Heemst D, Kedenko L, Kristiansson K, Nuotio ML, Loo BM, Harris T, Garcia M, Kanaya A, Haun M, Klopp N, Wichmann HE, Deloukas P, Katsareli E, Couper DJ, Duncan BB, Kloppenburg M, Adair LS, Borja JB; DIAGRAM+ Consortium; MAGIC Consortium; GLGC Investigators; MuTHER Consortium, Wilson JG, Musani S, Guo X, Johnson T, Semple R, Teslovich TM, Allison MA, Redline S, Buxbaum SG, Mohlke KL, Meulenbelt I, Ballantyne CM, Dedoussis GV, Hu FB, Liu Y, Paulweber B, Spector TD, Slagboom PE, Ferrucci L, Jula A, Perola M, Raitakari O, Florez JC, Salomaa V, Eriksson JG, Frayling TM, Hicks AA, Lehtimäki T, Smith GD, Siscovick DS, Kronenberg F, van Duijn C, Loos RJ, Waterworth DM, Meigs JB, Dupuis J, Richards JB, Voight BF, Scott LJ, Steinthorsdottir V, Dina C, Welch RP, Zeggini E, Huth C, Aulchenko YS, Thorleifsson G, McCulloch LJ, Ferreira T, Grallert H, Amin N, Wu G, Willer CJ, Raychaudhuri S, McCarroll SA, Hofmann OM, Segrè AV, van Hoek M, Navarro P, Ardlie K, Balkau B, Benediktsson R, Bennett AJ, Blagieva R, Boerwinkle E, Bonnycastle LL, Boström KB, Bravenboer B, Bumpstead S, Burt NP, Charpentier G, Chines PS, Cornelis M, Crawford G, Doney AS, Elliott KS, Elliott AL, Erdos MR, Fox CS, Franklin CS, Ganster M, Gieger C, Grarup N, Green T, Griffin S, Groves CJ, Guiducci C, Hadjadj S, Hassanali N, Herder C, Isomaa B, Jackson AU, Johnson PR, Jørgensen T, Kao WH, Kong A, Kraft P, Kuusisto J, Lauritzen T, Li M, Lieveer A, Lindgren CM, Lyssenko V, Marre M, Meitinger T, Midtjell K, Morken MA, Narisu N, Nilsson P, Owen KR, Payne F, Petersen AK, Platou C, Proença C, Prokopenko I, Rathmann W, Rayner NW, Robertson NR, Rocheleau G, Roden M, Sampson MJ, Saxena R, Shields BM, Shrader P, Sigurdsson G, Sparsø T, Strassburger K, Stringham HM, Sun Q, Swift AJ, Thorand B, Tichet J, Tuomi T, van Dam RM, van Haeften TW, van Herpt T, van Vliet-Ostaptchouk JV, Walters GB, Weedon MN, Wijmenga C, Witteman J, Bergman RN, Cauchi S, Collins FS, Gloyn AL, Gyllenstein U, Hansen T, Hide WA, Hitman GA, Hofman A, Hunter DJ, Hveem K, Laakso M, Morris AD, Palmer CN, Rudan I, Sijbrands E, Stein LD, Tuomilehto J, Uitterlinden A, Walker M, Watanabe RM, Abecasis GR, Boehm BO, Campbell H, Daly MJ, Hattersley AT, Pedersen O, Barroso I, Groop L, Sladek R, Thorsteinsdottir U, Wilson JF, Illig T, Froguel P, van Duijn CM, Stefansson K, Altshuler D, Boehnke M, McCarthy MI, Soranzo N, Wheeler E, Glazer NL,

