

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

Ultrasound Guided Percutaneous Procedure

Vascular access, injection,
aspiration, biopsy

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

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Low Level Disinfection

Low Level Disinfection¹

Sterile transducer cover and gel to maintain aseptic technique

Surgical aseptic technique²

Central venous catheter,
Regional nerve catheter

Standard aseptic technique

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

Non-sterile Tissue

Transoesophageal Echo,
Transvaginal, Transrectal, open
wounds

Transducer should be cleaned **and**

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

Sterilised¹

High Level Disinfection¹

Surgical aseptic technique²

Standard precautions

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