
Patients with or Suspected of Having a Transmissible Spongiform Encephalopathy (TSE)/ Creutzfeldt Jakob Disease (CJD) Management Policy

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3	03.17	18	Endoscope procedures amended	Immediate

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Include details of when the document was last reviewed:

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5	March 2021	Debbie Larkins	Policy Steering Group / Clinical Executive Group	Expiry date met – no material changes, updated EIA Appendix to new template

SUMMARY OF POLICY

Transmissible Spongiform Encephalopathies (TSEs) are rare degenerative diseases of the nervous system, which can exist in both man and animals. TSEs are believed to be found mainly in the brain and spinal cord, although lower levels may be found in some lymphoid tissues such as the spleen and tonsils. TSEs have long incubation periods which makes identification and prevention difficult in TSE-infected people or animals.

In most routine clinical contact, no additional precautions are needed for care of known, suspected or at-risk patients. However, when certain invasive interventions are performed there is potential for exposure to TSEs. In these situations, control measures are put in place to prevent iatrogenic transmission. Currently these invasive interventions are not undertaken within Solent NHS Trust.

CONTENTS

1.0	INTRODUCTION AND PURPOSE	5
2.0	SCOPE AND DEFINITION	6
3.0	PROCESS/REQUIREMENTS	6
4.0	ROLES AND RESPONSIBILITIES	12
5.0	TRAINING	13
6.0	EQUALITY IMPACT ASSESSMENT AND MENTAL CAPACITY	14
7.0	SUCCESS CRITERIA / MONITORING EFFECTIVENESS	14
8.0	REVIEW	14
9.0	REFERENCES AND LINKS TO OTHER DOCUMENTS	14
10.0	GLOSSARY	15
	Appendixes	
	Appendix I: Diagnostic criteria for CJD	16
	Appendix II: Risk assessment questionnaire	18
	Appendix III: Distribution of tissue infectivity	19
	Appendix IV: Summary of precautions advised for the use of endoscopes	20
	Appendix V: Algorithm for the management of instruments used on known suspected or at-risk patients.	21
	Appendix VI: Equality Impact Assessment	22

Patients with or Suspected of Having a Transmissible Spongiform Encephalopathy (TSE)/ Creutzfeldt Jakob Disease (CJD) Management Policy

1.0 INTRODUCTION AND PURPOSE

- 1.1. Transmissible Spongiform Encephalopathies (TSEs) are rare degenerative diseases of the nervous system, which can exist in both man and animals. TSEs are believed to be caused by the cellular prion protein, PrP, which is found mainly in the brain and spinal cord, although lower levels may be found in some lymphoid tissues such as the spleen and tonsils.
- 1.2. TSEs have long incubation periods which makes identification and prevention difficult. In TSE-infected people or animals, these proteins become altered to form an abnormally folded prion protein, which is more resistant to degradation and is associated with infectivity.
- 1.3. In most routine clinical contact, no additional precautions are needed for care of known, suspected or at-risk patients. However when certain invasive interventions are performed there is potential for exposure to TSEs. In these situations control measures are put in place to prevent iatrogenic transmission.
- 1.4. The human form of disease, known as Creutzfeldt Jakob Disease (CJD), is classified according to whether it is sporadic, inherited, or acquired:
 - **Sporadic** - this is the most common affecting approximately 60 people in the UK each year. The change in protein structure occurs spontaneously as a chance event with no known cause.
 - **Inherited or familial (genetic)** – this is very rare and results from a genetic mutation in the prion gene. There are three recognised forms of the disease: Inherited CJD, Gerstmann-Straussler-Scheinker Disease and Fatal Familial Insomnia.
 - **Acquired** - prion disease has been transmitted to people in a few very specific ways *which are outlined below*
 - **Kuru.** First identified in 1950s in Papua New Guinea. Transmitted from infected bodies as a result of the practice of ritualistic cannibalism.
 - **Iatrogenic.** All cases have involved use of or contamination with high-risk tissue as a result of a surgical or medical procedure e.g. cornea or dura mater grafts from infected donors. Other iatrogenic routes have included the use of inadequately sterilised neurosurgical instruments, and the use of human derived pituitary gonadotrophin and growth hormones.
 - **Variant CJD (vCJD).** This was first identified in 1996 and is associated with the consumption of Bovine Spongiform Encephalopathy (BSE) infected cattle. Most of the cases have been in people under 30 years of age. It differs from other forms of the disease in that the atypical protein has been found in lymphoid tissue such as the appendix and tonsils.
- 1.5. Diagnosis of CJD/vCJD is difficult and is usually not confirmed until examination of the brain after death. There is currently no non-invasive test which can diagnose CJD during the incubation period and no effective treatment.
- 1.6. This policy defines the actions that should be taken by Solent NHS Trust to reduce the transmission of TSEs and to ensure the clinical needs of patients are met.

2.0 SCOPE & DEFINITIONS

2.1 This policy applies to locum, permanent, and fixed term contract employees (including apprentices) who hold a contract of employment or engagement with the Trust, and secondees (including students), volunteers (including Associate Hospital Managers), bank staff, Non-Executive Directors and those undertaking research working within Solent NHS Trust, in line with Solent NHS Trust's Equality, Diversity and Human Rights Policy. It also applies to external contractors, agency workers, and other workers who are assigned to Solent NHS Trust.

2.2 **Decontamination:** A term used for the removal and destruction of microorganisms which then renders an item (medical device) ready for reuse and safe for staff to handle (NHS Estates, 2000).

