

Home > Centre Hospitalier Régional Universitaire de Lille > Christine Decanter



Christine Decanter
Centre Hospitalier Régional Universitaire de Lille · Center of Wife, Mother and Newborn Jeanne de Flandre
MD
Head of the academic IVF and Fertility Preservation centre of the Lille University Hospital, Hôpital Jeanne de Flandre

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About

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Introduction

Head of the academic IVF and Fertility Preservation Centers of the Lille University Hospital, hôpital Jeanne de Flandre. Research : ONCOLille ; UMR9020 CNRS - U1277 INSERM "cancer heterogeneity, plasticity and resistance to therapies"

Skills and Expertise

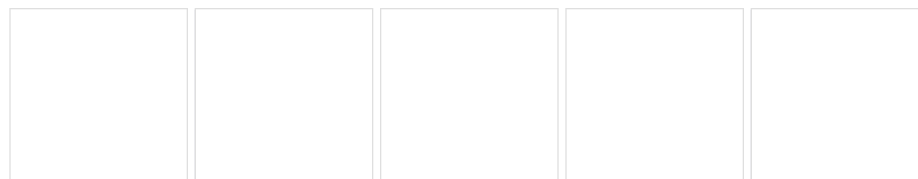
- Reproductive Endocrinology Anti-Mullerian Hormone Oocytes Fertility Preservation Assisted Reproductive Technology Reproductive Medicine Polycystic

Additional affiliations

May 2000 - present
Centre Hospitalier Régional Universitaire de Lille
ART and fertility preservation · Lille, France
Position
Head of Department

Publications

Publications (138)



What reproductive follow-up for adolescent and young women (AYA) after cancer? A review

Article Full-text available

Feb 2024

Christine Decanter · E Elefant · Catherine Poirot · B Courbiere

View

Prospective multicenter observational real-world study to assess the use, efficacy and safety profile of follitropin delta during IVF/ICSI procedures (DELTA Study)

Article

Dec 2023

● Géraldine Porcu-Buisson · ● Chloé Maignien · ● Nelly Swierkowski-Blanchard · [...] · ● Anne Guivarc'h-Leveque

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How to Choose the Optimal Starting Dose of Clomiphene Citrate (50 or 100 mg per Day) for a First Cycle of Ovulation Induction in Anovulatory PCOS Women?

Article [Full-text available](#)

Jul 2023

● Lucie Huyghe · ● Camille Robin · ● Agathe Dumont · [...] · ● Geoffroy Robin

Research question: Clomiphene citrate (CC) is one of the first-line treatments for ovulation induction in women with anovulatory polycystic ovary syndrome (PCOS). However, nearly 1 out of 2 women is resistant to 50 mg/day of CC. The objective of this study is to investigate the clinical, biological, and/or ultrasound factors that may predict the r...

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Pain assessment in women with or without endometriosis during IVF process: a prospective study

Article

Jun 2023

● Alice Cathelain · ● Virginie Simon · ● Jean Michel Wattier · [...] · ● Chrystele Rubod

[View](#)

Fertility preservation and endometriosis

Article

Jun 2023

● Christine Decanter

[View](#)

Restatement. Cancer and fertility preservation

Article

May 2023

● Blandine Courbiere · ● Catherine Poirot · ● Christine Decanter · [...] · ● Eric Huyghe

CANCER AND FERTILITY PRESERVATION. The integration of fertility preservation into the treatment pathway is a major issue for quality of life after cancer, particularly for very young children, adolescents and young adults. Responses must be adapted to age, gender and treatment. The recommendations of the French National Cancer Institute (INCa) aim...

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Préservation de la fertilité féminine

Chapter

Jan 2023

● Yasmine Boumerdassi · ● Christine Decanter · ● Julie Labrosse · [...] · ● Christophe Sifer

[View](#)

Liste des auteurs

Chapter

Jan 2023

● Adda-Herzog Elodie · ● Adjiman Louise · ● Ahdad-Yata Naouel · [...] · ● Chadi Yazbeck

[View](#)



Systematic use of long-acting intramuscular progesterone in addition to oral dydrogesterone as luteal phase support for single fresh blastocyst transfer: A pilot study

Article [Full-text available](#)

Dec 2022

● Virginie Simon · ● Geoffroy Robin · ● L. Keller · [...] · ● Pauline Plouvier

Objective The need of luteal support after FET is no longer to be proven. Different routes of progesterone administration are available with interindividual differences in metabolism and serum progesterone levels,

the latter being highly correlated with pregnancy and delivery rates. The administration of 2 different routes of progestogen signif...

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Contraception in breast cancer survivors from the FEERIC case-control study (performed on behalf of the Seintinelles research network)

[Article](#) [Full-text available](#)

Dec 2022

[Clara Sebbag](#) · [Christine Rousset-Jablonski](#) · [florencia Coussy](#) · [...] · [Anne-Sophie Hamy-Petit](#)

Objective To compare the prevalence of contraception in breast cancer (BC) patients at risk of unintentional pregnancy (i.e. not currently pregnant or trying to get pregnant) and matched controls. **Study design** The FEERIC study (Fertility, Pregnancy, Contraception after BC in France) is a prospective, multicenter case-control study, including local...

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A real-world study of ART in France (REOLA) comparing a biosimilar rFSH against the originator according to rFSH starting dose

[Article](#)

Nov 2022

[Paul Barrière](#) · [Samir Hamamah](#) · [Elisangela Arbo](#) · [...] · [Salle Bruno](#)

Background Since the first launch of a biosimilar recombinant follicle stimulating hormone (rFSH), Bemfola®, in Europe in 2014, it has been possible to study in routine clinical care throughout France the effectiveness of a biosimilar rFSH including according to different rFSH starting doses. **Methods** REOLA was a non-interventional, retrospective, r...

