Flowchart showing longitudinal analysis of the study population.

- **Patients < 42 years submitted to surgery**
  - n=1439

- **Not eligible: no informed consent**
  - n=133

- **Diagnosis on surgery**
  - n=1306

- **Not eligible: endometriosis**
  - n=798

- **Women without endometriosis**
  - n=508

- **Not eligible: no TVUS before surgery**
  - n=179

- **Women with TVUS before surgery**
  - n=329

- **Women with uterine leiomyoma**
  - n=131

- **Frozen serum sample available for oxidative stress measurement**
  - **Leiomyoma group**
    - n=59

- **Women without uterine leiomyoma**
  - n=198

- **Frozen serum sample available for oxidative stress measurement**
  - **Control group**
    - n=92