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## Prospective of autologous hematopoietic stem cell transplantation for aggressive multiple sclerosis

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ematopoietic stem cell transplantation (HSCT) has been tried in the recent years as a therapeutic options in patients with poor-prognosis multiple sclerosis who does not respond to conventional treatments. The purposes of this study were prevention of disability and promote the quality of life in multiple sclerosis patients with stem cell transplantation.

Methods and Materials: 10 patients were detected with sever multiple sclerosis who do not respond to traditional treatments. For 3, till 5 ml bone marrow were aspirated under local insensibility condition from iliac bone then mono nuclear cells were detected with ficol-hypaque plus method from bone marrow. CD 34+ stem cells were detected with MACS separation method. Their purification level was detected with flow cytometry and fluorescence microscopy and finally CD 34+ stem cells were cultured.

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