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The Metabolic Syndrome in long-term survivors of Haematopoietic Stem Cell Transplantation

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31 32	Abstract Since its introduction more than fifty years ago, haematopoietic stem cell transplantation
33 34	(HSCT) has transformed from an inescapably fatal procedure to one where cure from malignant and other non-malignant haematological diseases is becoming increasingly
35	common. Nevertheless, longevity is not entirely restored. New causes of mortality have
36	emerged; of particular importance is that of increased cardiovascular disease (CVD), related
37	to metabolic syndrome (MS) and its components. Controversy exists over whether the
38	metabolic abnormalities induced are a direct effect of HSCT itself or a consequence of other
39	therapies involved. Analysis of the mechanisms which promote the changes in metabolic
40	components will give insight into future HSCT therapy and also CVD pathogenesis and
41	prevention.
42	prevention
43	Introduction
	mv cancus.
44	Haematopoietic stem cell transplantation (HSCT) describes bone marrow reconstruction
45	through the administration of donor, either autologous, allogeneic or syngeneic,
46	hematopoietic progenitor cells that originate from the peripheral blood, umbilical cord
47	blood or bone marrow. The use of HSCT has expanded considerably since the early
48	pioneering work of Nobel laureate E.D. Thomas and his colleagues who recognised its

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