2.3 **Endoscopy:** A procedure in which a lighted viewing instrument (endoscope) is used to look inside a body cavity or organ to diagnose or treat disorders

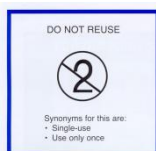
2.4 **Iatrogenic:** Induced inadvertently by the medical treatment or procedures or activity of a physician or surgeon e.g. infections acquired by the patient during the course of treatment.

2.5 **Incubation Period:** The time interval between the initial infection with an infectious agent and the appearance of the first symptom or sign of disease.

2.6 **Mutation:** This is an abnormality or fault found in genes which produces an altered code, which results in the production of abnormal proteins.

2.7 **Risk assessment:** The evaluation of an individual's personal and family history, often by using questionnaires to estimate the degree to which that person is at risk for developing certain diseases.

2.8 **Single use items:**



This is a device designated for 'single-use' and must not be reused. It should only be used on an individual patient during a single procedure and then discarded. It is not intended to be reprocessed and used again, even on the same patient. The reuse of single-use devices can affect their safety, performance and effectiveness, exposing patients and staff to unnecessary risk. The reuse of single-use devices has legal implications.

2.9 **Standard precautions:** Standard (previously known as universal) precautions are the practices adopted by all healthcare workers when potentially coming into contact with any patient's blood or body fluids. They are a set of principles designed to minimise exposure to and transmission of a wide variety of micro-organisms. Since every patient is a potential infection risk, it is essential that standard precautions are applied to all patients at all times. Such precautions involve the use of safe work practices, protective barriers, and the safe disposal of blood and body fluids.

3.0 PROCESS/REQUIREMENTS

3.1 Identifying the patient at risk

3.1.1 Infection control measures to prevent transmission to patients or staff depend on how likely the patient is to be carrying the infectious agent - **RISK CATEGORY**.

3.1.2 Symptomatic patients are categorised as **HIGH RISK**.

3.1.3 There are also a number of asymptomatic patients who have been informed that they are at increased risk of developing CJD/vCJD due to family history or iatrogenic exposure. These patients are categorised as **MEDIUM** or **LOW RISK** – see table below.

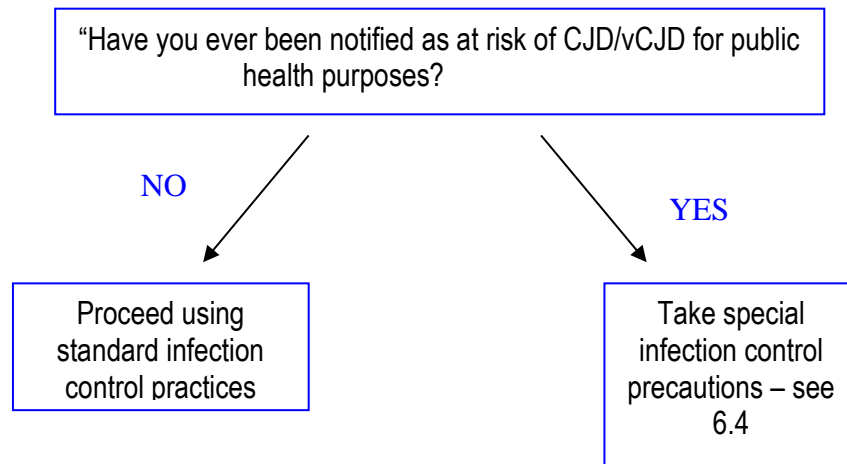
Table 1 – Categorisation of patients by risk

HIGH - 1	Symptomatic	<ul style="list-style-type: none"> • Patients who fulfil the diagnostic criteria for definite, probable or possible CJD/vCJD • Patients with neurological disease of unknown aetiology who do not fit the criteria for possible CJD or vCJD but where the diagnosis of CJD is actively being considered
MEDIUM - 2	Asymptomatic patients who are at risk from familial CJD	<ul style="list-style-type: none"> • Individuals who have had two or more blood relatives affected by CJD or other prion disease or a relative known to have a genetic mutation indicative of familial CJD • Individuals who have shown by specific genetic testing to be at significance risk of developing CJD or other TSEs
LOW - 3	Asymptomatic patients potentially at risk from iatrogenic exposure	<ul style="list-style-type: none"> • Recipients of hormone derived from human pituitary glands e.g. growth hormone, gonadotrophin • Individuals who have received a graft of dura mater (Patients who underwent neurosurgical procedures/operations for spinal tumour or cyst prior to August 1992 may have received dura mater and should therefore be treated as a risk unless there is proof that dura mater was not used • Individuals who have received an organ or tissue from a donor infected with CJD/vCJD or 'at increased risk' or CJD/vCJD • Individuals who have been identified prior to high risk surgery as having received blood or blood components from 80 or more donors since January 1980. • Individuals who have received blood from someone who went on to develop vCJD. • Individuals who have given blood to someone who went on to develop vCJD. • Individuals who have received blood from someone who has also given blood to a patient who went on to develop vCJD

