

## 20 articles marquants des équipes de la FHU PREMA en 2020

1. **Bourdon M, Ouazana M, Maignien C, Pocate-Cheriet K, Patrat C, Marcellin L, Chapron C, Santulli P.** Impact of supraphysiological estradiol serum levels on birth weight in singletons born after fresh embryo transfer. *Reprod Sci.* 2020 Sep;27(9):1770-1777. doi: 10.1007/s43032-020-00174-x. Epub 2020 Feb 18. PMID: 32072604.
2. **Carriere D, Kantor E, Torchin H, Le Ray C, Jarreau PH, Zana-Taieb E.** Mortality and morbidity of preterm neonates weighing less than 750g: a 2-year retrospective cohort study. *Arch Pediatr.* 2020 May;27(4):227-232. doi: 10.1016/j.arcped.2020.02.003. Epub 2020 Apr 8. PMID: 32278588.
3. **Degrelle SA, Chissey A, Stepanian A, Fournier T, Guibourdenche J, Mandelbrot L, Tsatsaris V.** Placental overexpression of soluble corin in preeclampsia. *Am J Pathol.* 2020 Feb 18. Pii:S0002-9440(20)30079-1. Doi: 10.1016/j.ajpath.2019.12.012
4. **Ducat A, Couderc B, Bouter A, Biquard L, Aouache R, Passet B, Doridot L, Cohen MB, Ribaux P, Apicella C, Gaillard I, Palfray S, Chen Y, Vargas A, Julé A, Frelin L, Cocquet J, San Martin CR, Jacques S, Busato F, Tost J, Méhats C, Laissue P, Vilotte JL, Miralles F, Vaiman D.** Molecular mechanisms of trophoblast dysfunction mediated by imbalance between stox1 isoforms. *iScience.* 2020 May 22;23(5):101086. doi: 10.1016/j.isci.2020.101086. Epub 2020 Apr 21. PMID: 32371375; PMCID: PMC7200942.
5. **Egloff C, Vauloup-Fellous C, Picone O, Mandelbrot L, Roques P.** Evidence and possible mechanisms of rare maternal-fetal transmission of SARS-CoV-2. *J Clin Virol.* 2020 May 18;128:104447. Doi: 10.1016/j.jcv.2020.104447.
6. **Fakhouri F, Scully M, Provôt F, Blasco M, Coppo P, Noris M, Paizis K, Kavanagh D, Pène F, Quezada S, Hertig A, Kissling S, O'Brien P, Delmas Y, Alberio L, Winer N, Veyradier A, Cataland S, Frémeaux-Bacchi V, Loirat C, Remuzzi G, Tsatsaris V.** Management of thrombotic microangiopathy in pregnancy and postpartum: report from an international working group. *Blood.* 2020 Nov 5;136(19):2103-2117. doi: 10.1182/blood.2020005221. PMID: 32808006
7. **Kayem G, Lecarpentier E, Deruelle P, Bretelle F, Azria E, Blanc J, Bohec C, Bornes M, Ceccaldi PF, Chalet Y, Chaleur C, Cordier AG, Desbrière R, Doret M, Dreyfus M, Driessen M, Fermaut M, Gallot D, Garabédian C, Huissoud C, Luton D, Morel O, Perrotin F, Picone O, Rozenberg P, Sentilhes L, Sroussi J, Vayssière C, Verspyck E, Vivanti AJ, Winer N, Alessandrini V, Schmitz T.** A snapshot of the COVID-19 pandemic among pregnant women in France. *J Gynecol Obstet Hum Reprod* (2020), <https://doi.org/10.1016/j.jogoh.2020.101826>.
8. **Korb D, Deneux-Tharaux C, Goffinet F, Schmitz T.** Severe maternal morbidity by mode of delivery in women with twin pregnancy and planned vaginal delivery. *Sci Rep.* 2020 Mar 18;10(1):4944. Doi: 10.1038/s41598-020-61720-w. PMID: 32188879; PMCID: PMC7080743.
9. **Korb D, Schmitz T, Seco A, Le Ray C, Santulli P, Goffinet F, Deneux-Tharaux C.** Increased risk of severe maternal morbidity in women with twin pregnancies resulting from oocyte donation. *Hum Reprod.* 2020 Aug 1;35(8):1922-1932. Doi: 10.1093/humrep/deaa108. PMID: 32644142.
10. **Lorthe E, Moreira C, Weber T, Huusom LD, Schmidt S, Maier RF, Jarreau PH, Cuttini M, Draper ES, Zeitlin J, Barros H; EPICE research group.** Unit policies regarding tocolysis after preterm premature rupture of membranes: association with latency, neonatal and 2-year outcomes (EPICE Cohort). *Sci Rep.* 2020 Jun 12;10(1):9535. Doi: 10.1038/s41598-020-65201-y. PMID: 32533019; PMCID: PMC7293322. F
11. **Loubet P, Tsatsaris V, Launay O.** Influenza immunisation in pregnancy is efficacious and safe, but questions remain. *Lancet Respir Med.* 2020 Jun;8(6):533-534. doi: 10.1016/S2213-2600(20)30034-5. PMID: 32526185.
12. **Maisonneuve E, Lorthe E, Torchin H, Delorme P, Devisme L, L'Hélias LF, Marret S, Subtil D, Bodeau-Livinec F, Pierrat V, Sentilhes L, Goffinet F, Ancel PY, Kayem G; EPIPAGE-2 Obstetric writing group.** Association of chorioamnionitis with cerebral palsy at two years after spontaneous very preterm birth: the EPIPAGE-2 cohort study. *J Pediatr.* 2020 Jul;222:71-78.e6. Doi: 10.1016/j.jpeds.2020.03.021. PMID: 32586536.

