## Disinfection and cleaning plan including skin protection plan for dental surgeries



		with DGUV Regulation 1 (German Statutory Accident Insurance Association), TRBA 250 and Section 36 of the German Infectious Diseases Protection Act  What?  With what?					\	\
	VVIICIÇ The object to be maintained	Type of maintenance	Work materi	rials (e.g. disinfect ration, dosage, i	ctants, VAH <sup>4</sup> -li	isted),	When? Timing, frequency, sequence of hygiene measures	Name and signature of the person responsible
	Instruments and aids for  general, preventive, restorative or orthodontic treatments, such as impression trays, trays, cassettes, tablets, glasses, suction cannulas or detachable suction couplings  surgical, periodontal or endodontic treatments, e.g. syringes, forceps, levers  Rotating or oscillating instruments for  general, preventive, restorative or orthodontic treatments, e.g. polishers, drills, milling tools, grinders, finishing burs  surgical, periodontal or endodontic treatments, e.g. endodontic/periodontal instruments and surgically	Instrument reprocessing:  1. Proper preparation of the reprocessing and contamination-proof transport to the reprocessing location  2. Removal of coarse organic soiling with cellulose  3. Cleaning and disinfection  3.1. Wet-chemical:  • Immersion of the instruments (disassembled or with joints opened), bubble-free, covered inside and out, in a disinfecting and cleaning solution, mechanical cleaning (ultrasonic bath if needed) intermediate rinsing with water  • Chemical disinfection, rinsing after the end of the reaction time with suitable water, drying  3.2. Machine:  • In a washer-disinfector: disinfect, clean and dry in accordance with the manufacturer's information  4. Check for cleanliness, integrity, if needed repeat step 3  5. Identification  6. Care and maintenance  7. Function test  8. Labelling (as required)  9. Steam sterilisation with an effective and validated procedure:  9.1. Non-critical instruments*; steam sterilisation not required	ID 212 ID 212 forte ID 213 ID 220 100'	2% / 60 min % / 1 min  For general and	d surgical instru 212, ID 212 ater) 15², 2% (20 r truments: 220, undilute 15², 2% (20 r	forte, ID 213, nl/l water), d	Processing is performed directly after the treatment, taking into account the risk assessment and classification of the medical devices	Instruments
	rotating instruments  Transmission instruments	<ul> <li>9.2. Semi-critical instruments**; unpackaged on trays, sieve trays, tablets, stands, bowls, etc. or packed in sterile product packaging in accordance with EN 868</li> <li>9.3. Critical instruments***; packaged in sterile product packaging in accordance with EN 868</li> <li>10. Documented release of the medical devices for use</li> <li>11. Contamination-proof storage, storage time in accordance with EN 868</li> <li>Processing is performed in the same way as for the</li> </ul>		Program: Temperature/h Steam steriliser Program: Temperature/h FD 322 premi	: <b>Hygoclave</b> sold time:	ndiluted,	before the disinfection, not over 6 hrs.	
	for general, preventive, restorative, orthodontic, surgical, periodontal and endodontic treatments, e.g. turbine, hand and angle pieces  Auxiliary devices with/without leakage of fluids and/or air or particles, e.g. dental clearance equipment, powder jet equipment, intraoral camera, etc.	instruments described above (steps 3 and 9 according to the manufacturer information)  External: wipe disinfection and cleaning  Interior: cleaning Care (lubrication of interior parts)  Automated processing:  Disinfection/cleaning e.g. in a washer-disinfector Internal cleaning and maintenance of internal parts	9.33. 9.33. 19.33. 19.33.	1 min. in accor FD 333 wipes accordance wi FD 333 forte 1 min. in accor FD 350, FD 35 undiluted, 1 mi Unit: Program: Temperature/ho	s, undiluted, 1 th VAH <sup>4</sup> premium wip dance with VA 50 green disi n. in accordan	min. in  pes, undiluted,  H <sup>4</sup> infecting wipes,	After every treatment and after contamination	
								Surfaces
