

Suppl. I: Checklist for ADC-observation. This table shows the individual process steps in chronological order as well as the observation and evaluation criteria of the ADC. Optional process parameters were defined, which became necessary depending on the selected procedure for dressing change. One person alone can perform dressing changes, either by creating an aseptic storage area by using a disinfected area or by spreading a sterile cloth. Wipe disinfection of the work surface must then also be performed at the end of the dressing change. For dressing changes involving several people, it is possible for the dressing material to be opened and applied by another person with disinfected hands. In this case, the points about creating aseptic storage area and wipe disinfection at the end of the process could be omitted. Necessary steps in hand hygiene were highlighted.

**Checklist dressing Change**

sheet-no.: \_\_\_\_\_

observer-ID: \_\_\_\_\_

date: \_\_\_\_\_

professional group:

female  male

ward:

Phase of ADC	Dressing procedure	Observation steps	Evaluation
Preparation of dressing change	<b>Hand disinfection before preparation of dressing change equipment</b> (if watches or jewellery are worn on the hands or wrists hand disinfection was not considered, to be carried out sufficiently)	1. <b>first hand disinfection</b>	<input type="checkbox"/> no <input type="checkbox"/> yes
	Creation of an aseptic storage area*: <ul style="list-style-type: none"> <li>cover the dressing trolley with a sterile cloth or disinfect the surface of the trolley or areas close to the patient*</li> <li>Using aseptic tray (isolation room)*</li> </ul> This item is not required, if another person handed out the wound dressing material.	2. Creation of an aseptic storage area	<input type="checkbox"/> no <input type="checkbox"/> yes <input type="checkbox"/> not required
	Taking the dressing material off dressing trolley with disinfected hands		For evaluation see point 9 of observation steps
	Unwrap sterile medical products and prepare the required utensils on the sterile surface		For evaluation see point 8 of observation steps
	<b>Hand disinfection immediately before aseptic dressing change</b> (unclean phase)	3. <b>second hand disinfection</b>	<input type="checkbox"/> no <input type="checkbox"/> yes
	Put on low-germ gloves *	4. put on low-germ gloves	<input type="checkbox"/> no <input type="checkbox"/> yes
Unclean phase	Removal of the old wound dressing without contamination of the wound and patient environment	5. removal of the old dressing without contamination of the wound and environment	<input type="checkbox"/> no <input type="checkbox"/> yes
	Dispose of the old dressing in the waste bin provided		For evaluation see also point 12 of observation steps
	<b>Hand disinfection before clean phase</b> (only necessary if it is the first dressing change after surgery or when a wound with discharge is present (non-dry wound) and release of glove disinfection between unclean and clean phase of dressing change as permitted hand disinfection)	6. <b>third hand disinfection</b>	<input type="checkbox"/> no <input type="checkbox"/> yes <input type="checkbox"/> not required
Clean phase	Cleaning of the wound in non-touch technic (with low-germs gloves and sterile tweezers or with sterile gloves)*	7. Cleaning of the wound	<input type="checkbox"/> no <input type="checkbox"/> yes <input type="checkbox"/> not required
	Usage of uncontaminated wound dressing material	8. dressing material was removed from the dressing trolley with <b>disinfected hands</b> (can occur at various points)	<input type="checkbox"/> no <input type="checkbox"/> yes
		9. handing out the dressing wound material directly by another person (not deposited on the storage area)*	<input type="checkbox"/> no <input type="checkbox"/> yes
		10. handing out the dressing wound material with disinfected hands*	<input type="checkbox"/> no <input type="checkbox"/> yes
application of sterile dressing material without contamination	11. application of sterile dressing material without contamination	<input type="checkbox"/> no <input type="checkbox"/> yes	
Post-processing	Dispose of waste, instruments and filing cloth	12. disposal of dressing material in appropriate waste	<input type="checkbox"/> no <input type="checkbox"/> yes
	wipe disinfection of aseptic storage area*	13. wipe disinfection	<input type="checkbox"/> no <input type="checkbox"/> yes <input type="checkbox"/> not required
	Doffing gloves and <b>hand disinfection after aseptic dressing change</b>	14. <b>fourth hand disinfection</b>	<input type="checkbox"/> no <input type="checkbox"/> yes
		15. interruption of the hygienic dressing change process. (interruption includes any type of interruption in which the person performing the dressing change interrupts his activity)	<input type="checkbox"/> yes reason:
		16. Number of persons involved	

\*optional process steps