13. Nuytten A, Behal H, Duhamel A, **Jarreau PH, Torchin H**, Milligan D, Maier RF, Zemlin M, **Zeitlin J**, Truffert P; on behalf of the EPICE Research Group. Postnatal corticosteroids policy for very preterm infants and bronchopulmonary dysplasia. *Neonatology*. 2020;117(3):308-315. Doi: 10.1159/000507195. Epub 2020 May 26. PMID: 32454484.
14. Rozé JC, **Ancel PY, Marchand-Martin L, Rousseau C**, Montassier E, Monot C, Le Roux K, Butin M, Resche-Rigon M, **Aires J**, Neu J, Lepage P, **Butel MJ**; EPIFLORE Study Group. Assessment of neonatal intensive care unit practices and preterm newborn gut microbiota and 2-year neurodevelopmental outcomes. *JAMA Netw Open*. 2020 Sep 1;3(9):e2018119. Doi: 10.1001/jamanetworkopen.2020.18119.
15. **Sentenac M**, Boutron I, Draper ES, Kajantie E, Maier RF, Wolke D, **Zeitlin J**. Defining very preterm populations for systematic reviews with meta-analyses. *JAMA Pediatr*. 2020;174(10):997-999. Doi:10.1001/jamapediatrics.2020.0956
16. **Shoaito H, Chauveau S**, Gosseume C, Bourguet W, Vigouroux C, Vatier C, Pienkowski C, **Fournier T, Degrelle SA**. Peroxisome proliferator-activated receptor gamma-ligand-binding domain mutations associated with familial partial lipodystrophy type 3 disrupt human trophoblast fusion and fibroblast migration. *J Cell Mol Med Actions*. 2020 Jun 9;24(13):7660-7669. Doi: 10.1111/jcmm.15401. Online ahead of print.
17. **Siddiqui A, Deneux-Tharaux C, Luton D, Schmitz T, Mandelbrot L**, Estellat C, Howell EA, **Khoshnood B**, Bertille N & **Azria E**. Maternal obesity and severe preeclampsia among immigrant women: a mediation analysis. *Scientific Reports (2020)*, 10:5215. <https://doi.org/10.1038/s41598-020-62032-9>
18. **Tsatsaris V**, Mariaggi AA, **Launay O**, Couffignal C, Rousseau J, **Ancel PY**, Marcault E, Ville Y, **Cordier AG**, Vivanti A, Carrara J, **Luton D**, Dommergues M, Borie C, **Kayem G, Alessandrini V, Lecomte L**, Meritet JF, Leruez-Ville M, **Goffinet F**, Dubois C, **Picone O**, Vauloup Fellous C. Sars-cov-2 igg antibody response in pregnant women at delivery. *J Gynecol Obstet Hum Reprod*. 2020 Dec 10;50(7):102041
19. **Vaiman D**. Placental methylome under pressure. *Hypertension*. 2020 Apr;75(4):938-940. doi: 10.1161/HYPERTENSIONAHA.120.14597. Epub 2020 Feb 10. PMID: 32078410.
20. **Weckel A**, Guilbert T, Lambert C, **Plainvert C, Goffinet F, Poyart C, Méhats C, Fouet A**. *Streptococcus pyogenes* infects human endometrium by limiting the innate immune response. *J Clin Invest*. In press doi: 10.1172/JCI130746