		<ul style="list-style-type: none"> Individuals who have been treated with certain implicated UK sourced plasma products between 1980-2001
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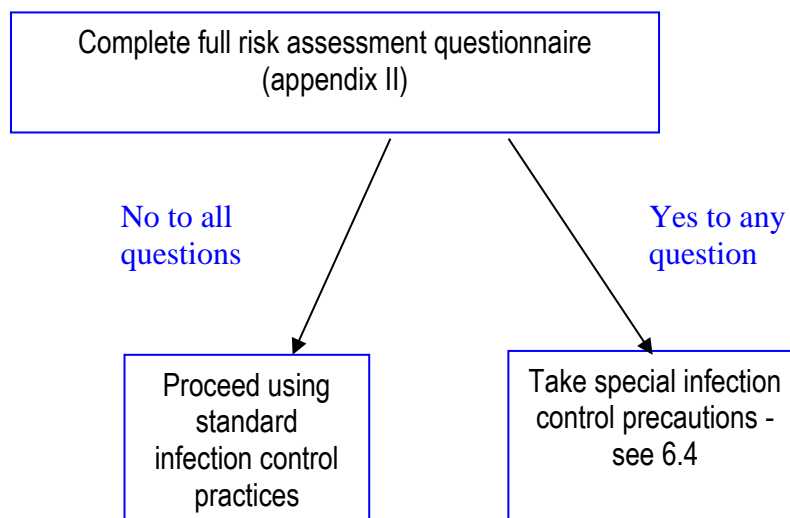
3.2 **Risk assessment of patients prior to endoscopy or surgery (Transmissible Spongiform Encephalopathy Agents: Safe working and the Prevention of Infection. Annex J Updated January 2014)**

3.2.1 **All patients about to undergo surgery or endoscopy should be asked the following question?**



Record patient’s response in notes

3.2.2 **All patients** undergoing surgery and endoscopy which may involve **HIGH RISK tissues***.



**These recommendations are applicable in particular to those assessing patients in neurosurgical and ophthalmic surgical departments.*

Tissues assumed or proven to have high level infectivity for CJD/vCJD are

Brain or spinal cord

Entire optic nerve and intracranial components of other cranial nerves

Cranial nerve ganglia

Posterior eye

Pituitary gland

- If patient is unable to respond ask family member or patients GP to answer questions. If no definitive answer and patient requires emergency endoscopy or surgery, proceed, but all instruments must be quarantined after use.
- The clinician should also check patients' medical notes and/or referral letter for any mention of CJD status.
- Consider whether there is a risk that the patient may be showing early signs of CJD/vCJD, i.e. consider whether patient may have an undiagnosed neurological disease involving cognitive impairment.
- Record patient's CJD/vCJD risk in notes.

3.3 Management of patients known, suspected or at risk of CJD/vCJD

There is no evidence that TSEs have been spread from person to person by close contact or through occupational exposure.

- There is no need to isolate the patient provided standard precautions are followed.
- The Infection Prevention Team (IPT) should be informed if the patient is going to be or has been admitted. All cases of clinically suspected CJD of any type should be reported by the clinician caring for the patient to the local Consultant, Health Protection Unit and the National CJD Research and Surveillance Unit. (NCJDRSU), Edinburgh and the National Prion Clinic (London).

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- For further advice regarding management refer to **Public Health Action following a report of a new case of CJD or a person at increased risk of CJD**: PHE Guidance January 2014

3.4 Precautionary measures for surgical procedures

3.4.1 Theatre management

- IPT must be informed BEFORE any procedure is carried out.
- Wherever appropriate procedures should be carried out in an operating theatre at the end of the list to ensure thorough cleaning of all surfaces before the next session.

- Only the minimum number of healthcare personnel should be in the theatre.
- Protective clothing should be used:
 - a liquid repellent gown over a plastic apron
 - gloves
 - Masks and goggles or a full face visor

If patient is 'symptomatic' protective clothing should be single use and disposed of in line with local policy. If the patient is 'at increased risk' the protective clothing need not be single use and may be reprocessed.
- Single use disposable surgical instruments and equipment must be used where possible and incinerated after use.
- Where practical, expensive reusable equipment e.g. drills should be protected from contamination by using shields, guards or similar protective covering which should be destroyed by incineration at the end of the operation. However in practice effective protective covering may not be feasible and therefore advice should be sought from the manufacturer.
- Drapes contaminated with cerebrospinal fluid (CSF) or other neural tissue from patients in the high and medium risk category should be incinerated.
- The facility must be to the standard set in HBN 1.

3.4.2 Management of surgical instruments

- See **Algorithm for management of surgical instruments – Appendix IV**
- *Instruments that have been used in procedures involving tissues designated as high or medium infectivity (see Appendix III), on patients with known, suspected or at risk of, CJD/vCJD should be disposed of by incineration or quarantined pending a confirmed diagnosis.*
- The options available should be discussed either with the HSDU (Hospital Sterilisation & Disinfection Unit) manager or Infection Prevention wherever possible single use instruments should be used.
- Instruments which are to be destroyed should be discarded directly into burn bins which must be sealed and sent for incineration at the end of the operation.
- Instruments to be reprocessed should be sent to Hospital Sterilisation and Decontamination Unit (HSDU) as soon as the procedure is completed.
- If the procedures involve low risk tissues (see appendix III) single use instruments should be used wherever feasible. Reusable instruments should be reprocessed within HSDU observing current best practice. When reusable instruments have to be used the HSDU manager must be informed before the operation.

3.4.3 Surface decontamination and the management of spillages

- Surfaces in contact with high risk material from definite, probable or high-risk cases should be thoroughly cleaned with detergent wipes or soap and water. Personal protective clothing must be worn. The use of high concentration sodium hypochlorite is unlikely to be practical in the ward/theatre area. It should only be considered in exceptional circumstances to clean high risk material spillages – advice should be sought from IPT. 10,000ppm rather than 20,000ppm sodium hypochlorite is recommended for practical purposes.
- Minor spillages of low risk material e.g. blood from definite, probable or high-risk cases should be dealt with according to the local spillage procedure.
- Absorbent material should be used first to deal with large spillages.
- All materials should be incinerated.

