

AUTOLOGOUS STEM CELL TRANSPLANT PROCESS

CANCER DIAGNOSIS AND TREATMENT

You will be treated at our hospital or cancer centre, or at a referring centre. Your primary hematologist may refer you to the Kingston Health Sciences Centre Stem Cell Transplant Program.

STEM CELL TRANSPLANT PATIENT INITIAL CONSULT

You are seen for an initial consult to learn if a stem cell transplant is safe and appropriate for you. During the consult you will receive counselling and education about stem cell transplantation, including the benefits and risks.

PRE-TRANSPLANT ASSESSMENT AND PREPARATION

You will undergo tests, imaging, and procedures. These include: bloodwork, X-ray, breathing test (PFT), heart test (MUGA or ECHO), and central line placements.

STEM CELL MOBILIZATION (OUTPATIENT)

You will attend a pre-mobilization visit(s). You will also receive teaching on how to give yourself Neupogen® injections.

STEM CELL COLLECTION (OUTPATIENT)

You will get a temporary apheresis catheter inserted and you will have your stem cells collected. Stem cell collection can take a few days.

ADULT ONCOLOGY UNIT ADMISSION (INPATIENT)

You will be admitted to the inpatient unit and receive high dose chemotherapy.

STEM CELL RE-INFUSION (INPATIENT)

Your stem cells will be re-infused and you will be monitored during and after the infusion.

ENGRAFTMENT (INPATIENT)

Your blood counts will be monitored until they recover. During this time, you may receive supportive therapy and treatment such as blood product transfusions, intravenous fluid, and electrolyte replacements.

RECOVERY (OUTPATIENT)

You will be discharged to recover at home. You may need additional blood transfusions and intravenous fluid as an outpatient. You will also need to be re-immunized after your transplant.

This can take three to six months

This will take three weeks

This can take three to four weeks