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Session Title : Ethical challenges

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## **Why xenotransplantation should be done ethically?**

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The most important point of view of organ transplantation is ethics. This procedure owes to some kind of sacrifice of other people's lives, so it should be done very ethically. Allotransplantation from humans may be not the ethical behavior itself fundamentally. So, organ xenotransplantation looks very favor the ethically from the point of view of human rights. By the background of this thought I insist fundamentally xenotransplantation is more ethical than allotransplantation including both living donation and deceased donation. Of course, xenotransplantation itself has an ethical dilemma. It is not an easy thing to accept the part of an animal's life as my functioning organ. It is not scientific thought, but somebody believes that the 'mind' is at the 'heart'. So, if we think so, identity confusion can be made. However, this kind of thinking or argument is not from decent knowledge, it may be part of our effort to correct the facts and persuade the public. Although xenotransplantation is more ethical than allotransplantation and the future of organ transplantation will be xenotransplantation, when the beginning of xenotransplantation starts clinically is not the topic easily answered. Although we have done non-human primate(NHP) experiments for more than two decades since the transgenic medi-pigs were developed and the incredibly fine survival with function results, but the NHP is nothing but the NHP. The results of experiments obtained from NHP can not be regarded as directly applicable to humans and many people deny the meaning of the results of animal experiments for the safe of the human. So, what shall we do? How we can prove the safety and efficiency of animal organs for xenotransplantation. It may not be the perfect way to start the clinical test with the results of NHP experiments, but there may not be so many opportunities we can choose for that. However, recent 'human clinical experiments' done by US doctors are not 'ethical'. Although xenotransplantation is more ethical and deserves to be developed, an ethical point of view is also very important and done very 'ethically'