In early development of individuals multiple stages are carried on, the order and coordination of those stages is essential to obtain a morphological, anatomical and functionally normal embryo. If some of these processes go wrong, a wide range of congenital abnormalities can be described.

Objectives
- Expose the embryology of conjoined twins and compare the theories of formation that exist.
- Identify points against or in favour of each theory of conjoined twinning.
- Describe normal twin pregnancies.
- Verify and establish the terminology of different kinds of conjoined twins.
- Estimate the importance of conjoined twins in the livestock production field.

Conjoined twins

Conjoined twins and embryonic duplications can be defined as a series of progressive deformities ranging from partial duplication of a part of the body to the formation of two fused individuals.

Asymmetric conjoined twins: are formed with the fusion of an autosite, which is the individual with a higher degree of development and autonomy, and a parasitic individual which is united to the autosite and depends on it.

Symmetric conjoined twins: are those which present two fused individuals with the same development degree.

Discussion and Conclusions
- Twins are caused by a multifactorial process therefore it’s difficult to establish a general etiological cause.
- The formation theories of conjoined twins are unclear and both are properly checked.
- Naming correctly this kind of abnormalities is difficult, but the use of the adequate terminology can lead to an efficient and correct definition.
- The incidence of conjoined twins might be higher than what is reported in literature because of the lack of reports and interest from the farmers.
- These abnormalities in the gestation can cause dystocia, embryo or pregnancy loss and also damage in the mother due to the dystocia.
- In species which gestate singletons, the economic consequences are more serious than the ones with larger offspring.