

ハイリスク手技に用いられた手術器具等に対して現時点で推奨される処理方法

①適切な洗浄＋3%SDS 3～5分煮沸処理

- 1) Tateishi J, Tashima T, Kitamoto T. Inactivation of the Creutzfeldt-Jakob disease agent. *Ann Neurol*. 1988; 24:466.
- 2) Tateishi J, Tashima T, Kitamoto T. Practical methods for chemical inactivation of Creutzfeldt-Jakob disease pathogen. *Microbiol Immunol*. 1991; 35:163-166.

②アルカリ洗浄剤を用いたウォッシャーディスインフェクタ（90～93℃）洗浄＋プレバキューム式によるオートクレーブ134℃8分～10分

なお、ウォッシャーディスインフェクタを用いることができない場合には、適切な洗浄剤による十分な洗浄＋プレバキューム式によるオートクレーブ134℃18分もありうる。

- 1) WHO. *Practical guidelines for infection control in health care facilities*. WHO 8 Dec. 2003.
- 2) Yan Z, Stitz L, Heeg P, Pfaff E, Roth K. Infectivity of prion prote in bound to stainless steel wires :A model for testing decontamination procedures for transmissible spongiform encephalopathies. *Infect Control Hosp Epidemiol* 2004; 25: 280-283.
- 3) AORN. *2006 Standard, Recommended practices, and Guideline*. Denver: AORN 2006.
- 4) APIC. *APIC Text of Infection Control and Epidemiology* 2nd ed. Washington DC : APIC 2005.
- 5) DH. *The decontamination of surgical instruments with special attention to the removal of proteins and inactivation of any contaminating human prions*. 2006 Report from ESAC-Pr.
- 6) DH. *Transmissible spongiform encephalopathy agents : safe working and the prevention of infection*.
- 7) Economics, Statistics and Operational Research, Department of Health. *Assessing the risk of vCJD transmission via surgery : An interim review*. Mar 2005.
- 8) Ernst DR, Race RE. Comparative analysis of scrapie agent inactivation methods. *J Virol Methods* 1993; 41: 193-202.
- 9) Fichet G, Comoy E, Duval G, et al. Novel method for disinfection of prion-contaminated medical devices. *Lancet* 2004; 364: 521-526.
- 10) Kimberlin RH, Walker CA, Millson GC, et al. Disinfection studies with two strains of mouse-passaged scrapie agent : guidelines for Creutzfeldt-Jacob and related agents. *J Neurol Sci* 1983; 59: 355-369.
- 11) Rutala WA, Weber DJ, the Healthcare Infection Control Practices Advisory Committee. *Draft Guideline for Disinfection and Sterilization in Healthcare Facilities*.
- 12) SCENIHR. *The safety of human-derived products with regard to variant Creutzfeldt-Jacob disease*.
- 13) Taguchi F, Tamai Y, Uchida K, et al. Proposal for a procedure for complete inactivation of the Creutzfeldt-Jacob disease agent. *Arch Virol* 1991; 119: 297-301.
- 14) Taylor DM, Fraser H, McConnell I, et al. Decontamination studies with the agents of bovine spongiform encephalopathy and scrapie. *Arch Virol* 1994; 139: 313-326.
- 15) WHO. *Practical guidelines for infection control in health care facilities*. WHO 8 Dec. 2003.
- 16) WHO. *WHO infection control guideline for transmissible spongiform encephalopathies. Report of a WHO consultation, Geneva, Switzerland, 23-26 March 1999*.
- 17) Winder AF, Frei R. Decontamination, disinfection, and sterilization. In: Murry PR, et al Eds. *Manual of Clinical Microbiology*, 8th ed. Washington DC: ASM 2003; 77-108.
- 18) Fichet G, et al. Investigations of a prion infectivity assay to evaluate methods of decontamination. *J Microbiol Methods* 2007; 70: 511-518.

③軟性内視鏡については、適切な洗浄剤による十分な洗浄＋過酸化水素低温ガスプラズマ滅菌

- 1) Yan Z, Stitz L, Heeg P, Pfaff E, Roth K. Infectivity of prion protein bound to stainless steel wires :A model for testing decontamination procedures for transmissible spongiform encephalopathies. *Infect Control Hosp Epidemiol* 2004; 25: 280-283.
- 2) Fichet G, et al. Investigations of a prion infectivity assay to evaluate methods of decontamination. *J Microbiol Methods* 2007; 70: 511-518.

※ いずれも詳細な方法は、「クロイツフェルト・ヤコブ病感染予防ガイドライン」に記載