

ZOO 401 EMBRYOLOGY

Thursday, January 13, 2011 ZOO 401- Embryology-Dr. Salah

BASIC CONCEPTS

- **Embryology** is the science that treats the origin and development of the individual which is designated as the embryo
 - **gametogenesis.**
 - **Fertilization**
 - **Cleavage**
 - **Gastrulation**
 - **Organogenesis**
 - **growth and histological differentiation**

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GAMETOGENESIS

- **Spermatogenesis**
 - Spermatogenesis is the development of spermatozoa
- **Oogenesis**
 - Development of Mature Ova

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SPERMATOGENESIS

Phases of spermatogenesis

- Spermatogonia
- Primary Spermatocyte
- Secondary Spermatocyte
- Spermatids

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TRANSFORMATION PROCESS (SPERMIOGENESIS)

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OOGENESIS (DEVELOPMENT OF MATURE OVA)

- **Stages of oogenesis**
 - Oogonia
 - Primary Oocyte
 - Secondary Oocyte
 - Ovum

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