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## Stem cell (bone marrow) transplantation

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If this treatment relates to you, use this section to:

- **record** details about your stem cell transplant treatment
- **store** your stem cell transplant-related information.

### Stem cell transplantation

This replaces stem cells that have been destroyed by high doses of chemotherapy and/or radiotherapy.

The stem cells are replaced after treatment to help the bone marrow recover and continue producing healthy blood cells.

In the centre of the large bones in the body, is a spongy material called the bone marrow. This is where stem cells grow and develop into red blood cells, white blood cells and platelets. High doses of chemotherapy can harm stem cells.

Stem cells can be collected from blood (peripheral stem cell transplantation) or directly from bone marrow (bone marrow transplantation).

An 'autologous' transplant uses the patient's own stem cells, collected in advance and returned to them after chemotherapy.

In an 'allogenic' transplant, the stem cells are donated from another person, a genetically matched stem cell donor.