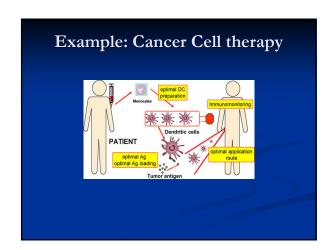


# What is a cell therapy product?

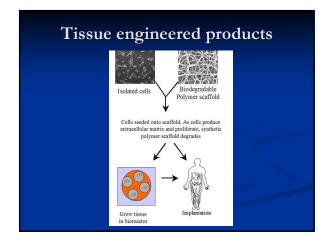
- Medicinal product based on the administration of manipulated cells into humans
  - Cells / tissues from patient itself, from another human or from animals
  - Manipulated (engineered) cells / tissues
  - Treating, preventing or diagnosing a disease through the pharmacological, immunological or metabolic action of its cells or tissues



# What is a Tissue Engineered product?

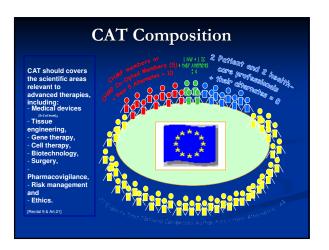
- Tissue Engineered products (TEP)
  - Contain/consist of engineered cells/tissues
  - Administered to human to regenerate, repair or replace a human tissue
- Examples:
  - Artificial skin (burn wounds)
  - Cartilage repair
  - Neo-organs





### Evaluation procedure for ATMP

- Centralised procedure mandatory:
  - pooling of Community expertise
  - harmonised requirements & evaluation
  - ensure uniform and direct access to market
- Single evaluation and authorisation for the entire EU

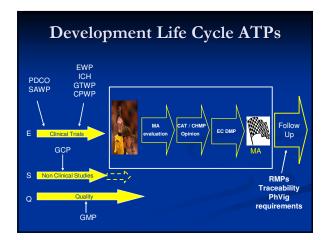


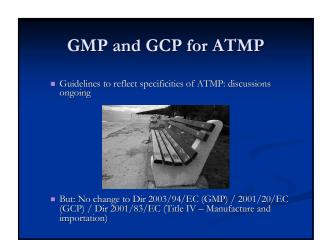
#### Development of new procedures

- Tasks of CAT: procedures/procedural guideline
  - Evaluation of MAA for ATMP
    - Preparation of draft Opinion for adoption by CHMP within 210 days
    - Interactions with Notified Bodies (combined ATMP)
  - Re-examination procedure
  - Scientific classification of ATMP
  - Scientific advice (contribution to SAWP)

#### Regulation on Advanced Therapies Key elements

- Principles of existing legislation on medicines apply to advanced therapies:
  - Quality, Safety & Efficacy
  - Marketing authorisation
  - Post-authorisation vigilance





### **Gene Therapy Products**

#### **Development of Guidelines**

- Multidisciplinary GL on gene transfer MP
- Lentiviral vector, quality & manufacture
- Inadvertent Germline transmission
- medicinal products containing genetically modified cells
- non-clinical studies required before first clinical use of gene therapy medicinal products
- on clinical monitoring and follow-up of patients exposed to gene therapy/gene transfer medicinal products
- Environmental risk assessment of gene therapy medicinal products

## Cell-based Medicinal Products Development of Guidelines

Guideline on cell-based medicinal product

- Somatic cell therapy products
- Tissue engineered products
- > Multidisciplinary GL (Quality, Non-clinical, Clinical)
- Revision of the PtC on Xenogeneic cell therapy medicinal product
- GL on clinical follow-up of patients exposed to cellbased medicinal products
- Multidisciplinary GL on Xenogeneic Cell Therapy MP