[View](#)

P069: Characterisation of influencing parameters on oocyte quality preservation in a cohort of Hodgkin lymphoma patients

[Article](#)

Oct 2022

[Chloé Chuzel](#) · [Virginie Simon](#) · [Hélène Béhal](#) · [...] · [Morgane Nudel](#)

[View](#)

Efficacy and safety of controlled ovarian hyperstimulation with or without letrozole for fertility preservation in breast cancer patients: A multicenter retrospective study

[Article](#)

Oct 2022

[Oranite Goldrat](#) · [Manon De Cooman](#) · [Audrey Mailliez](#) · [...] · [Christine Decanter](#)

Introduction Fertility preservation (FP) is recommended in young breast cancer (BC) patients before (neo)adjuvant treatment. Letrozole-associated controlled ovarian hyperstimulation (LetCOH) is used worldwide to collect mature oocytes for FP, but its efficacy and safety compared to conventional protocols (cCOH) are still debated. **Aims** To compare e...

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L'établissement de normes sériques d'hormone anti-müllérienne (AMH) dans une grande cohorte d'hommes adultes normozoospermiques met la lumière sur de nouvelles potentielles fonctions physiologiques de l'AMH sur la sécrétion de FSH et la mobilité des spermatozoïdes

[Article](#)

Oct 2022

[Hamza Benderradji](#) · [A.L. Barbotin](#) · [M. Leroy-Billiard](#) · [...] · [C. Leroy](#)

Objectif Nous avons d'abord cherché à établir l'intervalle de référence pour les concentrations sériques d'AMH chez des hommes adultes. Deuxièmement, nous avons étudié la relation entre les concentrations sériques d'AMH et les gonadotrophines, la testostérone totale ainsi que les paramètres spermatozoïdes. **Patients et méthodes** Au total, 578 hommes a...

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What should be done in terms of fertility preservation for patients with cancer? The French 2021 guidelines

[Article](#)

Sep 2022

[Nathalie Rives](#) · [Blandine Courbiere](#) · [Thierry E Almont](#) · [...] · [Eric Huyghe](#)

Aim To provide practice guidelines about fertility preservation (FP) in oncology. **Methods** We selected 400 articles after a PubMed review of the literature (1987–2019). **Recommendations** Any child, adolescent and adult of reproductive age should be informed about the risk of treatment gonadotoxicity. In women, systematically proposed FP counselling...

[View](#)**Defining reference ranges for serum anti-Mullerian hormone (AMH) on a large cohort of normozoospermic adult men highlights new potential physiological functions of AMH on FSH secretion and sperm motility**[Article](#) [Full-text available](#)

May 2022

[Hamza Benderradji](#) · [Barbotin Anne-Laure](#) · [Leroy-Billiard Maryse](#) · [...] · [Leroy Clara](#)

Background: Few studies to date have attempted to measure serum anti-Müllerian hormone (AMH) levels in adult men, and solid references ranges have not yet been defined on a large cohort. Objective: In this study, we aimed to first establish the reference ranges for serum AMH and AMH-to-total testosterone ratio (AMH/TT) in adult males. Secondly, we...

[View](#)**Comparison of two endometrial preparation methods for frozen-thawed embryo transfer in anovulatory PCOS patients: Impact on miscarriage rate**[Article](#)

Apr 2022

[Virginie Simon](#) · [Geoffroy Robin](#) · [Christine Decanter](#) · [...] · [Pauline Plouvier](#)

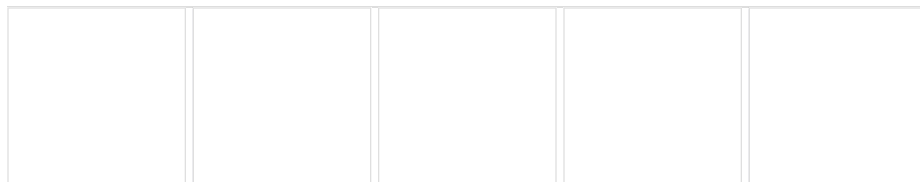
Objective: - Some studies have suggested that patients with polycystic ovary syndrome (PCOS) are at high risk of miscarriage. However, this still remains controversial. Several potential factors might explain this association: obesity, hyperinsulinemia and hyperandrogenism. Artificial and stimulated cycles appear to be comparable for endometrial p...

[View](#)**Defining reference ranges for serum anti-Müllerian hormone on a large cohort of normozoospermic adult men highlights new potential physiological functions of AMH on FSH secretion and sperm motility**[Article](#) [Full-text available](#)

Apr 2022

[Hamza Benderradji](#) · [Anne-Laure Barbotin](#) · [Maryse Leroy-Billiard](#) · [...] · [Clara Leroy](#)

Abstract Background: Few studies to date have attempted to measure serum anti-Müllerian hormone (AMH) levels in adult men, and solid references ranges have not yet been defined on a large cohort. Objective: In this study, we aimed to first establish the reference ranges for serum AMH and AMH-to-total testosterone ratio (AMH/TT) in adult males. Sec...

[View](#)**Defining reference ranges for serum anti-Müllerian hormone (AMH) on a large cohort of normozoospermic adult men**[Article](#) [Full-text available](#)

Apr 2022

[Hamza Benderradji](#) · [Anne-Laure Barbotin](#) · [Maryse Leroy-Billiard](#) · [...] · [Clara Leroy](#)

Background Few studies to date have attempted to measure serum anti-Müllerian hormone (AMH) levels in adult men, and solid references ranges have not yet been defined on a large cohort. Objective In this study, we aimed to first establish the reference ranges for serum AMH and AMH-to-total testosterone ratio (AMH/TT) in adult males. Secondly, we i...

[View](#)**Préservation de la fertilité**[Chapter](#)

Apr 2022

[Christine Decanter](#)[View](#)**Pregnancy, fertility concerns, and fertility preservation procedures in French breast cancer survivors in the FEERIC national study (on behalf of the Seintinelles research network)**[Article](#) [Full-text available](#)

Jan 2022

● Manon Mangiardi-Veltin · ● Clara Sebbag · ● Christine Rousset-Jablonski · [...] · ● Anne-Sophie Hamy-Petit

Research Question : What are the oncofertility practices in real life in young women diagnosed with breast cancer (BC)? Design : The FEERIC study (Fertility, Pregnancy, Contraception after BC in France) is a web-based cohort study launched with the French collaborative research platform Seintinelles. The current work is based on the enrollment sel...

