Induced Pluiripotent Stem Cells (iPS)

- iPS can differentiate into all specialized cell types and have high proliferation. They are genetically reprogrammed from somatic cells and are considered a valuable resource for regenerative medicine
- Patient derived iPS reduces risk of immune rejection (HLA compatibility for targeted regenerative cell therapy)

Regenerative Medicine : The Future Of Healthcare

iPS can differentiate into 200 cells which can be used to restore your own tissue & organ functions lost due to cell depletion, lost tissue, damage or defects

Regenerative Personal Cell Therapy & Drug Discovery Applications



Drug Discovery Applications

iPS have also enabled modeling of human diseases with patient-derived cells. Advances drug compound screening and evaluation of drug efficacy



- Target Validation
 - Cytotoxicity
- Compound Efficiency



Induced pluiripotent Stem Cells (iPS) - Molecular View

Reprogramming Somatic Cells Back To Pluiripotent Stem Cells



Differentiation Of iPS Cells Into Specialized Differentiated Cells



1 Joint Research With Juntendo University

2 Joint Research With Tokyo Institute Of Technology





Regenerative Medicine Clinical Pipeline Using iPS Cell Technologies Is Progressing Rapidly & Maturing

Regenerative Medicine With iPS Cells in Clinical Trials



In Japan, clinical trials are underway for age-related macular degeneration, Parkinson's disease and ischemic cardiomyopathy

Global Development Pipeline Of Regenerative & Cell Therapy Developments Using Autologus or Allogenic Cells