Bouatia-Naji N, Mägi R, Randall J, Elliott P, Rybin D, Dehghan A, Hottenga JJ, Song K, Goel A, Lajunen T, Doney A, Cavalcanti-Proença C, Kumari M, Timpson NJ, Zabena C, Ingelsson E, An P, O'Connell J, Luan J, Elliott A, McCarroll SA, Roccasecca RM, **Pattou F**, Sethupathy P, Ariyurek Y, Barter P, Beilby JP, Ben-Shlomo Y, Bergmann S, Bochud M, Bonnefond A, Borch-Johnsen K, Böttcher Y, Brunner E, Bumpstead SJ, Chen YD, Chines P, Clarke R, Coin LJ, Cooper MN, Crisponi L, Day IN, de Geus EJ, Delplanque J, Fedson AC, Fischer-Rosinsky A, Forouhi NG, Franzosi MG, Galan P, Goodarzi MO, Graessler J, Grundy S, Gwilliam R, Hallmans G, Hammond N, Han X, Hartikainen AL, Hayward C, Heath SC, Hercberg S, Hillman DR, Hingorani AD, Hui J, Hung J, Kaakinen M, Kaprio J, Kesaniemi YA, Kivimäki M, Knight B, Kosken S, Kovacs P, Kyvik KO, Lathrop GM, Lawlor DA, Le Bacquer O, Lecoœur C, Li Y, Mahley R, Mangino M, Martínez-Larrad MT, McAteer JB, McPherson R, Meisinger C, Melzer D, Meyre D, Mitchell BD, Mukherjee S, Naitza S, Neville MJ, Orrù M, Pakyz R, Paolisso G, Pattaro C, Pearson D, Peden JF, Pedersen NL, Pfeiffer AF, Pichler I, Polasek O, Posthuma D, Potter SC, Pouta A, Province MA, Rayner NW, Rice K, Ripatti S, Rivadeneira F, Rolandsson O, Sandbaek A, Sandhu M, Sanna S, Sayer AA, Scheet P, Seedorf U, Sharp SJ, Shields B, Sigurðsson G, Sijbrands EJ, Silveira A, Simpson L, Singleton A, Smith NL, Sovio U, Swift A, Syddall H, Syvänen AC, Tönjes A, Uitterlinden AG, van Dijk KW, Varma D, Visvikis-Siest S, Vitart V, Vogelzangs N, Waeber G, Wagner PJ, Walley A, Ward KL, Watkins H, Wild SH, Willemssen G, Witteman JC, Yarnell JW, Zelenika D, Zethelius B, Zhai G, Zhao JH, Zillikens MC; DIAGRAM Consortium; GIANT Consortium; Global B Pgen Consortium, Borecki IB, Meneton P, Magnusson PK, Nathan DM, Williams GH, Silander K, Bornstein SR, Schwarz P, Spranger J, Karpe F, Shuldiner AR, Cooper C, Serrano-Ríos M, Lind L, Palmer LJ, Hu FB 1st, Franks PW, Ebrahim S, Marmot M, Kao WH, Pramstaller PP, Wright AF, Stumvoll M, Hamsten A; Procardis Consortium, Buchanan TA, Valle TT, Rotter JI, Penninx BW, Boomsma DI, Cao A, Scuteri A, Schlessinger D, Uda M, Ruokonen A, Jarvelin MR, Peltonen L, Mooser V, Sladek R; MAGIC investigators; GLGC Consortium, Musunuru K, Smith AV, Edmondson AC, Stylianou IM, Koseki M, Pirruccello JP, Chasman DI, Johansen CT, Fouchier SW, Peloso GM, Barbalic M, Ricketts SL, Bis JC, Feitosa MF, Orho-Melander M, Melander O, Li X, Li M, Cho YS, Go MJ, Kim YJ, Lee JY, Park T, Kim K, Sim X, Ong RT, Croteau-Chonka DC, Lange LA, Smith JD, Ziegler A, Zhang W, Zee RY, Whitfield JB, Thompson JR, Surakka I, Spector TD, Smit JH, Sinisalo J, Scott J, Saharinen J, Sabatti C, Rose LM, Roberts R, Rieder M, Parker AN, Pare G, O'Donnell CJ, Nieminen MS, Nickerson DA, Montgomery GW, McArdle W, Masson D, Martin NG, Marroni F, Lucas G, Luben R, Lokki ML, Lettre G, Launer LJ, Lakatta EG, Laaksonen R, Kyvik KO, König IR, Khaw KT, Kaplan LM, Johansson Å, Janssens AC, Igl W, Hovingh GK, Hengstenberg C, Havulinna AS, Hastie ND, Harris TB, Haritunians T, Hall AS, Groop LC, Gonzalez E, Freimer NB, Erdmann J, Ejebe KG, Döring A, Dominiczak AF, Demissie S, Deloukas P, de Faire U, Crawford G, Chen YD, Caulfield MJ, Boekholdt SM, Assimes TL, Quertermous T, Seielstad M, Wong TY, Tai ES, Feranil AB, Kuzawa CW, Taylor HA Jr, Gabriel SB, Holm H, Gudnason V, Krauss RM, Ordovas JM, Munroe PB, Kooner JS, Tall AR, Hegele RA, Kastelein JJ, Schadt EE, Strachan DP, Reilly MP, Samani NJ, Schunkert H, Cupples LA, Sandhu MS, Ridker PM, Rader DJ, Kathiresan S.

