Triptorelin for the Prevention of Ovarian Damage in Adolescents and Young Adults With Cancer

Status: RECRUITING

Eligibility Criteria

Age: Up to 39 years old

This study is NOT accepting healthy

Healthy Volunteers: volunteers

Inclusion Criteria:

* \< 40 years of age at the time of enrollment * Patient must be a post-menarchal female and report that their initial menstrual period occurred \> 6 months prior to enrollment. (Current menstrual status is not part of the inclusion criteria.) * Newly diagnosed with first cancer, exclusive of breast cancer. * Note: Apart from breast carcinoma, other tumor types originating in the breast are permitted (e.g., sarcoma, lymphoma). * Planned treatment must include one or more of the following alkylating agents delivered with curative intent: cyclophosphamide, ifosfamide, procarbazine, chlorambucil, carmustine (BCNU), lomustine (CCNU), melphalan, thiotepa, busulfan, nitrogen mustard. * For patients \< 20 years of age at enrollment, the expected alkylator dose must be ≥ 4 g/m\^2 cumulative cyclophosphamide equivalent dose (CED). For patients ≥ 20 years of age at enrollment, any planned alkylator dose is permitted. Eligible patients must receive at least one of the alkylators that contribute to CED. * All patients and/or their parents or legal guardians must sign a written informed consent. * All institutional, Food and Drug Administration (FDA), and National Cancer Institute (NCI) requirements for human studies must be met.

Exclusion Criteria:

* Any planned radiation to the pelvis; or cranial radiation ≥ 30 gray (Gy) to the hypothalamus, inclusive of any total body irradiation (TBI). * Planned bilateral oophorectomy. Note: A participant's desire to pursue alternative fertility preservation procedures (i.e., embryo, oocyte, or ovarian tissue cryopreservation) will be allowed (and in fact encouraged). * Congenital syndromes associated with infertility and decreased ovarian reserve at baseline. For example: Turner's Syndrome, Fragile X premutation carriers, Down syndrome, etc. * Pre-existing seizure disorder, congenital long QT syndrome, pseudotumor cerebri; history of pulmonary embolism, venous thrombosis, or myocardial infarction. Note: Contact study chairs if questions arise about other pre-existing conditions. * Receipt of long acting (depot) GnRH agonists within 6 months before enrollment. In contrast, subcutaneous GnRH agonist used for oocyte retrieval is not an exclusion; oral and other hormonal contraceptive use is also not an exclusion. Note: Please see protocol for the concomitant therapy restrictions for patients during the study treatment period. See protocol for information about oral and other hormonal contractive use during the study treatment period. * Prior receipt of systemic chemotherapy. However, steroids and intrathecal chemotherapy are permitted prior to study enrollment. * Any prior radiation to the pelvis; or cranial radiation ≥ 30 Gy to the hypothalamus, inclusive of any total body irradiation (TBI). * Patients who are pregnant are not eligible. A pregnancy test is required for female patients of childbearing potential. * Lactating females who plan to breastfeed their infants for the duration of triptorelin therapy (24 weeks per dose). * Sexually active patients of reproductive potential who have not agreed to use an effective contraceptive method for the duration of triptorelin therapy (24 weeks per dose).

Conditions & Interventions

Interventions:
OTHER: Best Practice, PROCEDURE: Biospecimen Collection, OTHER: Electronic Health Record Review, OTHER: Survey Administration, DRUG: Triptorelin Pamoate
Conditions:
Hematopoietic and Lymphatic System Neoplasm, Malignant Solid Neoplasm

More Information

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IRB
Number:
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