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Is ovarian recovery after chemotherapy in young patients with early breast cancer influenced by controlled ovarian hyperstimulation for fertility preservation or tumor characteristics? Results of a prospective study in 126 patients

Article [Full-text available](#)

Feb 2022

● Audrey Mailliez · ● Pascal Pigny · ● Emilie Bogart · [...] · ● Christine Decanter

Young individuals, aged <40 years, represent 7% of all patients with early breast cancer (EBC), most of whom receive chemotherapy. Preserving future fertility in these patients has become a major concern. This prospective study assessed ovarian function during and after chemotherapy according to patient and tumor characteristics and evaluated the o...

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Polycystic ovary syndrome phenotype does not have impact on oocyte morphology

Article [Full-text available](#)

Jan 2022

● Audrey Uk · ● Christine Decanter · ● Camille Grysole · [...] · ● Anne-Laure Barbotin

Purpose The primary objective of the present study of women participating in an ICSI program was to determine whether the morphologic quality of oocytes was related to the polycystic ovary syndrome (PCOS) phenotype. Methods We performed a retrospective cohort study in the IVF unit at the Lille University Medical Center (Lille, France) between 2006...

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Contraception in breast cancer survivors from the FEERIC case-control study (performed on behalf of the Seintinelles research network)

Preprint [Full-text available](#)

Dec 2021

● Clara Sebbag · ● Christine Rousset-Jablonski · ● florence Coussy · [...] · ● Anne-Sophie Hamy-Petit

Objective: To compare the prevalence of contraception in breast cancer (BC) patients at risk of unintentional pregnancy (i.e. not currently pregnant or trying to get pregnant) and matched controls. Design: The FEERIC study (Fertility, Pregnancy, Contraception after BC in France) is a prospective, multicenter case-control study. Data were collected...

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Impact of endometriosis on oocyte morphology in IVF-ICSI: retrospective study of a cohort of more than 6000 mature oocytes

Article [Full-text available](#)

Oct 2021

● Camille Robin · ● Audrey Uk · ● Christine Decanter · [...] · ● Geoffroy Robin

Background Infertility associated with endometriosis can be explained by several non-exclusive mechanisms. The oocyte plays a crucial role in determining embryonic competence and this is particularly relevant for in vitro fertilization (IVF) outcomes. According to some authors, the morphology of oocytes could also be a non-invasive marker of oocyte...

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Longitudinal study of AMH variations in 122 Adolescents and Young Adults (AYA) and non-AYA lymphoma patients to evaluate the chemo-induced ovarian toxicity to further personalise fertility preservation counselling[Article](#) [Full-text available](#)

Aug 2021

[Christine Decanter](#) · [J Delepine](#) · [H Behal](#) · [...] · [P Pigny](#)

STUDY QUESTION What is the influence of age and chemotherapy regimen on the longitudinal blood anti-Müllerian hormone (AMH) variations in a large series of adolescents and young adult (AYA) (15–24 years old) and non-AYA (25–35 years old) lymphoma patients? SUMMARY ANSWER In case of alkylating regimen treatment, there was a deep and sustained folli...

[View](#)**Polycystic Ovary Syndrome Phenotype Does Not Have Impact on Oocyte Morphology**[Preprint](#) [Full-text available](#)

Jul 2021

[Audrey Uk](#) · [Christine Decanter](#) · [Camille Grysole](#) · [...] · [anne-laure barbotin](#)

Purpose The primary objective of the present study of women participating in an ICSI program was to determine whether the morphologic quality of oocytes was related to the polycystic ovary syndrome (PCOS) phenotype. Methods We performed a retrospective cohort study in the IVF unit at the Lille University Medical Center (Lille, France) between 2006...

[View](#)**Pregnancy, fertility concerns, and fertility preservation procedures in French breast cancer survivors in the FEERIC national study (on behalf of the Seintinelles research network)**[Preprint](#) [Full-text available](#)

Jun 2021

[Manon MANGIARDI-VELTIN](#) · [Clara SEBBAG](#) · [Christine Rousset-Jablonski](#) · [...] · [Anne-Sophie Hamy-Petit](#)

Objective To study fertility concerns and oncofertility practices at time of breast cancer (BC) diagnosis. Design The FEERIC study (Fertility, Pregnancy, Contraception after BC in France) is a prospective, multicenter study. Setting Web-based collaborative research platform Seintinelles. Patients 517 patients with prior BC diagnosis free from relap...

[View](#)**Oocyte accumulation for Fertility Preservation in women with benign ovarian tumors (BOT) with history of previous surgery or multiple/large cysts**[Article](#) [Full-text available](#)

May 2021

[Charlotte Legrand](#) · [Laura Keller](#) · [Pierre Collinet](#) · [...] · [Christine Decanter](#)

Research Question The study aimed to evaluate the relevance and the acceptance of an oocyte accumulation program in young women with benign ovarian tumor. Design This is a retrospective cohort study carried out in the Academic ART and Fertility Preservation Centre of the Lille University Hospital from January 2016 to December 2019. We evaluate the...

[View](#)**Pregnancy after chemoradiotherapy in childhood: Complications and recommendations - about one case**[Article](#)

Oct 2020

[C. Verhaeghe](#) · [Christine Decanter](#) · [H. Sudour](#) · [...] · [Véronique Houfflin-Debarge](#)

The question of pregnancy prognosis after radio chemotherapy is unaddressed. We report here the case of three successive spontaneous pregnancies 17 years after the management of a thigh rhabdomyosarcoma treated by radiochemotherapy. In 2018 the patient aged 22 presented with a spontaneous miscarriage. In 2019, she obtained a new spontaneous pregnan...