PLoS Genet. **2012**;8(3):e1002607. doi: 10.1371/journal.pgen.1002607. Epub **2012** Mar 29.

[Performance of biomarkers FibroTest, ActiTest, SteatoTest, and NashTest in patients with severe obesity: meta analysis of individual patient data.](#)

Poynard T, Lassailly G, Diaz E, Clement K, Cañazzo R, Tordjman J, Munteanu M, Perazzo H, Demol B, Callaie R, **Pattou F**, Charlotte F, Bedossa P, Mathurin P, Ratzu V; FLIP consortium. PLoS One. **2012**;7(3):e30325. doi: 10.1371/journal.pone.0030325. Epub **2012** Mar 14.

Preoperative weight loss with intragastric balloon decreases the risk of significant adverse outcomes of laparoscopic gastric bypass in super-super obese patients.

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Dysfunction of lipid sensor GPR120 leads to obesity in both mouse and human.

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Nature. **2012** Feb 19;483(7389):350-4. doi: 10.1038/nature10798.

Transient receptor potential melastatin-related 7 channel is overexpressed in human pancreatic ductal adenocarcinomas and regulates human pancreatic cancer cell migration.

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Int J Cancer. **2012** Sep 15;131(6):E851-61. doi: 10.1002/ijc.27487. Epub **2012** Apr 17.

The nuclear orphan receptor Nur77 is a lipotoxicity sensor regulating glucose-induced insulin secretion in pancreatic β -cells.

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Mol Endocrinol. **2012** Mar;26(3):399-413. doi: 10.1210/me.2011-1317. Epub **2012** Feb 2.

A genome-wide association search for type 2 diabetes genes in African Americans.

