



Pr Blandine COURBIERE, MD, PHD

Date of birth: October 10, 1975

- Pôle Femmes-Parents-Enfants, Hôpital de La Conception, University Teaching Hospital Marseille, France.
- Equipe Biogénotoxicologie, Santé Humaine & Environnement, Institut Méditerranéen de Biodiversité et d'Ecologie – IMBE (UMR 7263 – FR CNRS 3098), Aix-Marseille Université, France.

blandine.courbiere@univ-amu.fr / blandine.courbiere@imbe.fr

A. Expertise: Reproductive Medicine and Assisted Reproductive Technologies, preservation on female fertility, reprotoxic assay of the impact of environmental factors and cancer treatments on uterus, ovaries and female germ cells

B. Education

- Professor of Medicine, specialized in Gynecology-Obstetric and Reproduction, Aix Marseille Université, France
- PhD in Gynecology and Obstetrics, Université Claude Bernard Lyon, France

C. Responsibilities: Responsibilities of the clinical unit of Assisted Reproduction Technologies, University Teaching Hospital de La Conception, Marseille, France.

D. Teaching: in Master Degrees in Medicine University, Supervision of M.Sc. and PhD students

E. Research: 81 indexed publications, h-index: 13

→ Selection of international papers published in the last five years in the field of the fertility

1. Rolland L, Perrin J, Villes V, Pellegrin V, Boubli L, **Courbiere B**. IVF oocyte retrieval: prospective evaluation of the type of anesthesia on live birth rate, pain, and patient satisfaction. J Assist Reprod Genet. 2017, in press.
2. Rolland L, **Courbiere B**, Tassistro V, Sansoni A, Orsiere T, Liu W, Di Giorgio C, Perrin J. Comet assay on thawed embryos: an optimized technique to evaluate DNA damage in mouse embryos. Toxicol in vitro 2017; 44:266-272.
3. Ohannessian A, Loundou A, Gnisci A, Paulmyer-Lacroix O, Perrin J, **Courbiere B**. Unexplained infertility: live-birth's prognostic factors to determine the ART management. Minerva Ginecol 2017, in press.
4. Elkhatab RA, Paci M, Longepied G, Saias-Magnan J, **Courbiere B**, Guichaoua MR, Levy N, Metzler-Guillemain C, Mitchell MJ. Homozygous deletion of SUN5 in three men with decapitated spermatozoa. Hum Mol Genet 2017; 26:3167-3171.
5. Roux P, Perrin J, Mancini J, Agostini A, Boubli L, **Courbiere B**. Factors associated with a poor prognosis for the IVF-ICSI live birth rate in women with rAFS stage III and IV endometriosis. J Assist Reprod Genet. 2017; 34:921-928.
6. Albarel F, Perrin J, Jegaden M, Roucher-Boulez F, Reynaud R, Brue T, **Courbiere B**. Successful IVF pregnancy despite inadequate ovarian steroidogenesis due to congenital lipoid adrenal hyperplasia (CLAH): a case report. Hum Reprod. 2016, 31:2609-2612.
7. Ben Charif A, Bouhnik AD, **Courbiere B**, Rey D, Préau M, Bendiane MK, Peretti-Watel P, Mancini J. Patient Discussion About Sexual Health With Health Care Providers After Cancer-A National Survey. J Sex Med. 2016; 13:1686-1694.
8. Chabert MC, Perrin J, Berbis J, Bretelle F, Adnot S, **Courbiere B**. Lack of information received by a French female cohort regarding prevention against exposure to reprotoxic agents during pregnancy. Eur J Obstet Gynecol Reprod Biol 2016; 205:15-20.
9. Preaubert L, Pibarot M, **Courbiere B**. Can we improve referrals for fertility preservation? Evolution of practices after the creation of a fertility network. Future Oncol. 2016, 12: 2175-7.
10. Christiaens A, Sari-Minodier I, Tardieu S, Ianos O, Adnot S, **Courbiere B**, Perrin J. A pilot study about infertile men's awareness of their reprotoxic exposures and the intervention of occupational medicine to assess them. Basic Clin Androl. 2016 10; 26:9.
11. Perrin J, Saias-Magnan J, Broussais F, d'Ercole C, Bouabdallah R, **Courbiere B**. First French live-birth after oocyte vitrification performed before chemotherapy for fertility preservation, J Assist Reprod Genet 2016; 33:663-6.