3.4.4. **Collection of blood, biopsy and CSF samples**

- If these procedures are carried out in the ward area then every effort must be made to ensure the environment is easy to clean
- Blood specimens should be collected using standard precautions as for any patient
- All lumbar punctures should be carried out wearing disposable gloves and aprons using single-use disposable instruments
- The laboratory must be informed in advance these samples are being sent

3.4.5. Linen contaminated with CSF or other neural tissue from patients in the high and medium risk category should be incinerated.

3.4.6. **Clinical Waste**

Clinical waste should be disposed of as in the following table

Diagnosis of CJD	High or medium risk tissue	Low risk tissue and body fluids*
Definite	Incinerate	Normal clinical waste disposal
Probable	Incinerate	Normal clinical waste disposal
At increased risk	Incinerate	Normal clinical waste disposal

* Tissues and material deemed to be low risk include body fluids such as urine, saliva, sputum, blood and faeces. Blood from vCJD patients is considered to be low risk except when transfused in large volumes

3.5. **Endoscopy procedures**

- Currently there is no evidence of CJD transmission due to an endoscopic procedure; the risk is probably extremely low provided scrupulous decontamination occurs between patients. Gastrointestinal endoscopy is unlikely to be a vector for the transmission of sporadic CJD because the infected material (CNS and retina) is not breached during the procedure.
- In v CJD the lymphoreticular system throughout the body may contain significant levels of infectivity during the incubation period.
- Any endoscopic procedure that breaches gut mucosa and is followed by the withdrawal of an unsheathed accessory through the working channel of an endoscope is deemed “invasive”. Procedures that cause tissue vaporisation (diathermy) are also deemed invasive.
- The performance of an “invasive” procedure in a patient with known, suspected or at risk of variant CJD, will necessitate the subsequent quarantining of the endoscope used.
- Endoscopic procedures carried out on most asymptomatic patients “at increased risk” of CJD, where contact with medium risk gut lymphoid tissue may have occurred and be decontaminated and reprocessed according to best practice.
- If a patient with suspected vCJD is inadvertently scoped, or a patient with suspected vCJD is retrospectively discovered, the instrument used should be quarantined.
- Action following a report of a new case of CJD or a person at increased risk of CJD/PHE Guidance January 2014 must be followed. Additional resources and advice can be accessed via Public Health England website.
- If vCJD is diagnosed the scope should be quarantined or sent to the National CJD Surveillance Unit for research purposes, or for dedicated use for patients known to have vCJD. If a unit keeps a quarantined endoscope, they should inform nearby units.
- It is possible to obtain special endoscopes for patients known to have vCJD from the National CJD Surveillance Unit in Edinburgh (Tel: 0131 537 1868; email elaine.lord@ed.ac.uk).

- The British Society of Gastroenterologists advise a biopsy should only be taken if absolutely necessary and then disposable biopsy forceps and port rubber cap should be used.
- Rubber valves covering the working channel must be discarded after all procedures involving the passage of biopsy forceps, guidewires and/or other accessories through the endoscope. The optimum method for decontaminating air/water and suction valves is currently under review.
- Manual cleaning is essential; the channels should be brushed through with a single use purpose-made catheter or brush tipped wire assembly that is of an appropriate length and diameter for each channel.
- Reusable accessories should only be used in situations where no single use equivalent accessory exists (e.g. oesophageal bougies) and procedures should be available for tracking each patient use in these circumstances.
- All units should have a process for tracking equipment used during each procedure in the event that a patient is subsequently suspected of having, or being at risk of, the disease.
- Rigid metal sigmoidoscopes and proctoscopes should be thoroughly cleaned and then autoclaved.
- For more detailed guidance on endoscopy refer to **Guidance from the Advisory Committee on Dangerous Pathogens and SEAC (2003) Transmissible Spongiform encephalopathy agents: Safe working and the prevention of infection Annex F (updated October 2015) and BSG Guidelines for Decontamination of Equipment for Gastrointestinal Endoscopy**

3.6 Maternity Care

- Childbirth should be managed using standard infection prevention procedures and single use instruments. The placenta and all other associated fluids and materials are designated low risk and disposed of as clinical waste.

3.7. Dental Care

- The risks of transmission of infection from dental instruments are thought to be very low provided optimal standards of infection prevention and decontamination are met.
- Instruments used on patients with known or suspected disease can be handled in the same way as those used in other low risk surgery, that is reprocessed according to best practice and returned to use – see Algorithm (Appendix IV).
- The Spongiform Encephalopathy Advisory Committee (SEAC) in 2006 recommend endodontic reamers and files were considered to be single use because these instruments cannot be reliably decontaminated. This was endorsed by the Chief Dental Officer for England in April 2007.
- In 1999 the Department of Health recommended that difficult to clean instruments which in dentistry include matrix bands should be single use.
- Dentists are reminded that any instrument labelled as ‘single use’ by the manufacturer must not under any circumstance be reused.
- Dentists are reminded that information about patients ‘at risk’ of CJD should be included in any surgical referral and recorded in their notes. Head and neck surgery may involve contact with tissues of high/medium infectivity.

3.8. Management of the Deceased Patient

- If the patient is known or suspected of having a TSE the mortuary must be informed
- Post mortem - contact lead histopathologist or mortuary for advice

3.9. Caring for the patient in the community

- No special measures over and above standard infection control precautions are necessary.

