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(54) Title: CARBON MONOXIDE IMPROVES OUTCOMES IN TISSUE AND ORGAN TRANSPLANTS AND SUPPRESSES APOPTOSIS

(57) Abstract: The present invention features methods for transplanting organs, tissues and individual cells. Also featured are methods for maintaining cells *in vitro* and for enhancing survival and/or function of cells following transplantation. The methods include the administration of carbon monoxide in an amount sufficient to enhance cell survival and/or function.