### Eponyms:
- Male infertility due to spermatogenic failure

### Inheritance:
- Genetic heterogeneity
- Sex-limited, sex influence

### Semiological Synthesis:
Genital disorder, isolated defect. Infertility, due to nonobstructive azoospermia. Testicular samples may be classified as: 1.normal or partial mature spermatogenesis. 2. Arrest of spermatogenesis. 3. Sertoli cell only.
- Increased frequency of sperm chromosomal disomy for YY and XX, higher aneuploidy for chromosome 18;
- Leydig cell hypertrophy but not hyperplasia; characteristic tubular sclerosis or atrophy, maturation arrest, germ cell aplasia. ICS (intracytoplasmic sperm injection) is less successful in nonobstructive than in obstructive azoospermia. In infertile men, the main chromosome aberrations seem to be translocations and pericentric inversion. Defects in chromosome synopsis and decreased recombination during meiotic prophase was frequently found.

### Laboratory Data
- Chromosomal assignment
- Chromosome Yq localization
- Chromosomal disorders
- Chromosomal numerical and/or structural anomalies
- Gene, structural-functional anomalies
- AZFC, gene chr.Yq
- Gene analysis-DNA analysis
- Semen, modified appearance
- Azoospermia, nonobstructive
- Fructose, seminal plasma, high levels
- Tissue, biochemical changes
- Glyceraldehyde-3-phosphate dehydrogenase, low activity

### Others
- Inheritance
  - Inheritance, genetic heterogeneity
  - Inheritance, sex-limited, sex influenced

### Super Group:

### Super aggregates:
- Isolated genital disorders

### Differential Diagnosis:
- 5731: Chromosome robertsonian translocations
- 6910: Cystic fibrosis
- 7240: Deferens vas, aplasia
- 13366: Infertile male due to defective meiosis
- 13367: Infertile male syndrome
- 28238: Lubani syndrome
- 22330: Reifenstein syndrome
- 23875: Sinusitis-infertility syndrome
- 28457: Spermatogenesis arrest
- 24960: Teebi-Al Awadi syndrome

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