[View](#)**Autotransplantation de tissu ovarien cryoconservé: première expérience au CHU de Lille**[Article](#)

Aug 2019

[L. Pouypoudat](#) · [D. Vinatier](#) · [L. Keller](#) · [...] · [Collinet Pierre](#)[View](#)**Abstract P1-11-06: Systematic evaluation of ovarian reserve in young breast cancer patients treated by sequential chemotherapy**

[Article](#)

Feb 2019

[A Mailliez](#) · [P Pigny](#) · [E. Bogart](#) · [...] · [Christine Decanter](#)

Most women in reproductive age diagnosed with breast cancer receive (neo)adjuvant chemotherapy. Fertility preservation is part of the standard of care for these young women. Patients and methods We report preliminary results of a prospective multicentric cohort evaluating ovarian reserve during and after chemotherapy and fertility preservation in y...

[View](#)**Different Patterns of Ovarian Recovery After Cancer Treatment Suggest Various Individual Ovarian Susceptibilities to Chemotherapy**[Article](#)

Nov 2018

[Christine Decanter](#) · [Marc Cloquet](#) · [Audrey Dassonneville](#) · [...] · [Pascal Pigny](#)

(Abstracted from *Reprod Biomed Online* 2018;36:711–718) A late marker for the resumption of follicle growth after chemotherapy is the final recovery of menstrual activity. This can be monitored by measuring concentrations of anti-müllerian hormone (AMH), which is a real-time indicator of both follicular depletion and renewal of growth.

[View](#)**Prospective Assessment of Follicular Growth and the Oocyte Cohort After Ovarian Stimulation for Fertility Preservation in 90 Cancer Patients Versus 180 Matched Controls**[Article](#)

Nov 2018

[Christine Decanter](#) · [Geoffroy Robin](#) · [Audrey Mailliez](#) · [...] · [L. Keller](#)

(Abstracted from *Reprod Biomed Online* 2018;36:543–551) With the increasing incidence of cancer and survival rates among young women, the development of fertility preservation techniques is of critical importance for those who desire future pregnancy. The pattern of ovarian response and oocyte quality after ovarian stimulation in cancer patients of...

[View](#)**Serial serum cell-free DNA (CFDNA) and AMH quantification in lymphoma and breast cancer patients before and after chemotherapy: link with the ovarian function**[Article](#)[Full-text available](#)

Sep 2018

[S. Hamamah](#) · [P. Pigny](#) · [C. Vincens](#) · [...] · [Christine Decanter](#)[View](#)**Management of endometriosis CNGOF/HAS clinical practice guidelines short version**[Article](#)[Full-text available](#)

Jun 2018

[Collinet Pierre](#) · [Xavier Fritel](#) · [Christine Revel-Delhom](#) · [...] · [Michel Canis](#)

First-line diagnostic investigations for endometriosis are physical examination and pelvic ultrasound. The second-line investigations are: targeted pelvic examination performed by an expert clinician, transvaginal ultrasound performed by an expert physician sonographer (radiologist or gynaecologist), and pelvic MRI. Management of endometriosis is r...

[View](#)**Deeply infiltrating endometriosis and infertility: CNGOF-HAS Endometriosis Guidelines**[Article](#)

Mar 2018

[E Mathieu d'Argent](#) · [J. Cohen](#) · [C Chauffour](#) · [...] · [Pietro Santulli](#)

Deeply infiltrating endometriosis is a severe form of the disease, defined by endometriotic tissue peritoneal infiltration. The disease may involve the rectovaginal septum, uterosacral ligaments, digestive tract or bladder. Deeply infiltrating endometriosis is responsible for disabling pain and infertility. The purpose of these recommendations is t...

[View](#)**Stratégies de prise en charge de l'infertilité en assistance médicale à la procréation dans un contexte d'endométriose, RPC Endométriose, CNGOF-HAS**[Article](#)

Mar 2018

[Pietro Santulli](#) · [Collinet Pierre](#) · [Xavier Fritel](#) · [...] · [C. Chapron](#)

Résumé La prise en charge de l'infertilité dans un contexte d'endométriose doit être globale. Dans ce contexte, la prescription d'un traitement hormonal antigonadotrope ne permet pas d'augmenter le taux de grossesses hors FIV et n'est pas recommandée. En cas d'infertilité dans un contexte d'endométriose, les résultats de la prise en charge en AMP p...

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Different patterns of ovarian recovery after cancer treatment suggest various individual ovarian susceptibilities to chemotherapy

[Article](#) [Full-text available](#)

Mar 2018

[Christine Decanter](#) · [Marc Cloquet](#) · [Audrey Dassonneville](#) · [...] · [Pascal Pigny](#)

The relationship between early recovery of menstrual activity and blood anti-Müllerian hormone (AMH) concentrations were investigated within the first year post-chemotherapy in 32 young patients with breast cancer. All were treated by surgery and the same chemotherapy protocol (three cycles of FEC100 plus three cycles of taxanes). Menstrual activit...

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Endométriose et préservation de la fertilité, RPC Endométriose, CNGOF-HAS

[Article](#)

Mar 2018

[Christine Decanter](#) · [E.M. d'Argent](#) · [J. Boujenah](#) · [...] · [Pietro Santulli](#)

Fertility preservation (FP) techniques are progressing rapidly these past few years thanks to the oocyte vitrification. Indication of FP techniques is now extended to non-oncological situation that may induce risk of premature ovarian failure. Ovarian endometriosis can lead to premature ovarian failure and further infertility due to the high risk o...

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Prise en charge de l'infertilité en première intention hors FIV : performances du traitement médical ? Performances de la stimulation ovarienne ? Performances des inséminations ? RPC Endométriose CNGOF-HAS

[Article](#)

Mar 2018

[J. Boujenah](#) · [Pietro Santulli](#) · [E. Mathieu-d'Argent](#) · [...] · [P. Poncelet](#)

Introduction: Using the structured methodology of French guidelines (HAS-CNGOF), the aim of this chapter was to formulate good practice points (GPP), in relation to optimal non-ART management of endometriosis related to infertility, based on the best available evidence in the literature. Materials and methods: This guideline was produced by a gr...