Palmer ND, McDonough CW, Hicks PJ, Roh BH, Wing MR, An SS, Hester JM, Cooke JN, Bostrom MA, Rudock ME, Talbert ME, Lewis JP; DIAGRAM Consortium; MAGIC Investigators, Ferrara A, Lu L, Ziegler JT, Sale MM, Divers J, Shriner D, Adeyemo A, Rotimi CN, Ng MC, Langefeld CD, Freedman BI, Bowden DW, Voight BF, Scott LJ, Steinthorsdottir V, Morris AP, Dina C, Welch RP, Zeggini E, Huth C, Aulchenko YS, Thorleifsson G, McCulloch LJ, Ferreira T, Grallert H, Amin N, Wu G, Willer CJ, Raychaudhuri S, McCarroll SA, Langenberg C, Hofmann OM, Dupuis J, Qi L, Segrè AV, van Hoek M, Navarro P, Ardlie K, Balkau B, Benediktsson R, Bennett AJ, Blagieva R, Boerwinkle E, Bonnycastle LL, Boström KB, Bravenboer B, Bumpstead S, Burtt NP, Charpentier G, Chines PS, Cornelis M, Couper DJ, Crawford G, Doney AS, Elliott KS, Elliott AL, Erdos MR, Fox CS, Franklin CS, Ganster M, Gieger C, Grarup N, Green T, Griffin S, Groves CJ, Guiducci C, Hadjadj S, Hassanali N, Herder C, Isomaa B, Jackson AU, Johnson PR, Jørgensen T, Kao WH, Klopp N, Kong A, Kraft P, Kuusisto J, Lauritzen T, Li M, Lieveve A, Lindgren CM, Lyssenko V, Marre M, Meitinger T, Midthjell K, Morken MA, Narisu N, Nilsson P, Owen KR, Payne F, Perry JR, Petersen AK, Platou C, Proença C, Prokopenko I, Rathmann W, Rayner NW, Robertson NR, Rocheleau G, Roden M, Sampson MJ, Saxena R, Shields BM, Shrader P, Sigurdsson G, Sparsø T, Strassburger K, Stringham HM, Sun Q, Swift AJ, Thorand B, Tichet J, Tuomi T, van Dam RM, van Haeften TW, van Herpt T, van Vliet-Ostaptchouk JV, Walters GB, Weedon MN, Wijmenga C, Witteman J, Bergman RN, Cauchi S, Collins FS, Gloyn AL, Gyllenstein U, Hansen T, Hide WA, Hitman GA, Hofman A, Hunter DJ, Hveem K, Laakso M, Mohlke KL, Morris AD, Palmer CN, Pramstaller PP, Rudan I, Sijbrands E, Stein LD, Tuomilehto J, Uitterlinden A, Walker M, Wareham NJ, Watanabe RM, Abecasis GR, Boehm BO, Campbell H, Daly MJ, Hattersley AT, Hu FB, Meigs JB, Pankow JS, Pedersen O, Wichmann HE, Barroso I, Florez JC, Frayling TM, Groop L, Sladek R, Thorsteinsdottir U, Wilson JF, Illig T, Froguel P, van Duijn CM, Stefansson K, Altshuler D, Boehnke M, McCarthy MI, Soranzo N, Wheeler E, Glazer NL, Bouatia-Naji N,

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PLoS One. **2012**;7(1):e29202. doi: 10.1371/journal.pone.0029202. Epub **2012** Jan 4.

[Influence of experience on performance of individual surgeons in thyroid surgery: prospective cross sectional multicentre study.](#)

Duclos A, Peix JL, Colin C, Kraimps JL, Menegaux F, **Pattou F**, Sebag F, Touzet S, Bourdy S, Voirin N, Lifante JC; CATHY Study Group.
BMJ. **2012** Jan 10;344:d8041. doi: 10.1136/bmj.d8041.

[Low-frequency variants in HMG1A1 are not associated with type 2 diabetes risk.](#)

Marquez M, Huyvaert M, Perry JR, Pearson RD, Falchi M, Morris AP, Vivequin S, Lobbens S, Yengo L, Gaget S, **Pattou F**, Poulain-Godefroy O, Charpentier G, Carlsson LM, Jacobson P, Sjöström L, Lantieri O, Heude B, Walley A, Balkau B, Marre M, Froguel P, Cauchi S; DIAGRAM Consortium.
Diabetes. **2012** Feb;61(2):524-30. doi: 10.2337/db11-0728. Epub 2011 Dec 30.

[Heterozygous mutations causing partial prohormone convertase 1 deficiency contribute to human obesity.](#)

Creemers JW, Choquet H, Stijnen P, Vatin V, Pigeyre M, Beckers S, Meulemans S, Than ME, Yengo L, Tauber M, Balkau B, Elliott P, Jarvelin MR, Van Hul W, Van Gaal L, Horber F, **Pattou F**, Froguel P, Meyre D.
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