- Those caring for patients at home should be advised of the standard infection control practices that would apply to any patient.

4.0 ROLES AND RESPONSIBILITIES

4.1 The Chief Executive

The Chief Executive and Trust Board have a collective responsibility for infection prevention and control within the Trust.

4.2 Executive Directors/Managing Directors

Executive and Clinical Directors have the responsibility for the co-ordination of Health and Safety activities within the directorate and for ensuring that decisions are implemented in accordance with this policy.

4.3 The Director of Infection Prevention and Control (DIPC)/ Chief Nurse

The DIPC will have the executive authority and responsibility for ensuring strategies are implemented to prevent avoidable healthcare associated infections (HCAI) at all levels within the organisation.

4.4 Infection Prevention and Control Group (IPCG)

The Infection Prevention and Control Group has a responsibility to ensure that this Policy complies with advice and guidance from the Department of Health and other bodies.

4.5 The Infection Prevention Team

The Infection Prevention Team undertake surveillance of infections within the inpatient bedded areas, liaise with staff to support best practices. liaise with Clinical Commissioning Groups, Health Protection Unit and Public Health England as appropriate. The Infection Prevention team deliver training on this subject as required.

4.6 Managers

Managers and supervisors have a responsibility to ensure that staff are aware of their responsibilities under this Policy and associated guidelines. In addition, they must ensure that all employees within their area of responsibility comply with this Policy and associated guidelines. Where guidance is regularly changing, such as during a pandemic, it is the Managers responsibility to obtain (i.e. from Gold call or senior managers) and disseminate the information in a timely way to all staff it applies to.

4.7 Employees

All employees have a responsibility to abide by this Policy. This Policy is enforceable through Health and Safety Legislation and Solent NHS Trust Improving and Managing Conduct procedure. If employees are aware that the Policy or associated guidance is not being complied with, they must first take the issue to their line manager and if the problem is not resolved they must inform the Infection Prevention Team, an incident form must be completed.

4.8 Link Advisors

Link Advisors are healthcare staff selected by their managers to receive additional training in Infection Prevention and Control. The key role of link staff is to develop best practice within their clinical area.

5.0 TRAINING

- 5.1. No formal training is currently required. Should high risk activities commence within Solent NHS Trust training needs must be discussed with the IPT prior to introduction.

6.0 EQUALITY IMPACT ASSESSMENT AND MENTAL CAPACITY

- 6.1 An Equality Impact Assessment was conducted and no negative impact was identified. (See Appendix VI)

7.0 SUCCESS CRITERIA / MONITORING EFFECTIVENESS

- 7.1 Not currently applicable within Solent NHS Trust. Should high risk procedures be introduced services must follow this policy.

8.0 REVIEW

- 8.1 This document may be reviewed at any time at the request of either staff side or management, but will automatically be reviewed 3 years from initial approval and thereafter on a triennial basis unless organisational changes, legislation, guidance or non-compliance prompt an earlier review.

9.0 REFERENCES (AND LINKS TO OTHER DOCUMENTS)

Guidance from the Advisory Committee on Dangerous Pathogens and the Spongiform Encephalopathy Advisory Committee (2017) Transmissible spongiform encephalopathy agents: Safe working and the prevention of Infection, The Stationery Office (also available on line at <http://www.advisorybodies.doh.gov.uk/acdp/tseguidance/Index.htm>)

Public Health Action following a report of a new case of CJD or a person at increased risk of CJD : PHE Guidance January 2014 <https://www.gov.uk/government/publications/cjd-public-health-action-following-report-of-new-case-or-person-at-increased-risk>

TSE2000 HSC 1999/178. Variant Creutzfeldt Jakob Disease (vCJD): Minimising the Risk of Transmission. Department of Health. London (and <http://www.open.gov.uk/doh/coinh.htm>)

Creutzfeldt Jakob Disease: Guidance for Health Care Workers. Department of Health. London (and <http://www.doh.gov.uk/cjd/cjguidance.htm>)

Royal College of Ophthalmology Creutzfeldt – Jakob Disease and Ophthalmology <http://www.rcophth.ac.uk>

National Institute for Health and Clinical Excellence Patient safety and reduction of risk of transmission of Creutzfeldt – Jakob disease (CJD) via interventional procedures November 2006

The vCJD Working Party of the Standing Advisory Committee on Transfusion Transmitted Infections. Creutzfeldt- Jakob Disease Policy statement 5th June 2006

Department of Health. Winning Ways: Working together to reduce healthcare associated infection in England. Report from the Chief Medical Officer. 2003

Department of Health Spongiform Encephalopathy Advisory Committee (SEAC): Position statement of vCJD and endodontic dentistry 2006.

Department of Health: Potential vCJD transmission risk via dentistry: an interim review Dec 2007

Health Building Note 13 (HBN) Sterile Services Departments, NHS Estates Publications

10.0 GLOSSARY

BSE Bovine Spongiform Encephalopathy

CNS Central Nervous System

EEG Electroencephalogram

HBN Health Building Note

IPT Infection Prevention Team

MRI Magnetic Resonance Imaging

PHE Public Health England

HSDU Hospital Sterilisation and Disinfection Unit

PrP Prion Protein

SEAC Department of Health Spongiform Encephalopathy Advisory Committee

TSE Transmissible Spongiform Encephalopathies

vCJD Variant Creutzfeldt Jakob Disease

CSF Cerebrospinal Fluid

Appendix I

Diagnostic Criteria for CJD

Cases should be classified by a neurologist from the National CJD Surveillance Unit on an on-going basis. It is recorded at four key stages.

