

GENETIC RESCUE OF ENDANGERED MAMMALIAN SPECIES BY INTERSPECIES SOMATIC CELL NUCLEAR TRANSFER

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ABSTRACT: An endangered species is a population of organisms which is facing a high risk of becoming extinct because it is either few in numbers, or threatened by changing environmental or predation parameters. There are several ways in which one can aid in preserving the world's species who are nearing extinction. One such way is using genetic techniques to rescue the endangered species and thus useful tool for preserving Nature's diversity. Interspecies somatic cell nuclear transfer (iSCNT) is an emerging assisted reproductive technology that avoids the loss of genetic variation and provides the prospect of species continuance, rather than extinction.

Keywords: *Interspecies somatic cell nuclear transfer, endangered species, assisted reproductive technology, Preservation.*

Abbreviations:

ART- Assisted reproductive techniques

iSCNT- Interspecies somatic cell nuclear transfer

SCNT- somatic cell nuclear transfer