

Non-Invasive Ultrasound Transducer Disinfection Guidelines

Invasive Ultrasound Transducer Disinfection Guidelines

Non-Invasive Ultrasound Transducer

Applied to skin and does not penetrate inside the body

Diagnostic Ultrasound

 Transthoracic Echo,
Musculoskeletal, Vascular,
Abdominal

Transducer should be cleaned and then disinfected with a **minimum** of

 **Low Level Disinfection**¹

Ultrasound Guided Percutaneous Procedure

 Vascular access, injection,
aspiration, biopsy

Transducer should be cleaned and then disinfected with a **minimum** of

 **Low Level Disinfection**¹

Sterile transducer cover and gel to maintain aseptic technique

Surgical aseptic technique²

 Central venous catheter,
Regional nerve catheter

Standard aseptic technique²

 Peripheral vascular catheter,
Tissue biopsy or aspiration,
Therapeutic injection

¹ A higher level of disinfection may be required where a documented risk assessment identifies an increased risk of pathogen transmission or infection that is not adequately mitigated by low-level disinfection.

² For advice on infection prevention measures for different procedures refer to the Australian Guidelines for the Prevention and Control of Infection in Healthcare.

Invasive Ultrasound Transducer

Penetrates inside the body, either through a body orifice or through the surface of the body (open wound)

Transducer to be applied to:

Sterile Tissue

 Vascular system,
normally sterile body area

Transducer should have been cleaned **and**

 **Sterilised**¹

Surgical aseptic technique²

Non-sterile Tissue

 Transoesophageal Echo,
Transvaginal, Transrectal, open
wounds

Transducer should be cleaned and then disinfected with a **minimum** of

 **High Level Disinfection**¹

Standard precautions²

Sterile transducer cover
Sterile single use gel

¹ In accordance with requirements outlined in AS5369:2023

² Refer to the Australian Guidelines for the Prevention and Control of Infection in Healthcare