- At notification
- When the patient is first seen by the neurologist
- The highest classification on the sole basis of clinical information – not including neuropathological information
- When the Surveillance Unit review is completed

Sporadic CJD

Definite	Neuropathological/ immunocytochemical confirmation needed
Probable	Rapidly progressive dementia with at least two of the following symptoms <ul style="list-style-type: none"> • Myoclonus • Visual or cerebellar problems • Pyramidal or extrapyramidal features • Akinetic mutism Plus typical EEG with generalised triphasic periodic complexes at approx 1 per second Or clinical criteria for possible sporadic CJD and a positive assay for 14-3-3 protein in the CSF
Possible	Rapid progressive dementia with two of the above symptoms and a duration of less than 2 years

Variant CJD

Definite	Progressive neuropsychiatric disorder and neuropathological confirmation of the disease showing spongiform change and extensive PrP ^c deposition with florid plaques throughout the cerebrum and cerebellum
Probable	Can be classified under two sets of criteria: <ol style="list-style-type: none"> 1) Progressive neuropsychiatric disorder of longer than 6 months where routine investigations do not suggest an alternative diagnosis. Must have at least four of the following symptoms <ul style="list-style-type: none"> • Early psychiatric symptoms – depression, anxiety, apathy, withdrawal, delusions • Persistent painful sensory symptoms • Ataxia • Myoclonus or chorea or dystonia • Dementia EEG does not show the typical appearance of sporadic CJD AND there is a symmetrical high signal in the posterior thalamus on a MRI brain scan. There is no history of potential iatrogenic exposure 2) Progressive neuropsychiatric disorder of longer than 6 months where routine investigations do not suggest an alternative diagnosis. There is no history of potential iatrogenic exposure A tonsil biopsy is positive for PrP-res
Possible	Progressive neuropsychiatric disorder of longer than 6 months – routine investigations do not suggest an alternative diagnosis. Must have at least four of the following symptoms <ul style="list-style-type: none"> • Early psychiatric symptoms – depression, anxiety, apathy, withdrawal, delusions

	<ul style="list-style-type: none"> • Persistent painful sensory symptoms • Ataxia • Myoclonus or chorea or dystonia • Dementia <p>EEG does not show the typical appearance of sporadic CJD</p>
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The CJD unit have three additional categories for patients who have been referred to the unit but do not meet the criteria for *possible* CJD

Diagnosis unclear

The diagnostic criteria are not met BUT there is no reasonable alternative diagnosis therefore CJD remains a possibility

CJD thought unlikely

Patient has atypical disease features/ atypical course/atypical clinical investigation results and/or a reasonable alternative diagnosis is made but not confirmed

Definitely not CJD

CJD is not the diagnosis and there is alternative definite diagnosis proven on the basis of clinical examination or investigation

Appendix II

Risk Assessment Questionnaire

<p>1. Have you any history of neurological disease in your family e.g. CJD or other prion disease?</p>	<p>Notes to clinician Patients should be considered to be at risk from familial CJD if they have or have had</p> <ul style="list-style-type: none">• Genetic testing, which has indicated they are at significant risk of developing CJD or other prion disease• A blood relative is known to have a genetic mutation of indicative of familial CJD• Two or more blood relatives affected by CJD or other prion disease
<p>2. Have you ever received growth hormone or gonadotrophic treatment? If yes, was this in the UK before 1985 or did you receive this abroad?</p>	<p>Notes to clinician Recipients of hormone derived from human pituitary glands e.g. growth hormone or gonadotrophin have been identified as potentially at risk of CJD. In the UK, the use of human growth hormone was stopped in 1985 but human-derived products may have been continued to be used in other countries</p>
<p>3. Did you have surgery on your brain or spinal cord before August 1992?</p>	<p>Notes to clinician People who underwent neurosurgical procedures or operations for a tumour or cyst of the spine before August 1992 may have had a graft of dura mater and should be treated as at risk unless there is evidence dura mater was not used</p>

Appendix III

Distribution of Tissue Infectivity TSE Agents: Safe working and Prevention of Infection Annex A1 (updated 2012/2015)

Tissue Infectivity Levels		
High	Medium	Low
Brain	Olfactory epithelium	Anterior eye and cornea
Spinal cord	Spinal ganglion	Peripheral nerve
Dura mater		Dental pulp
Cranial nerves	Variant CJD only	Gingival tissue
Cranial ganglia	Tonsil	Blood and bone marrow
Posterior eye procedures *	Appendix	CSF
Neuroendoscopy	Spleen and thymus	Placenta
Pituitary gland	Adrenal gland	Urine
	Other lymphoid tissues	Other tissues

* Posterior segment eye surgery is defined as any surgery or procedure that involves potential contact with the posterior hyaloid face, retina, retinal pigment epithelium, choroid, subretinal fluid and optic nerve

Appendix IV: Summary of Precautions Advised for the Use of Endoscopes

(Annex F Revised and updated 2014))

