

# Potential uses of stem cells

In theory, we can address any disease in tissue, organs, or cellular process & fix what's wrong.

What types of disease?

Diabetes, paralysis, cancer, blindness, etc

## Climbing the Ladder

1<sup>st</sup> = stem cell therapy  
- grow the proper cells & insert them

2<sup>nd</sup> = transplant of tissues (grow & transplant)

3<sup>rd</sup> = grown organs, nerves, etc.

Clinical trials getting success!

But... Trouble with transplant is that it is someone else's organ & skin. Body recognizes that it's not your organ & immune system attacks it. Patient takes drugs to suppress immune system but makes them susceptible to things like colds. Patient can die from cold, not organ.