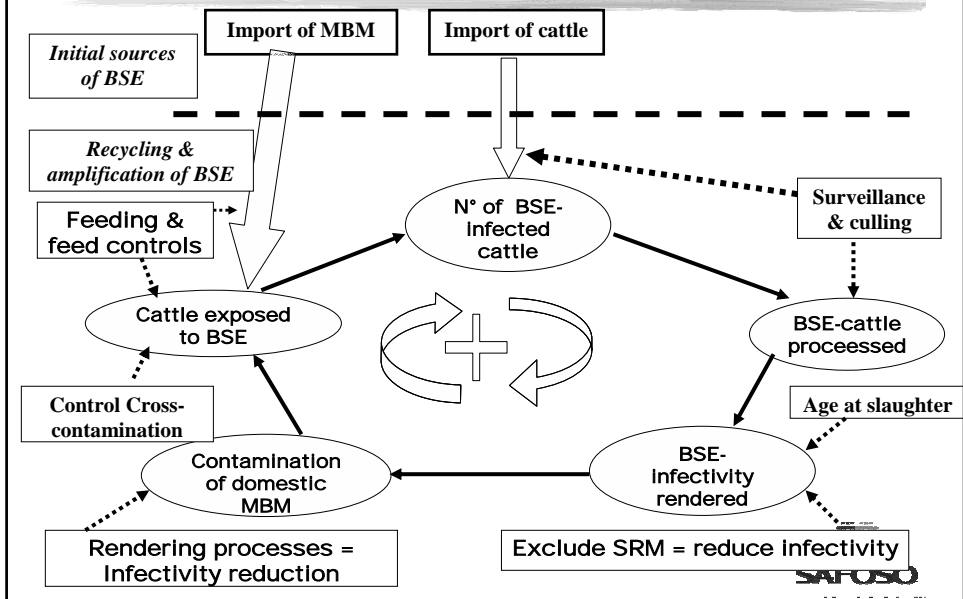
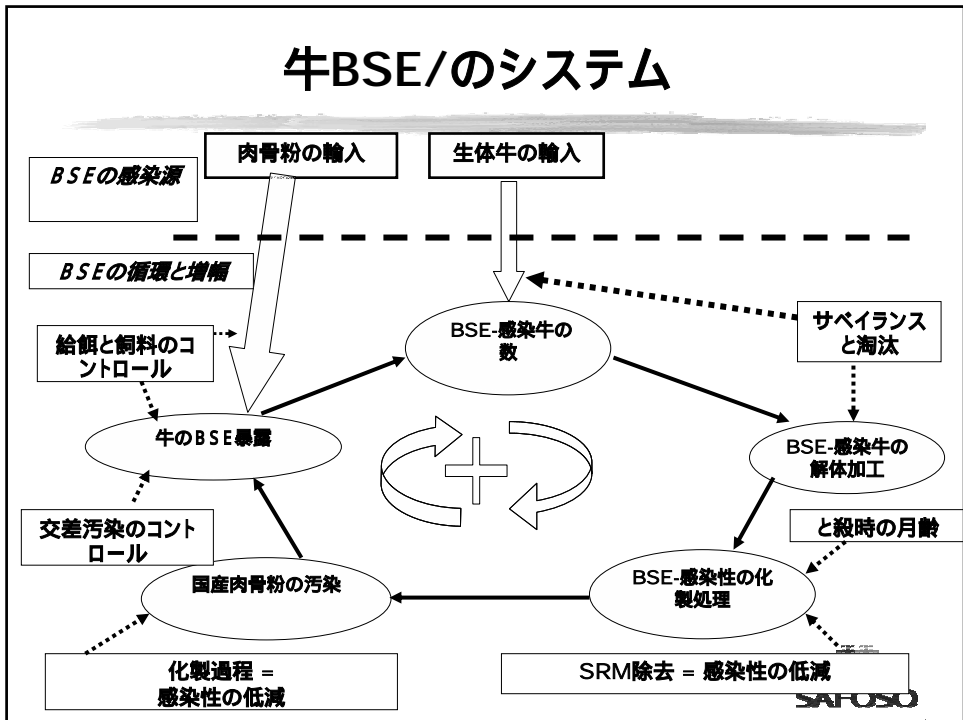


# BSE/CATTLE SYSTEM



# 牛BSE/のシステム



## Where is infectivity?

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- ❖ Infective tissue?
- ❖ How to find it?