12. Ohannessian A, Crochet P, **Courbiere B**, Gnisci A, Agostini A. Methotrexate treatment for ectopic pregnancy after assisted reproductive technology: A case-control study. *Gynecol Obstet Fertil*. 2016; 44:341-344.
13. Ben Charif A, Bouhnik AD, **Courbiere B**, Rey D, Préau M, Bendiane MK, Peretti-Wattel P, Mancini J. Sexual health problems in French cancer survivors two years after diagnosis- the national VICAN survey. *J cancer survivorship* 2016;10:600-9.
14. **Courbiere B**, Crochet P, Marcelli M, Saias-Magnan J, Grillo JM, Agostini A. Laparoscopic ovariectomy by single-port access for ovarian cryopreservation. *Arch Gynecol Obstet* 2016; 293: 591- 4.
15. Ben Charif A, Bouhnik AD, Rey D, Provansal M, **Courbiere B**, Spire B, Mancini J. Satisfaction with fertility and sexuality-related information in young women with breast cancer – ELLIPSE40 cohort. *BMC Cancer* 2015; 15:572.
16. Préaubert L, **Courbiere B**, Achard V, Tassistro V, Greco F, Orsiere T, Bottero JY, Rose J, Auffan M, Perrin J. Cerium dioxide nanoparticles affect in vitro fertilization in mice, *Nanotoxicology* 2015 ; 22 :1-7.
17. Philippon M, Karsenty G, Bernuz B, **Courbiere B**, Brue T, Saias-Magnan J, Perrin J. Successful pregnancies and healthy live births using frozen-thawed sperm retrieved by a new modified Hotchkiss procedure in males with retrograde ejaculation: first case series. *Basic Clin Androl*. 2015 ; 25:5.
18. Roustan A, Perrin J, Debals-Gonthier M, Paulmyer-Lacroix O, Agostini A, **Courbiere B**. Surgical diminished ovarian reserve (DOR) after endometrioma cystectomy versus idiopathic DOR : comparision of in Vitro outcome. *Hum Reprod* 2015; 30:840-7.
19. Greco F, Perrin J, Auffan M, Tassistro V, Orsiere T, **Courbiere B**. A new approach for the oocyte genotoxicity assay: adaptation of Comet Assay on mouse Cumulus-Oocyte Complexes. *Lab anim* 2015; 49:251-4.
20. Castelli C, Perrin J, Thirion X, Comte F, Gamerre M, **Courbiere B**. Maternal Factors Influencing the Decision to Breastfeed Newborns Conceived with IVF. *Breastfeed Med* 2015; 10:26-30.
21. Einaudi L, **Courbiere B**, Tassistro V, Prevot C, Sari-Minodier I, Orsiere T, Perrin J. In vivo exposure to benzo(a)pyrene induces significant DNA damage in mouse oocytes and cumulus cells. *Hum Reprod* 2014; 29: 548-54.
22. Dinelli L, **Courbiere B**, Achard V, Jouve E, Deveze C, Gnisci A, Grillo JM, Paulmyer-Lacroix O. Prognosis factors of pregnancy after intra-uterine insemination with husband's sperm (IUI-H): conclusions of a 2019 cycle analysis. *Fertil Steril* 2014;101:994-1000.
23. Paulmyer-Lacroix O, Despierres L, **Courbiere B**, Bardin N. Antiphospholipid Antibodies in Women Undergoing In Vitro Fertilization Treatment: Clinical Value of IgA Anti-β2glycoprotein I Antibodies Determination. *BioMed Research International*, vol. 2014, Article ID 314704, 5 pages, 2014. doi:10.1155/2014/314704.
24. Ohannessian A, Loundou A, **Courbiere B**, Cravello L, Agostini A. Ovarian responsiveness in women receiving fertility treatment after methotrexate for ectopic pregnancy: a systematic review and meta-analysis. *Hum Reprod*. 2014; 29:1949-56.
25. **Courbiere B**, Auffan M, Rollais R, Tassistro V, Bonnefoy A, Botta A, Rose J, Orsière T, Perrin J. Ultrastructural interactions and genotoxicity assay of cerium dioxide nanoparticles on mouse oocytes. *Int J Mol Sci* 2013;14: 21613-28. .
26. **Courbiere B**, Decanter C, Bringer-Deutsch S, Rives N, Mirrallie S, Pech J.C, De Ziegler D, Carré-Pigeon F, May-Panloup P, Siefer C, Amice V, Schweitzer T, Porcu-Buisson G, Poirot C and the French Study Group for Ovarian and Testicular Cryopreservation (GRECOT). Emergency IVF for embryo freezing to preserve female fertility. A French cohort multicentric study. *Hum Reprod* 2013; 28: 2381-8.
27. Mangot-Bertrand J, Fenollar F, Bretelle F, Gamerre M, Raoult D, **Courbiere B**. Molecular diagnosis of bacterial vaginosis: impact on IVF outcome. *Eur J Clin Microbiol Infect Dis* 2013; 32: 535-41.
28. Berthelot-Ricou A, Perrin J, Di Giorgio C, De Meo M, Botta A, **Courbiere B**. Genotoxicity assessment of oocyte vitrification protocols by comet assay on mouse oocytes. *Fertil Steril* 2013; 100:882-8.
29. Assouline E, Crocchiolo R, Prebet T, Broussais F, Coso D, Gamerre M, Vey N, Blaise D, **Courbiere B**. Impact of Reduced-Intensity Conditioning Allogeneic Stem Cell Transplantation on women fertility. *Clin Lymphoma, Myeloma Leuk* 2013; 24: S2152-2650.
30. Ramiandrasoa C, Castinetti F, Raingard I, Fenichel P, Chabre O, Brue T, **Courbiere B**. Delayed diagnosis of Sheehan's syndrome in a developed country. A retrospective cohort study. *Eur J Endocrinol* 2013; 12: 169:431-8.
31. Roustan A, Perrin J, Berthelot-Ricou A, Lopez E, Botta A, **Courbiere B**. Evaluating methods of mouse euthanasia on the oocyte quality: cervical dislocation versus isoflurane inhalation. *Lab Anim* 2012; 46:167-9.