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Prise en charge de l'endométriose : recommandations pour la pratique clinique CNGOF-HAS (texte court)

[Article](#) [Full-text available](#)

Mar 2018

[Collinet Pierre](#) · [Xavier Fritel](#) · [C. Revel-Delhom](#) · [...] · [Michel Canis](#)

Résumé Les examens de première intention pour rechercher une endométriose sont l'examen clinique et l'échographie pelvienne. Les examens de deuxième intention sont l'examen pelvien orienté réalisé par un clinicien référent, l'échographie endovaginale faite par un échographiste référent et l'IRM pelvienne. Il est recommandé de prendre en charge l'en...

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Endométriose profonde et infertilité, RPC Endométriose CNGOF-HAS

[Article](#)

Mar 2018

[E. Mathieu d'Argent](#) · [J. Cohen](#) · [C. Chauffour](#) · [...] · [Pietro Santulli](#)

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Prospective assessment of follicular growth and the oocyte cohort after ovarian stimulation for fertility preservation in 90 cancer patients versus 180 matched controls

[Article](#) [Full-text available](#)

Feb 2018

[Christine Decanter](#) · [Geoffroy Robin](#) · [Audrey Mailliez](#) · [...] · [L. Keller](#)

A lower number of metaphase II oocytes eligible for vitrification after controlled stimulation in cancer patients has recently been reported, suggesting that cancer may impair the dynamics and quality of follicular growth. In

this prospective, non-interventional study, the pattern of follicular growth and oocyte cohort after ovarian stimulation in...

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Oocyte Quality in PCOS

Chapter [Full-text available](#)

Jan 2018

[Christine Decanter](#)

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Proposition systématique de préservation de la fertilité par congélation d'ovocytes en cas de tumeur ovarienne bénigne

[Article](#)

May 2017

[Y. Dadoun](#) · [Henri Azaïs](#) · [L. Keller](#) · [...] · [Christine Decanter](#)

Objectives: To investigate prospectively the pattern of the follicular growth and to characterize the COH outcome in terms of oocyte number and maturity in patients with voluminous recurrent benign ovarian tumors with a high surgical risk of significant reduction of the ovarian follicular content. Methods: The inclusion criteria were: age between...

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Abstract P5-09-06: Ovarian reserve and response to controlled ovarian hyperstimulation (COH) in breast cancer women with and without BRCA mutation

[Article](#)

Feb 2017

[A Mailliez](#) · [L. Keller](#) · [S Menu-Hespel](#) · [...] · [Christine Decanter](#)

Background: 6300 new cases of breast cancer arise in young women under 40 each year in France. Some of them are BRCA 1 or 2 mutation carriers. Most of them receive a potentially gonadotoxic chemotherapy while they have not yet completed their family. Since 2011, a systematic proposal of ovarian reserve follow-up and fertility preservation by oocyte...

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Premature ovarian failure secondary to chemotherapy: What molecules? What mechanisms?

[Article](#)

Jan 2017

[J. Bertrand-Delepine](#) · [Christine Decanter](#) · [Geoffroy Robin](#)

Female fertility preservation has become a true medical issue in the management of cancers in women of childbearing age. The knowledge of the risk of ovarian failure is essential to optimize the support of concerned women. The objective of this review is to propose a synthesis on risks of ovarian failure related to the different chemotherapy protocols...

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Interactions between androgens, FSH, anti-Müllerian hormone and estradiol during folliculogenesis in the human normal and polycystic ovary

[Article](#) [Full-text available](#)

Aug 2016

[Didier Dewailly](#) · [Geoffroy Robin](#) · [Maëliiss Peigné](#) · [...] · [Sophie Jonard](#)

BACKGROUND Androgens, FSH, anti-Müllerian hormone (AMH) and estradiol (E2) are essential in human ovarian folliculogenesis. However, the interactions between these four players is not fully understood. OBJECTIVES AND RATIONALE The purpose of this review is to highlight the chronological sequence of the appearance and function of androgens, FSH, AMH...

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assisted reproductive techniques in single women: which proposals for which demands?

[Article](#) [Full-text available](#)

May 2016

[Christine Decanter](#)

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Assistance médicale à la procréation chez la femme célibataire : quelles propositions pour quelles demandes ?

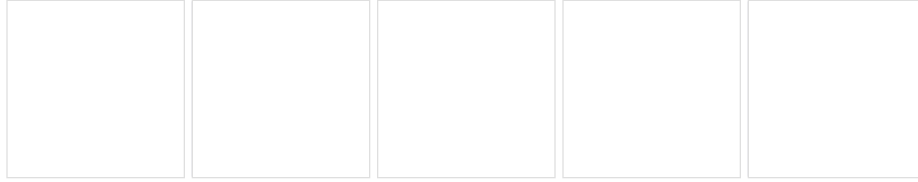
[Article](#)

Mar 2016

[Christine Decanter](#)

The French bio-ethic law concerning ART is more restricted than in other countries. Techniques can only be applied in heterosexual couples presenting a documented infertility. Nevertheless, concerns about fertility planning are numerous in young women, leading to a growing demand of reproductive medicine consultations. Two situations can be disting...

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Immunosuppressive drugs and fertility

[Article](#) [Full-text available](#)

Dec 2015

[Clara Leroy](#) · [Jean-Marc Rigot](#) · [Maryse Leroy](#) · [...] · [Marie-Christine Vantyghem](#)

Immunosuppressive drugs are used in the treatment of inflammatory and autoimmune diseases, as well as in transplantation. Frequently prescribed in young people, these treatments may have deleterious effects on fertility, pregnancy outcomes and the unborn child. This review aims to summarize the main gonadal side effects of immunosuppressants, to de...

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Ovarian reserve after treatment with alkylating agents during childhood

[Article](#) [Full-text available](#)

Mar 2015

[Cécile Thomas-Teinturier](#) · [Rodrigue Allodji](#) · [Ekaterina Svetlova](#) · [...] · [Florent de Vathaire](#)

What is the effect of different alkylating agents used without pelvic radiation to treat childhood cancer in girls on the ovarian reserve in survivors? Ovarian reserve seems to be particularly reduced in survivors who received procarbazine (in most cases for Hodgkin lymphoma) or high-dose chemotherapy; procarbazine but not cyclophosphamide dose is...

