

# Tissue banking in South Africa: Sector analysis project

Michael S Pepper

MBChB, PhD, MSD, PD

University of Pretoria



# Sector analysis project

## **Aim**

- To identify the challenges faced by the human tissue sector and map key interventions to strengthen the sector through stakeholder engagement
- Close co-operation with SATS

# Sector analysis project

## Approach

- Needs analysis
  - South African and African market demand (including tissue, geographical region, etc.), versus supply (current situation from multiple sectors in SA)
- Situational analysis
  - Legal, cultural and other barriers; cause of death e.g. violence, and how this impacts on donation; readiness of legislative authorities to assist/adapt; technology status; partnership status; etc

# Defining the need

- Difficult to determine the size of the market
  - no registry for tissue use in South Africa and the continent
  - no formal waiting lists for any tissues
- Decreasing supply of tissues in SA
- Demand >>> supply

# Impediments to growth

- Lack of sufficient/appropriate legislation and government support
  - NHA and regulations
  - Protection of Personal Information Act (pending)
- Lack of a formal death-referral system which could support and facilitate the process
- Limited funding opportunities
- Lack of new entrants into the industry, no changes in leadership, no new expertise
  - Industry has become stagnant over the last 10 years

# Impediments to growth

- Insufficient education in all sectors of society
  - medical fraternity
  - fragility of public opinion
- Cultural sensitivities around human tissue related to traditions and belief systems
- Issues of literacy and language
- HIV & AIDS
  - stigmatization
  - access to patient medical records

# Business model

- Cost recovery
  - Not for profit
  - Surplus: capacity development, innovation
- Sustainability
  - Increase donor numbers
    - Enabling regulatory framework
- Innovation
  - Tissue and organ engineering
  - Cell and gene therapy

# Sector analysis project

## **Stakeholders:**

- All members of SATiBA, ODT (David Thomson and colleagues) and the ODF
- National Department of Health
- Public and private hospitals
- Forensic departments
- Patient advocacy and media

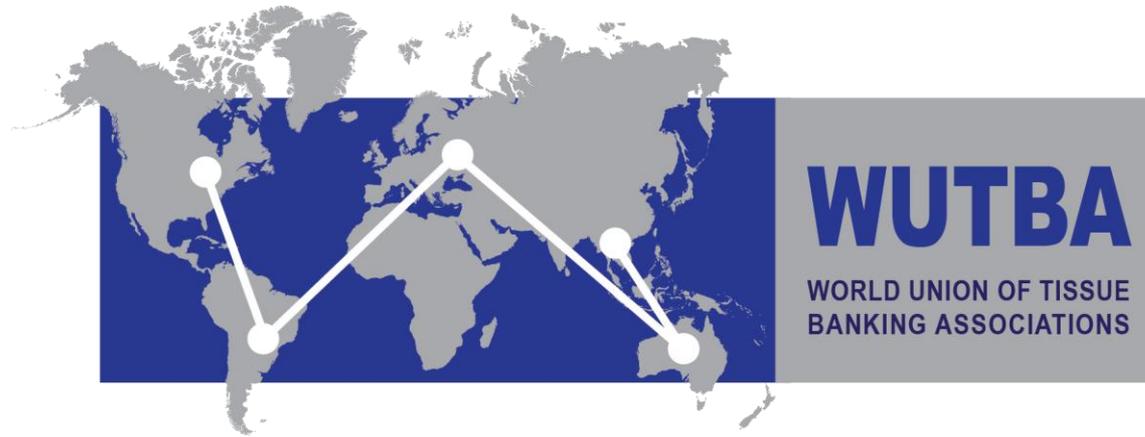
# Sector analysis project

## **Inaugural stakeholder meeting**

- End October/November 2019

## **Output**

- Detailed project plan
- Allocation of responsibilities
- Identification of funding sources



## 9th World Congress on Tissue Banking

- Q3 of 2020
- Has taken place every 3 years since the 90's
- Work emanating from this sector analysis project will provide an important backdrop to tissue banking activities in SA