

# AUTOLOGOUS STEM CELL TRANSPLANT PROCESS

## CANCER DIAGNOSIS AND TREATMENT

You will be treated at Kingston General Hospital or at a referring centre. Your primary hematologist may refer you to the Kingston General Hospital Stem Cell Transplant Program.

## STEM CELL TRANSPLANT PATIENT INITIAL CONSULT

You are seen for initial consult to determine 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.

## MOBILIZATION CHEMOTHERAPY (STEM CELL TRANSPLANT UNIT - OUTPATIENT)

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

## STEM CELL COLLECTION (STEM CELL TRANSPLANT UNIT - 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 (Kidd 9 - INPATIENT)

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

## STEM CELL RE-INFUSION (STEM CELL TRANSPLANT UNIT - INPATIENT)

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

## ENGRAFTMENT (Kidd 9 - 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 will take three weeks

This can take three to four weeks

This can take three to six months