## 感染性はどこに?

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- ❖ 感染性のある組織?
- ❖ どのように見つけるか?

## Where is infectious tissue?

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❖ How to detect infectivity?



❖ Pathogenesis experiments

- Oral infection of calves
- sequential killing
- Bioessay

## 感染性のある組織はどこに？

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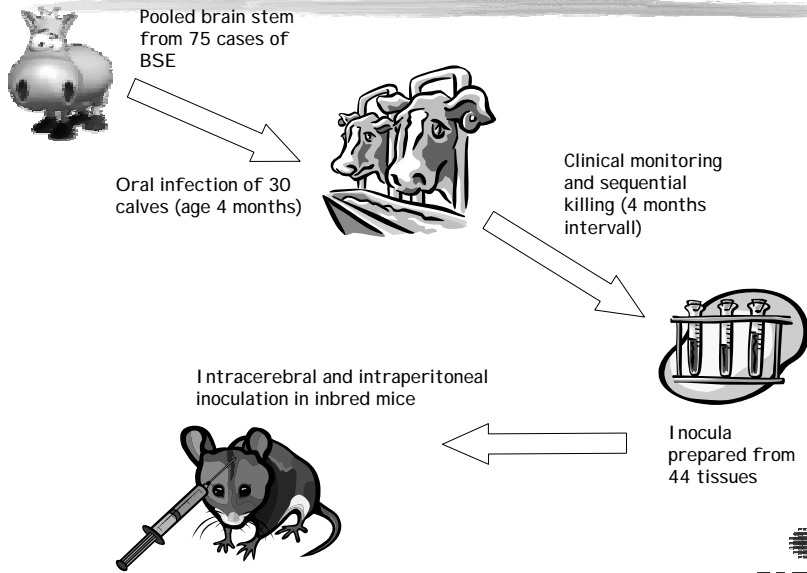
❖ 感染性の検知方法？



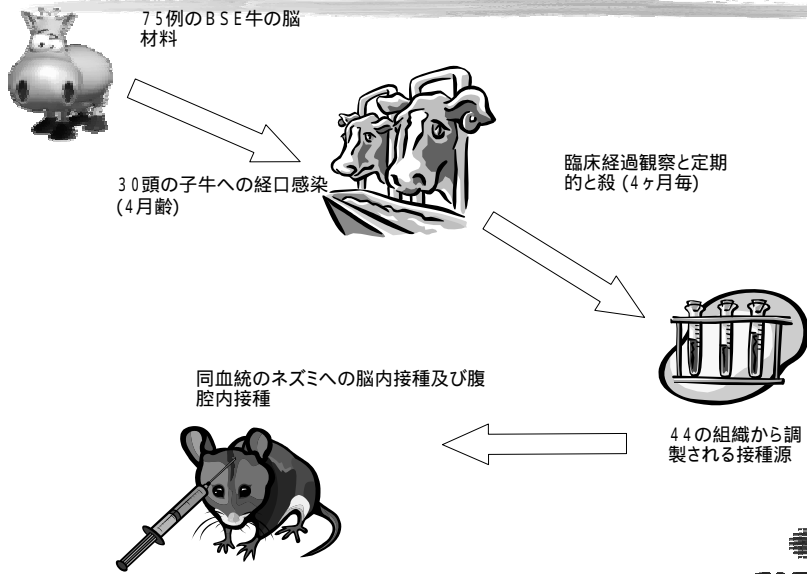
❖ 発病実験

- 子牛の経口感染
- 定期的な殺
- バイオアッセイ

# Pathogenesis experiments (species barrier)



# 発病実験 (種の壁)



## Bioassay in mice

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❖ Infectivity of tissue from infected calves in mice (species barrier):

- brain
- spinal cord
- dorsal root ganglia
- trigeminal ganglia
- distal ileum
- (bone marrow)

## ネズミでのバイオアッセイ

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❖ ネズミにおける感染牛組織の感染性(種の壁):

- 脳
- 脊髄
- 背根神経節
- 三叉神経節
- 回腸遠位部
- (骨髄)