

# THE EVALUATION OF ORGAN PROCUREMENT IN A SPECIFIC AREA OF CATALONIA

(following the introduction of a local coordination pilot program)

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## PURPOSE

Evaluation of impact value of introducing a local coordinator in Tarragona province (Catalonia), in a pilot program.

## METHODS/MATERIALS

- ✓ Introduction of a local coordinator *in Catalonia* (directly dependent on Catalan Transplant Organization, OCATT)
- ✓ Reference population: 704.907 inhabitants (Tarragona province).
- ✓ Five hospitals authorized for organ extraction (one of these providing neurosurgery for the area)
- ✓ Study period: July 2006 – June 2007 (compared with previous year inter-annual period)

### Local actions:

- Study of local characteristics.
  - Identifying potential organ donors.
  - Organizational aspects.
- Direct collaboration with hospital transplant coordinators.
- Quality assurance program of the donation process: Internal evaluation of five hospitals.
- On-going training schemes for hospital staff involved in donor detection and coordination (hospital coordinators, intensive care, emergency department).
- Unified donation promotion. Unified information.
  - Hospital professionals (physicians, nurses).
  - Primary health care professionals.
  - General population (radio, TV, press).



LOCAL COORDINATION

Camp de Tarragona i Terres de l'Ebre

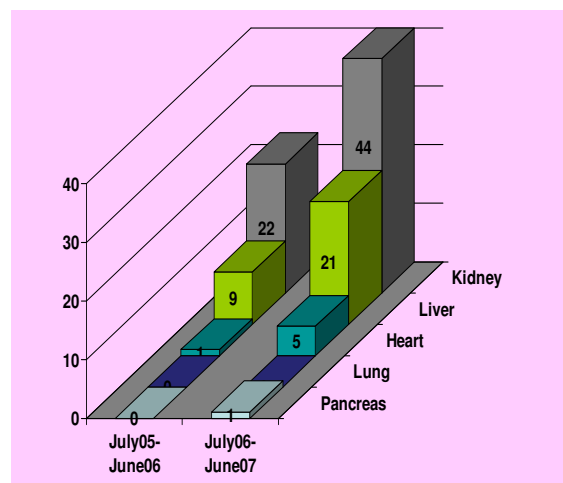
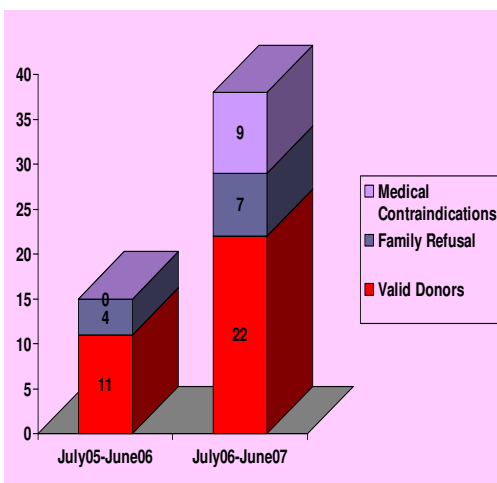


- H. U. de Tarragona Joan XXIII.
- H. Sant Pau i Santa Tecla.
- H. Pius de Valls.
- H. U. Sant Joan de Reus.
- H. Verge de la Cinta de Tortosa

**Studied variables:** Number of detected brain deaths, medical contraindications, family refusal, number of valid donors and extracted organs.

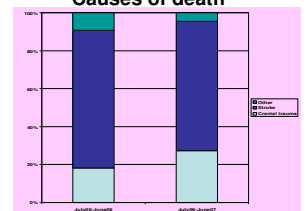
### Descriptive analysis

## RESULTS



### Organ Donors.

#### Causes of death



No differences in causes of death or mean age were observed between both groups.

#### Mean age:

• July05-June06: 59 ± 9,6 y.

• July06-June07: 53,7 ± 15,8 y.

We observe an increase in:

- Number of **detected brain deaths**: 153% (38 vs15),
- Number of **valid donors**: 100 % (22 vs 11), and
- **Extracted Organs** for transplantation: 122% (71 vs 32)

during the period analyzed following the introduction of a regional coordinator as compared with the previous period.

## CONCLUSIONS

- ❖ The introduction of a regional transplant coordinator has led to an increase in the number of brain deaths detected and to doubling the number of extracted organs for transplant, in the studied area.
- ❖ Bringing transplant organizations to the extracting hospitals undoubtedly helps to close the gap between supply and demand, in terms of available organs for transplant.