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| 4.0 credits | 30.0 h + 15.0 h | 1q |
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| Teacher(s) :                 | Moens André ; Rezsöházy René ;  |
| Language :                   | Français  |
| Place of the course          | Louvain-la-Neuve  |
| Main themes :                | <p>The content of this course is divided into two parts:</p> <p>1) The embryonic period (or embryogenesis) that covers the gametogenesis (production of matured oocytes and spermatozoa), the fertilization, the preimplantation development, the implantation and the placentation in mammals. A comparative study is made for the more important clinical aspects of these processes and a whole chapter is devoted to the experimental and applied biotechnologies of the mammalian gametes and embryos. A short comparison is made with the bird's embryonic development.</p> <p>2) The fetal period (or organogenesis) consisting of the differentiation and transformation of isolated organs and anatomical systems in our domestic species.</p>   |
| Aims :                       | <p>The objective of this course is to teach the basic processes involved in the embryonic development of mammals and to present a comparative study of the differentiation of the tissues and organs of our domestic animals, mammals and birds. This knowledge is crucial to study efficiently the anatomical and physiological aspects of an organ and to understand the origin and the consequences of congenital abnormalities. The functional and clinical aspects of this comparative embryology are particularly emphasized.</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p> |
| Other infos :                | <p>Prerequisite : a good knowledge of basic biology and zoology</p> <p>Complete illustrated notes can be purchased. All recommended books of general and clinical embryology are available in the veterinary Unit.</p> <p>Practical activities consisting of dissection of mammalian fetuses (dog, cat, bovine, mouse) are organized to illustrate the theoretical concepts.</p>  |
| Cycle and year of study :    | <a href="#">&gt; Bachelor in Veterinary Medicine</a>  |
| Faculty or entity in charge: | VETE  |