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Management of endocrino-metabolic dysfunctions after allogeneic hematopoietic stem cell transplantation

[Article](#) [Full-text available](#)

Dec 2014

[Marie-Christine Vantyghem](#) · [Jérôme Cornillon](#) · [Christine Decanter](#) · [...] · [Ibrahim yakoub-agma](#)

Allogeneic hematopoietic stem cell transplantation is mainly indicated in bone marrow dysfunction related to blood diseases, but also in some rare diseases (adrenoleucodystrophy, mitochondrial neurogastrointestinal encephalomyopathy or MNGIE...). After decades, this treatment has proven to be efficient at the cost of numerous early and delayed side e...

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Is polycystic ovarian morphology related to a poor oocyte quality after controlled ovarian hyperstimulation for intracytoplasmic sperm injection? Results from a prospective, comparative study

[Article](#) [Full-text available](#)

Oct 2014

[Julien Sigala](#) · [Christophe Sifer](#) · [Didier Dewailly](#) · [...] · [Christine Decanter](#)

To evaluate the relationship between polycystic ovarian morphology (PCOM) and oocyte quality after controlled ovarian stimulation for intracytoplasmic sperm injection (ICSI). Prospective, comparative study with

concurrently treated and age-matched controls. Academic IVF unit of the Lille University Hospital. A total of 194 women were prospectively...

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Fertility preservation in hematologic malignancies

[Article](#)

Oct 2014

● Christine Decanter

The incidence of hematologic malignancies, especially lymphoma, in young patients as well as survival rates is steadily increasing. The question of fertility capacity is therefore of great importance regarding the quality of life after cancer. According to the ASCO recommendations, every patient should be advised about the chemotherapy-induced ovar...

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Aspects cliniques pratiques de la vitrification ovocytaire en oncofertilité

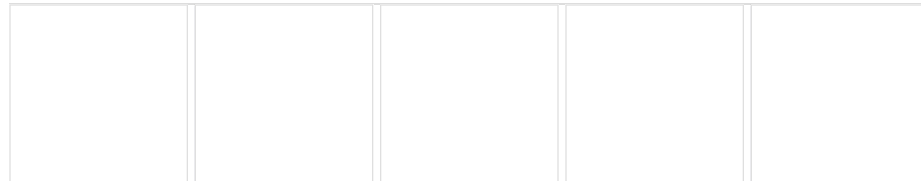
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Aug 2014

● Blandine Courbiere · ● Christine Decanter

Oocyte vitrification is a preservation fertility strategy, which can be performed in women after puberty to preserve gametes before beginning a gonadotoxic anticancer treatment. Based on available literature and our personal data, we aim to provide an overview about the feasibility, the clinical and logistic difficulties of oocyte vitrification in...

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Detection of Non-Hodgkin's Lymphoma in ovarian cortex pieces during the process of cryopreservation

[Article](#) [Full-text available](#)

Jul 2014

● Héloïse Gronier · ● Louis Terriou · ● Geoffroy Robin · [...] · ● Christine Decanter

Innovations in chemotherapy treatments are leading to increased survival rates among lymphoma patients. Non Hodgkin's Lymphoma (NHL) is the most common hematologic malignancy and one of the most common cancers in adolescents and young adults. The incidence of NHL has increased 2-fold over the past twenty years. Chemotherapy regimens for NHL always...

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Toward a better follow-up of ovarian recovery in young women after chemotherapy with a hypersensitive antimüllerian hormone assay

[Article](#) [Full-text available](#)

Jun 2014

● Christine Decanter · ● Maëliiss Peigné · ● Audrey Mailliez · [...] · ● Pascal Pigny

Objective: To evaluate the utility of a hypersensitive assay for measuring low antimüllerian hormone (AMH) levels in young cancer patients during the ovarian recovery phase of their chemotherapy. Design: Retrospective study. Setting: Academic medical center. Patient(s): Fifty-eight samples drawn at least 3 months after the end of chemotherapy...

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Déficits en 21-hydroxylase et infertilité féminine : de la physiopathologie à la prise en charge thérapeutique

[Article](#)

Jun 2014

● Geoffroy Robin · ● Christine Decanter · ● H. Baffet · [...] · ● Didier Dewailly

Steroid 21-hydroxylase deficiency is the most common adrenal genetic disease and is also named congenital adrenal hyperplasia. Depending on the severity of CYP21A2 gene mutations, there are severe or "classical" forms and moderate or "nonclassical" forms of 21-hydroxylase deficiency. The enzyme deficiency causes a disruption of adrenal steroidogene...

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[Steroid 21-hydroxylase deficiencies and female infertility: Pathophysiology and management.]

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May 2014

● Geoffroy Robin · ● Christine Decanter · ● H Baffet · [...] · ● Didier Dewailly

Steroid 21-hydroxylase deficiency is the most common adrenal genetic disease and is also named congenital adrenal hyperplasia. Depending on the severity of CYP21A2 gene mutations, there are severe or "classical" forms and moderate or "nonclassical" forms of 21-hydroxylase deficiency. The enzyme deficiency causes a disruption of adrenal steroidogene...

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May 2014

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Dé ficits en 21-hydroxylase et infertilité fé minine : de la physiopathologie à la prise en charge thé rapeutique
Steroid 21-hydroxylase deficiencies and female infertility: Pathophysiology and management b Service de gyné
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Anti-Mullerian hormone as a marker of acute and long-term ovariotoxicity of chemotherapy

Article [Full-text available](#)

Mar 2014

● Maëliiss Peigné · ● Christine Decanter

Chemotherapeutic agents are notoriously ovariotoxic in that they damage follicles. Anti-mullerian hormone (AMH) is a very sensitive indicator of the ovarian follicular content. The aim of this reviewwas to investigate the interest of serumAMHvariations in determining the acute and long-term effects of chemotherapy on the ovarian reserve. Thirteen E...

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Serum AMH level as a marker of acute and long-term effects of chemotherapy on the ovarian follicular content: A systematic review

Article [Full-text available](#)

Mar 2014

● Maëliiss Peigné · ● Christine Decanter

Anti-Mullerian hormone (AMH) is a very sensitive indicator of the ovarian follicular content. Chemotherapeutic agents are notoriously ovariotoxic in that they damage follicles. The aim of this systematic review was to investigate the interest of serum AMH variations in determining the acute and long-term effects of chemotherapy on the ovarian reser...