A) Remove from use or Quarantine

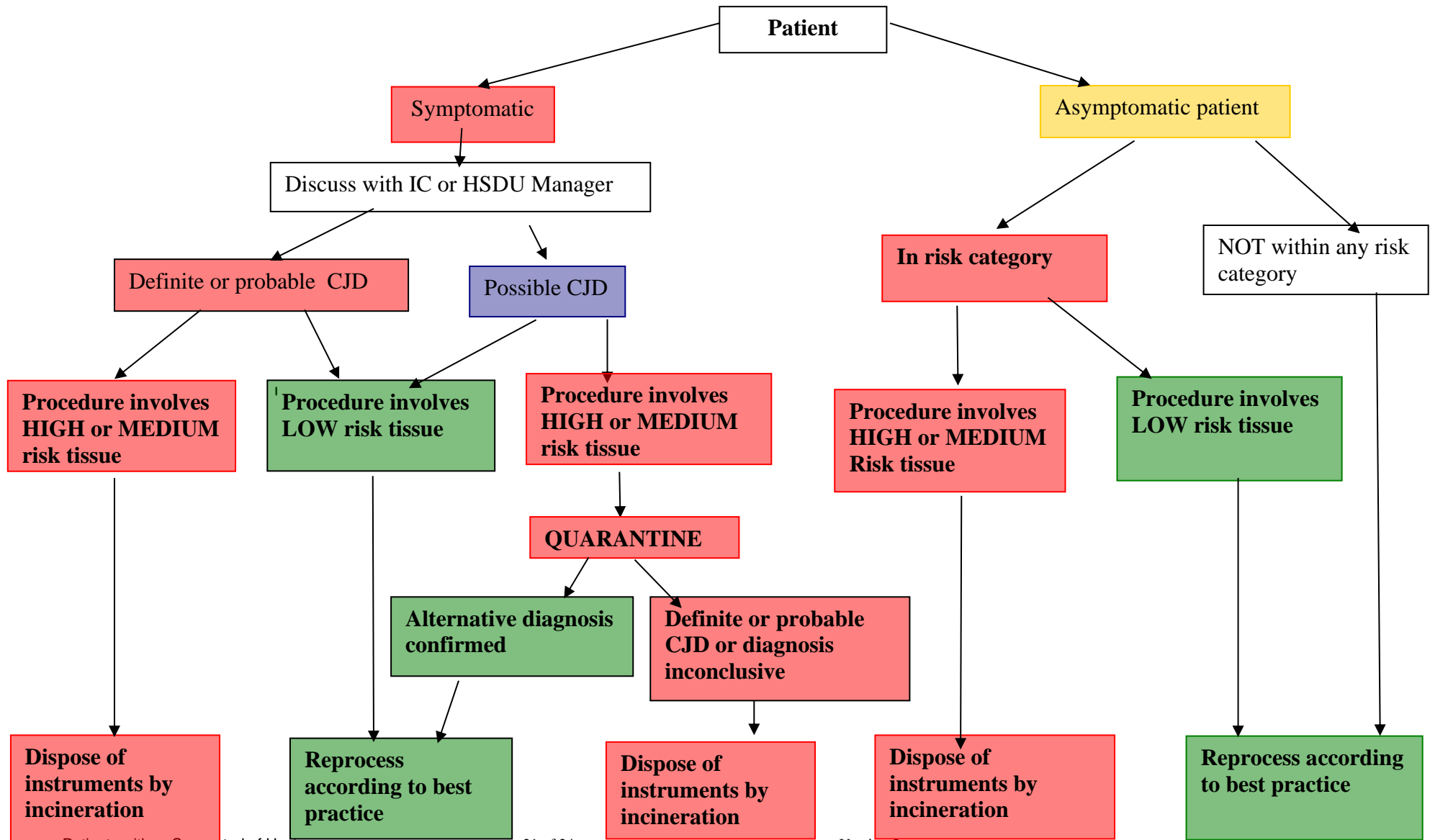
- 1) Endoscopes used for certain procedures in the CNS or nasal cavity in patients with definite CJD/vCJD, asymptomatic patients at risk of CJD/vCJD or unknown diagnosis
- 2) Gastrointestinal endoscopes used for “invasive procedures” in patients with symptoms consistent with vCJD
- 3) Gastrointestinal endoscopes used for “invasive procedures” in patients at increased risk of vCJD because they have received blood products from a donor who went on to develop vCJD

B) Reprocess according to Best Practice

- 1) Gastrointestinal endoscopes used for inspection, in the absence of “invasive procedures” is considered to be a low risk procedure
- 2) Gastrointestinal endoscopes used for “invasive procedures” in asymptomatic patients at increased risk of vCJD excluding those at increased risk because they have received blood products from a donor who went on to develop vCJD.

An invasive procedure is an endoscopic procedure that breaches gut mucosa and is followed by the withdrawal of an unsheathed accessory through the working channel

Appendix V: Algorithm for the Management of Instruments on known, Suspected or at Risk Patients



Appendix VI

Equality Analysis and Equality Impact Assessment

Equality Analysis is a way of considering the potential impact on different groups protected from discrimination by the Equality Act 2010. It is a legal requirement that places a duty on public sector organisations (The Public Sector Equality Duty) to integrate consideration of Equality, Diversity and Inclusion into their day-to-day business. The Equality Duty has 3 aims, it requires public bodies to have due regard to the need to:

- **eliminate unlawful discrimination**, harassment, victimisation and other conduct prohibited by the Equality Act of 2010;
- **advance equality of opportunity** between people who share a protected characteristic and people who do not;
- **foster good relations** between people who share a protected characteristic and people who do not.

