

## S10-6 Overview : Application of animal models for anti-aging

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In Japan as aged society, it is inevitable that various animal models were developed for aging research. Some investigators indicated the several pitfalls including the usage of animal models. 1) Researchers have to define the public mechanism or private mechanism when proposing their own aging theory. This consideration is critical in case of extrapolation for human aging. 2) Human elderly has many diseases and physiological deterioration. Researchers have to consider the pathological or physiological aging in the interpretation of phenomena observed in their investigation. 3) Animal model is classified into two groups, homologous and analogous. The difference between two groups is based on the common mechanisms to physiological aging. Although the application of animal models has various limitations, the development of those for aging research will be required much more.