ABSTRACT

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Title of Thesis: Bioethics IV - chimerism and microchimerism
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Backround: The main reason for the development of this master thesis is to describe basic bioethical aspects even problems, raised by the use of chimerism and microchimerism in the research field and also in clinical practise. Chimerism, microchimerism affect various spheres of human life, and therefore in our thesis, we draw our attention maily to research using these subject in prenatal but also in postnatal stage of the development and to xenotransplantations.

Main findings: Nature of chimerism and microchimerism is based on the formation of embryos and also adults subjects, either animal or human origin or their combination, which contain genotypically distinct sets of cells, tissues and organs derived from species - related or non - related organism. Wide range of bioethical concers is connected with this issue, for example moral status of these individuals, their true identity and their rights, safety and economics of such methods, ethical use of human embryonic stem cells in the creation of these subjects, ethics of animal rights in the research, the formation of public opinion and the major world religion´s perspectives. In terms of bioethics evaluation of this issue it is also relevant to look at its specifically created legislative framework of the country, as a form of outcome of public or scientific bioethical debate in a particular state.

Conclusion: The question of moral justification of the use of chimerism, microchimerism cannot be viewed comprehensively, because they themselves can bring specific, for some cases even unique bioethical problems or disputes, so their assessment depends from case to case

Key words: bioethics, chimerism, microchimerism, bioethical aspects of chimerism and microchimerism, national legislation