Equality Impact Assessment (EIA) is a tool for examining the main functions and policies of an organisation to see whether they have the potential to affect people differently. Their purpose is to identify and address existing or potential inequalities, resulting from policy and practice development. Ideally, EIAs should cover all the strands of diversity and Inclusion. It will help us better understand its functions and the way decisions are made by:

- **considering the current situation**
- **deciding the aims and intended outcomes of a function or policy**
- **considering what evidence there is to support the decision and identifying any gaps**
- **ensuring it is an informed decision**

Equality Impact Assessment (EIA)

Step 1: Scoping and Identifying the Aims

Service Line / Department	Corporate / Infection Prevention	
Title of Change:	Review of TSE CJD Policy	
What are you completing this EIA for? (Please select):	Policy	<i>(If other please specify here)</i>
What are the main aims / objectives of the changes	Ensure policy is compliant with clinical requirements	

Step 2: Assessing the Impact

Please use the drop-down feature to detail any positive or negative impacts of this document /policy on patients in the drop-down box below. If there is no impact, please select "not applicable":

Protected Characteristic	Positive Impact(s)	Negative Impact(s)	Not applicable	Action to address negative impact: <i>(e.g. adjustment to the policy)</i>
Sex			N/A	
Gender reassignment			N/A	
Disability	Yes			
Age	Yes			
Sexual Orientation			N/A	
Pregnancy and maternity	Yes			

Marriage and civil partnership			N/A	
Religion or belief			N/A	
Race			N/A	

If you answer yes to any of the following, you MUST complete the evidence column explaining what information you have considered which has led you to reach this decision.

Assessment Questions	Yes / No	Please document evidence / any mitigations
In consideration of your document development, did you consult with others, for example, external organisations, service users, carers or other voluntary sector groups?)	Yes	Infection Prevention Group chaired by DIPC. Consultant Microbiologist PHU
Have you taken into consideration any regulations, professional standards?	Yes	Health and Social Care Act 2010

Step 3: Review, Risk and Action Plans

How would you rate the overall level of impact / risk to the organisation if no action taken?	Low	Medium	High
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
What action needs to be taken to reduce or eliminate the negative impact?	Make policy accessible for all clinical staff on Solnet		
Who will be responsible for monitoring and regular review of the document / policy?	Head of Infection Prevention		

Step 4: Authorisation and sign off

I am satisfied that all available evidence has been accurately assessed for any potential impact on patients and groups with protected characteristics in the scope of this project / change / policy / procedure / practice / activity. Mitigation, where appropriate has been identified and dealt with accordingly.

Equality Assessor:	D Larkins	Date:	03.03.21
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Additional guidance

Protected characteristic	Who to Consider	Example issues to consider	Further guidance
1. Disability	A person has a disability if they have a physical or mental impairment which has a substantial and long term effect on that person's ability to carry out normal day today activities. Includes mobility, sight, speech and language, mental health, HIV, multiple sclerosis, cancer	<ul style="list-style-type: none"> • Accessibility • Communication formats (visual & auditory) • Reasonable adjustments. • Vulnerable to harassment and hate crime. 	Further guidance can be sought from: Solent Disability Resource Group
2. Sex	A man or woman	<ul style="list-style-type: none"> • Caring responsibilities • Domestic Violence • Equal pay • Under (over) representation 	Further guidance can be sought from: Solent HR Team
3 Race	Refers to an individual or group of people defined by their race, colour, and nationality (including citizenship) ethnic or national origins.	<ul style="list-style-type: none"> • Communication • Language • Cultural traditions • Customs • Harassment and hate crime • "Romany Gypsies and Irish Travellers", are protected from discrimination under the 'Race' protected characteristic 	Further guidance can be sought from: BAME Resource Group
4 Age	Refers to a person belonging to a particular age range of ages (eg, 18-30 year olds) Equality Act legislation defines age as 18 years and above	<ul style="list-style-type: none"> • Assumptions based on the age range • Capabilities & experience • Access to services technology skills/knowledge 	Further guidance can be sought from: Solent HR Team
5 Gender Reassignment	" The expression of gender characteristics that are not stereotypically associated with ones sex at birth" World Professional Association Transgender Health 2011	<ul style="list-style-type: none"> • Tran's people should be accommodated according to their presentation, the way they dress, the name or pronouns that they currently use. 	Further guidance can be sought from: Solent LGBT+ Resource Group
6 Sexual Orientation	Whether a person's attraction is towards their own sex, the opposite sex or both sexes.	<ul style="list-style-type: none"> • Lifestyle • Family • Partners • Vulnerable to harassment and hate crime 	Further guidance can be sought from: Solent LGBT+ Resource Group
7 Religion and/or belief	Religion has the meaning usually given to it but belief includes religious and philosophical beliefs, including lack of belief (e.g Atheism). Generally, a belief should affect your life choices or the way you live for it to be included in the definition. (Excludes political beliefs)	<ul style="list-style-type: none"> • Disrespect and lack of awareness • Religious significance dates/events • Space for worship or reflection 	Further guidance can be sought from: Solent Multi-Faith Resource Group Solent Chaplain
8 Marriage	Marriage has the same effect in relation to same sex couples as it has in relation to opposite sex couples under English law.	<ul style="list-style-type: none"> • Pensions • Childcare • Flexible working • Adoption leave 	Further guidance can be sought from: Solent HR Team
9 Pregnancy and Maternity	Pregnancy is the condition of being pregnant or expecting a baby. Maternity refers to the period after the birth and is linked to maternity leave in the employment context. In non-work context, protection against maternity discrimination is for 26 weeks after giving birth.	<ul style="list-style-type: none"> • Employment rights during pregnancy and post pregnancy • Treating a woman unfavourably because she is breastfeeding • Childcare responsibilities • Flexibility 	Further guidance can be sought from: Solent HR team