WHAT IS CLAIMED:

1. Use of a composition comprising $CD10^+$, $CD34^-$, $CD105^+$, $CD200^+$ placental stem cells in the manufacture of a medicament for treating a subject having a diabetic peripheral neuropathy, the medicament is to be administered to the subject.

2. The use of claim 1, wherein said diabetic peripheral neuropathy affects one or more of the hands, feet, arms, or legs of said subject.

3. The use of claim 1, wherein said diabetic peripheral neuropathy affects each of the hands, feet, arms, or legs of said subject.

4. The use of any one of claims 1-3, wherein said composition comprising placental stem cells is to be administered intramuscularly.

5. The use of any one of claims 1-4, wherein said composition comprises between 1×10^5 to 1×10^6, 1×10^6 to 3×10^6, 3×10^6 to 5×10^6, 5×10^6 to 1×10^7, 1×10^7 to 3×10^7, 3×10^7 to 5×10^7, 5×10^7 to 1×10^8, 1×10^8 to 3×10^8, 3×10^8 to 5×10^8, 5×10^8 to 1×10^9, 1×10^9 to 5×10^9, or 5×10^9 to 1×10^{10} placental stem cells.

6. The use of any one of claims 1-4, wherein said composition comprises about 1×10^5, 3×10^5, 5×10^5, 1×10^6, 3×10^6, 5×10^6, 1×10^7, 3×10^7, 5×10^7, 1×10^8, 3×10^8, 5×10^8, 1×10^9, 5×10^9, or 1×10^{10} placental stem cells.

7. The use of claim 6, wherein said composition comprises about 3×10^6 placental stem cells.

8. The use of claim 6, wherein said composition comprises about 3×10^7 placental stem cells.

9. The use of any one of claims 1-8, wherein said medicament results in an increase in epidermal nerve fiber density in said subject.

10. The use of claim 9, wherein said increase in epidermal nerve fiber density in said subject is measured by skin biopsy.

11. The use of any one of claims 1-10, wherein said medicament results in improvement in one or more symptoms of said diabetic peripheral neuropathy.

12. The use of claim 11, wherein said one or more symptoms is numbness or reduced ability to feel pain or temperature changes, a tingling or burning sensation in the

limbs, sharp pains or cramps, increased sensitivity to touch, muscle weakness, loss of reflexes (e.g., in the ankle), loss of balance and/or coordination, and/or foot problems (such as ulcers, infections, deformities, and bone and joint pain).