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Abstract P3-09-19: A prospective study of fertility preservation by controlled ovarian hyperstimulation (COH) without letrozole in young breast cancer patients before adjuvant chemotherapy: Preliminary results

Article

Mar 2014

● A. Mailliez · ● Y. Vendel · ● A. Govaere · [...] · ● Christine Decanter

s: Thirty-Sixth Annual CTRC-AACR San Antonio Breast Cancer Symposium - Dec 10-14, 2013; San Antonio, TX
Background: 6300 new cases of breast cancer arise in young women under 40 each year in France. The majority receives chemotherapy and a lot of them have not completed their family. The incidence of persistent chemotherapy-induced amenorrhea in t...

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Syndrome des ovaires polymicrokystiques : une pathologie à risque obstétrical ?

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Feb 2014

[A. Bruyneel](#) · [Sophie Jonard](#) · [Christine Decanter](#) · [...] · [Geoffroy Robin](#)

Polycystic ovary syndrome (PCOS) is the most common endocrine disorder in women of reproductive age and the leading cause of female infertility. This condition is frequently associated with significant metabolic disorders, including obesity and hyperinsulinemia. Therefore, it seems essential to focus on the pregnancy of these patients and possible...

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Jan 2014

[Geoffroy Robin](#) · [Christine Decanter](#)

Therapeutic advances in oncology have improved the prognosis for long-term survival of children and young adults. As well as other couples or because of adverse side effects of cancer treatments on reproductive function, some cancer survivors will therefore be brought to use assisted reproductive technologies (intrauterine inseminations, in vitro f...

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Jan 2014

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Therapeutic advances in oncology have improved the prognosis for long-term survival of children and young adults. As well as other couples or because of adverse side effects of cancer treatments on reproductive function, some cancer survivors will therefore be brought to use assisted reproductive technologies (intrauterine inseminations, in vitro f...

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Oct 2013

[Christine Decanter](#) · [Geoffroy Robin](#)

The incidence of cancer in young patients as well as survival rates is steadily increasing. The question of fertility capacity is therefore of great importance regarding the quality of life after cancer. According to the ASCO recommendations, every patient should be advised about the chemotherapy-induced ovarian damage and fertility preservation po...

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Sep 2013

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In the attempt to harmonize clinical practices between different French transplantation centers, the French Society of Bone Marrow Transplantation and Cell Therapy (SFGM-TC) set up the third annual series of workshops which brought together practitioners from all member centers and took place in October 2012 in Lille. Here we report our results and...

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The number of young cancer women theoretically eligible for fertility preservation before chemotherapy is steadily increasing. Nevertheless, the number of patients who can really benefit from complex ART techniques such as ovarian tissue or oocyte/embryo cryopreservation remains very low mainly because of a too short time-interval between the cance...

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Jul 2013

● Blandine Courbiere · ● Christine Decanter · ● S Bringer-Deutsch · [...] · ● Testicular Cryopreservation

What are the outcomes of French emergency IVF procedures involving embryo freezing for fertility preservation before gonadotoxic treatment? Pregnancy rates after emergency IVF, cryopreservation of embryos, storage, thawing and embryo transfer (embryo transfer), in the specific context of the preservation of female fertility, seem to be similar to t...

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In women, the reproductive harm of toxins such as tobacco smoke is reversible in 6 months: Basis for the "olive tree" hypothesis

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Jun 2013

● Dominique de Ziegler · ● Pietro Santulli · ● Alice Seroka · [...] · ● Charles Chapron

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First intention IVF protocol for polycystic ovaries: Does oral contraceptive pill pretreatment influence COH outcome?

Article [Full-text available](#)

Jun 2013

● Christine Decanter · ● Geoffroy Robin · ● Patricia Thomas · [...] · ● Didier Dewailly

Background Morphological aspect of polycystic ovaries (PCO) is a very common finding in an IVF center population: this includes PCOS patients identified in 18–25% of the couples presenting with infertility and so called "sonographic PCO only" the prevalence of which has been estimated as high as 33% in asymptomatic patients. Finding the optimal fir...

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Comparative analysis of two-widely used immunoassays for the measurement of serum AMH in women

Article

Jan 2013

● P. Pigny · ● A. Dassonneville · ● Sophie Jonard · [...] · ● Didier Dewailly

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Stratégies de préservation de la fertilité chez la femme jeune atteinte de cancer du sein ou d'hémopathie maligne

Article

Jan 2013

● Christine Decanter · ● Geoffroy Robin

The incidence of cancer in young patients as well as survival rates is steadily increasing. The question of fertility capacity is therefore of great importance regarding the quality of life after cancer. According to the ASCO recommendations, every patient should be advised about the chemotherapy-induced ovarian damage and fertility preservation po...

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Bilan avant induction de l'ovulation chez une femme à haut risque mammaire

Chapter

Jan 2013

● Christine Decanter

Women with a breast cancer susceptibility gene 1 (BRCA1) or breast cancer susceptibility gene 2 (BRCA2) mutation are at increased risk for developing breast and ovarian cancer. Various reproductive and hormonal factors have been shown to modify the risk of breast cancer. These studies suggest that estrogen exposure and deprivation are important in...

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Liste des collaborateurs

Chapter

Dec 2012

● Ambassa Nathalie · ● Bachelot Anne · ● Baffet Hortense · [...] · ● Young Jacques

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Asthénozoospermie sévère à vitalité normale et ICSI

Article [Full-text available](#)

Dec 2012

● V. Mitchell · ● Julien Sigala · ● Fanny Jumeau · [...] · ● D. Escalier

In the management of asthenozoospermia, the spermogram-spermocytogram plays an important role during diagnosis. It is of major importance to distinguish between necrozoospermia and sperm vitality. An ultrastructural study of spermatozoa is processed in the case of primary infertility without female implication, severe, unexplained and irreversible...

