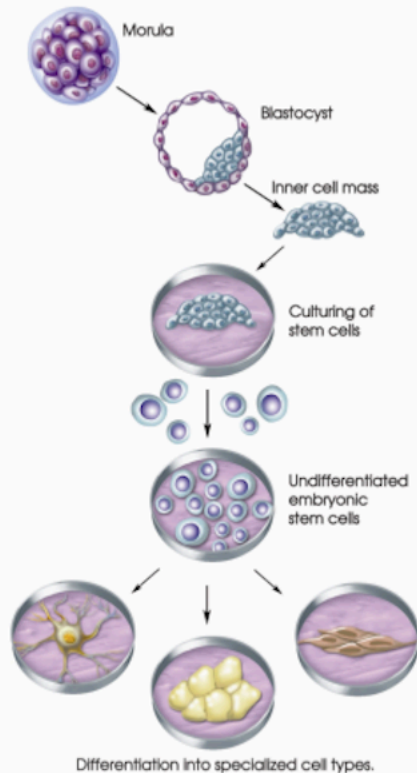


Stem Cell Therapy

Stem cell - an undifferentiated cell of a multicellular organism that is capable of giving rise to more cells of the same type which can then be transformed into specialized cells



The Process

Step 1

Collect stem cells from embryo or specific locations in adult

Step 2

Cultivate cells in vitro

Step 3

Harvest stem cells and program to perform specialized task

Step 4

Transplant specialized cells into patient

Ethical Concerns

WHEN DOES LIFE BEGIN?

IS DESTRUCTION OF A SINGLE EMBRYO JUSTIFIED FOR THE SAKE OF BENEFITTING OTHERS?

IS THE EMBRYO ACTUALLY DESTROYED SINCE CELLS ARE SUSTAINED FOR INDEFINITE GROWTH?

HOW SHOULD STEM CELL RESEARCH BE REGULATED?



PROS

- Help ameliorate diseases
- Cancer research
- Preventative Medicine
- Regrowth of organs



CONS

- Results of harvesting the cells
- Similar to reproductive cloning
- Embryonic stem cells may be rejected by the body
- Process presents ethical controversy

Potential uses of Stem cells



Infographic created by:
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References

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3. "Stem Cell Basics III." National Institutes of Health. U.S. National Library of Medicine, n.d. Web.