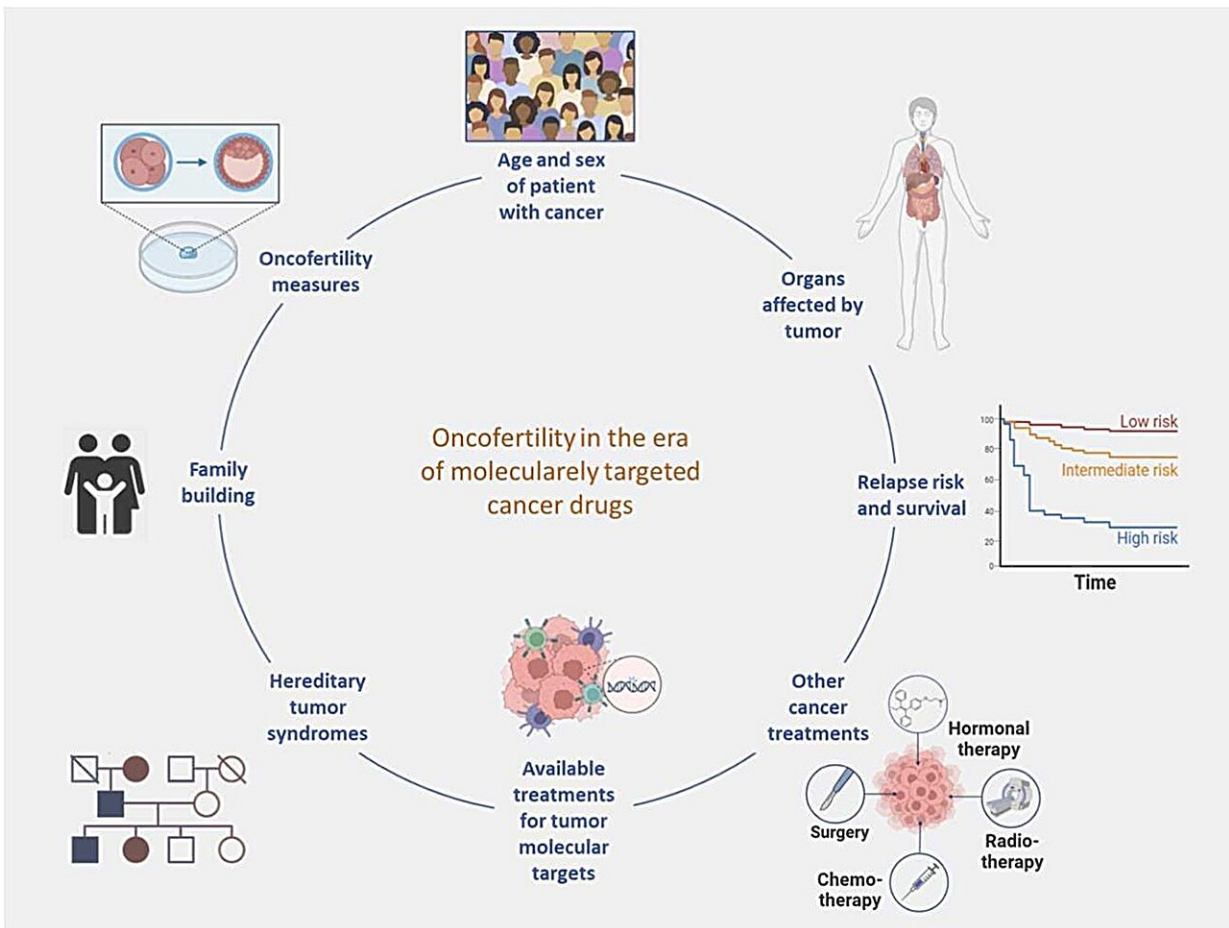


Future cancer treatment and fertility discussed in comprehensive review

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Credit: *European Journal of Cancer* (2024). DOI: 10.1016/j.ejca.2024.114010

In recent years, the treatment landscape for solid tumors has undergone a

notable change. With new cancer treatments, the future looks brighter for many young cancer patients, making fertility issues and future family planning an important aspect. Six specialists in oncology and onco-fertility at the Department of Oncology-Pathology have joined forces to compile knowledge and recommendations on this important issue.

Hildur Helgadóttir, a senior consultant, and associate professor at the Department of Oncology-Pathology, along with Simon Ekman, Alexios Matikas, Kenny Rodriguez-Wallberg, Jan-Erik Frödin, and Josefin Fernebro, all from the same department, have published a [comprehensive review](#) in the *European Journal of Cancer* on the effects of the new generation of cancer drugs on fertility and reproduction. These aspects are particularly relevant for [young individuals](#) undergoing treatments for solid tumors.

Uncertain effects on reproductive functions

There are great uncertainties regarding the effects of the new drugs on [reproductive functions](#), including fertility, pregnancy, and lactation, and how young cancer patients, both women and men, should be advised. The goal of this review is to compile current knowledge on onco-fertility and various new therapies, including immune checkpoint inhibitors, [antibody-drug conjugates](#), small molecules, and monoclonal antibodies.

The publication also discusses the specific circumstances and reproductive concerns in different patient groups where new treatments have been widely introduced, including melanoma, lung cancer, breast cancer, colorectal cancer, and gynecological cancers. It is clear that more awareness is needed regarding potential drug toxicity on reproductive tissues, and it is essential that individuals are informed based on current expertise and available fertility preservation methods.

The review is a significant contribution to the field and provides valuable

insights that can help shape future treatment strategies and patient care.

More information: Hildur Helgadóttir et al, Fertility and reproductive concerns related to the new generation of cancer drugs and the clinical implication for young individuals undergoing treatments for solid tumors, *European Journal of Cancer* (2024). [DOI: 10.1016/j.ejca.2024.114010](https://doi.org/10.1016/j.ejca.2024.114010)

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