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Fertility preservation in breast cancer[Article](#)

Apr 2012

[Christine Decanter](#) · [D. De Ziegler](#)

In young breast cancer patients, fertility preservation should be discussed because of the potential ovarian toxicity of the FEC-taxotere protocol but also because they often have to postpone pregnancy for at least two to five years. Several options can be proposed: (1) ovarian tissue cryopreservation, (2) oocyte freezing, (3) embryo freezing, (4)...

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Fertility preservation strategy in women treated for cancer[Article](#)

Apr 2012

[Christine Decanter](#)

The incidence of cancer in young patients as well as survival rates is increasing more and more. The question of fertility capacity is therefore of great importance regarding the quality of life after cancer. According to the ASCO recommendations, every patient should be advised of the chemotherapy-induced ovarian damage and fertility preservation...

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Prise en charge du cancer du sein infiltrant de la femme âgée de 40 ans ou moins[Article](#)

Oct 2011

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Management of invasive breast cancer in women aged 40 years or less[Article](#)

Oct 2011

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Oocyte/embryo cryopreservation before chemotherapy for breast cancer[Article](#)[Full-text available](#)

Aug 2011

[Christine Decanter](#) · [Joseph Gligorov](#)

Breast cancer affects 6300 new patients per year under age 40 per year in France. The new adjuvant chemotherapy protocols have significantly improved the prognosis of these young women who may wish to conceive later. Embryo cryopreservation is the best way to preserve fertility, providing 25 to 35% chance of pregnancy. Oocyte freezing may be an alt...

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Predictive factors of testicular spermatozoa retrieval in a population of 119 azoospermic males with Klinefelter syndrome[Conference Paper](#)

Jul 2011

[Nathalie Rives](#) · [M. Secco](#) · [Marjorie Bailly](#) · [...] · [Bertrand Macé](#)[View](#)

Adjuvant chemotherapy for breast cancer and fertility: Estimation of the impact, options of preservation and role of the oncologist[Article](#)[Full-text available](#)

Jun 2011

[Audrey Mailliez](#) · [Christine Decanter](#) · [Jacques Bonneterre](#)

Résumé Le cancer du sein touche 52 000 patientes par an en France dont 7 % ont moins de 40 ans. Les protocoles standards de chimiothérapie adjuvante du cancer du sein comprennent désormais des anthracyclines et des taxanes. Ces avancées thérapeutiques ont significativement amélioré le pronostic de ces femmes jeunes qui peuvent ultérieurement souhai...

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SELECTED ORAL COMMUNICATION SESSION, SESSION 04: ANDROLOGY - MALE FACTOR, Monday 4 July 2011 10:00 - 11:30[Article](#)[Full-text available](#)

Jan 2011

[Nathalie Rives](#) · [M. Secco](#) · [Marjorie Bailly](#) · [...] · [M. Brassesco](#)

Introduction: Klinefelter syndrome (KS) is the most common sex chromosomal disorder observed in azoospermic infertile males. Testicular sperm extraction (TESE) has been considered as a possible option for these patients to father with their own spermatozoa. However, this technique is not commonly proposed in all assisted reproductive centers and to...

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Evaluation of Chemotherapy-Induced Ovarian Failure by Sequential Anti-Müllerian Hormone Dosage.

Article

Nov 2010

● Sabine Tricot · ● Christine Decanter · ● Julia Salleron · [...] · ● Franck Morschhauser

3813 Background Chemotherapy-induced ovarian failure is one of the most challenging side effects for female patients with lymphoma. For a given patient, it remains difficult to predict if ovarian failure will recover or lead to sterility. Anti-Müllerian Hormone (AMH) reflects primordial follicle depletion and may predict ovarian function recovery....

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Does the ovarian profile prior to chemotherapy influence the dynamics of follicular depletion and recovery? a longitudinal study of AMH and AFC in 60 young lymphoma patients

Article

Sep 2010

● Christine Decanter · ● Franck Morschhauser · ● P. Pigny · [...] · ● Didier Dewailly

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Reconciling the Definitions of Polycystic Ovary Syndrome: The Ovarian Follicle Number and Serum Anti-Mullerian Hormone Concentrations Aggregate with the Markers of Hyperandrogenism

Article

Sep 2010

● Didier Dewailly · ● Pascal Pigny · ● Soudan Benoit · [...] · ● Alain Duhamel

It is still debated whether clinical and/or biological indices of hyperandrogenism (HA) should be present to qualify a patient as having polycystic ovary syndrome (PCOS). We hypothesized that excessive follicle number (FN) assessed by ovarian ultrasonography and/or serum anti-Müllerian hormone (AMH) concentrations may be used as surrogates for the...

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Le syndrome des ovaires polymicrokystiques – ou les follicules dans tous leurs excès

Article

Jun 2010

● Geoffroy Robin · ● Sophie Jonard · ● Didier Dewailly · ● Christine Decanter

Polycystic ovary syndrome (PCOS) is the most common etiology of menstrual disorders and hyperandrogenism. It is characterized by an excess of ovarian follicles. The mechanisms that underlie folliculogenesis disorder in PCOS appear to arise from primitive ovarian hyperandrogenism. This can be modulated by hormonal factors, such as LH or insulin. Ova...

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[Polycystic ovary syndrome: A model of follicular excess].

Article

Jun 2010

● Geoffroy Robin · ● Sophie Jonard · ● Didier Dewailly · ● Christine Decanter

Polycystic ovary syndrome (PCOS) is the most common etiology of menstrual disorders and hyperandrogenism. It is characterized by an excess of ovarian follicles. The mechanisms that underlie folliculogenesis disorder in PCOS appear to arise from primitive ovarian hyperandrogenism. This can be modulated by hormonal factors, such as LH or insulin. Ova...






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Current position
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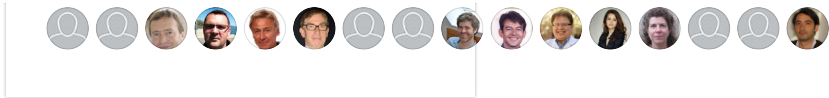
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