

# ENCANTO

# REGENERATING KNEE CARTILAGE USING THE BODY'S OWN CELLS

## THE PROBLEM



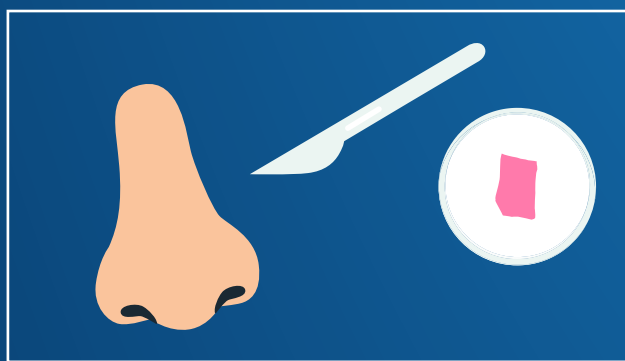
**250+** million people globally suffer from osteoarthritis

**PFOA** especially affects **younger adults** and **active individuals**

**Current treatments** often **only relieve** symptoms

## THE SOLUTION

# N-TEC THERAPY



Uses patient's **nasal cartilage cells**



Grown into a tissue-engineered implant



Transplanted into the knee to **regenerate cartilage**

## EXPECTED BENEFITS



- ✓ Natural healing approach
- ✓ Less need for artificial joint replacement
- ✓ Reduced pain and inflammation
- ✓ Better mobility and active lifestyle

## WHO'S INVOLVED?



**21** organizations



**10** countries

**6-year** research & clinical trial programme

Supported by the European Union



Funded by the European Union

## TIMELINE

Visual representation of the 2024-2029 phases:



- Early research & development
- Clinical testing
- Monitoring & evaluation
- Knowledge sharing & policy impact