20	Surfaces and floors in examination and treatment rooms (e.g. treatment unit, devices, cabinets)	Disinfect and clean surfaces with a mopping and wiping disinfection procedure (using an appropriate wet wiping method). No rinsing or wiping dry before the end of the reaction time. Re-use the surfaces when they are visibly dry.	1930 1930 1931	FD 300, 1% (1 15 min. acc. to FD 312 <sup>3</sup> , 1% ( 15 min. acc. to FD 312 wet w 15 min. acc. to FD multi wipe FD multi wipe FD multi wipe	VAH <sup>4</sup> 10 ml/l water, VAH <sup>4</sup> vipes <sup>3</sup> , undilute VAH <sup>4</sup> es, FD multi was green,	ed, ipes compact,	Every working day (e.g. at the end of the treatment day), additionally as required	Cleaner
	Objects and surfaces near the patient that have been contaminated and cannot be disinfected thermally or by immersion in solutions (e.g. treatment unit, devices, work surfaces, equipment parts, X-ray equipment, lamp handles, intraoral film shells)	Wiping with quick disinfectants Limit spray disinfection to areas that cannot be reached by wipe disinfection.  Ensure complete wetting, comply with reaction time, allow to dry  Cleaning and care (e.g. treatment chair)		wipes, undiluted FD 360 cleaning	green, compact gree ed, 1 min. in acco	n nordance cordance in accordance min. in 22 top wipes, in accordance ipes, undiluted, 1 min. in coting wipes, with VAH <sup>4</sup> D 366 sensitive radance with VAH <sup>4</sup>	In the treatment area after every treatment and after contamination  As required	
	Skin protection plan Skin, when affected by	Requirements are an easily accessible hand-washing station with warm and appropriate skin care products as well as single-use towels. No jewellery, we Cleaning hands:			or forearms.		the skin, hand disinfectant and  Before starting work, after finishing	Skin & hands All employees
A	<ul> <li>water-soluble working materials, such as disinfectants, cleaning agents, X-ray development chemicals</li> <li>non water-soluble materials, such as organic solvents, petroleum ether</li> <li>accumulation of moisture and softening of skin (maceration), e.g. when wearing gloves</li> </ul>	Under running water with gentle liquid soap from a dispenser, dry with single-use towels  Skin protection and care: Apply carefully between fingers, paying special attention to fingernail folds and the back of the hands		HD 435 single direct dispense Protection emul Preparation:	г	n	work, in case of visible soiling, before meals, following every visit to the toilet, after sneezing, blowing one's nose or coughing	
	Skin, in the event of non-physiological colonisation with e.g. bacteria, fungi, viruses	Hygienic hand disinfection: Hand disinfectant in accordance with the rub-in process CEN/EN 1500 to be rubbed in until dry. Hands must be air-dry before putting on the medical single-use gloves.  Surgical hand disinfection: Wash hands and forearms to the elbow for 1 minute, brushing fingernails and nail folds if required. Moisten hands and forearms completely by rubbing in the hand disinfectant solution in portions (with the rub-in method as per EN 12791) and keep them moist during the reaction time. Hands must be air-dry before putting on sterile medical single-use gloves.	1000 mm	HD 410, at least HD 410, at least 1.5 min. acc. to	ast 10 ml,	c. acc. to VAH <sup>4</sup>	Before preparing for work, before and after each treatment, after interruptions in treatment, after workstation maintenance, before putting on or taking off gloves  Before extensive dental-surgical or oral-surgical procedures, before all dental-surgical or oral-surgical procedures on patients with an increased risk of infection	All employees
	Suction unit, suction hoses (internal)	Cleaning by aspirating a water-air mix, especially when blood has been aspirated		Cold water (at	least 1/2 litre)	)	After every treatment	Special areas
	Spittoon (internal)	Disinfection: slow suction of a mix of air and disinfection/cleaning solution      Cleaning: removal of deposits (calcium, bacterial contamination,		1) Orotol® plu 5 min. acc. Orotol® plu 30 min. acc Orotol® ult 5 min. acc.	n OroCup Mix ss, 2% (20 ml/ to VAH <sup>4</sup> ss pH 7, 2% (2 . to VAH <sup>4</sup> ra, 1% (10 g/ to VAH <sup>4</sup>	and suction off (I water), 20 ml/I water), (I water),	before each disinfection or cleaning  1) 1 to 2 times per day, minimum at the end of the working day	
	Filter Amalgam separator	salts from jet-stream equipment)  3) Disinfection and cleaning of the spittoon	2a) MD 555 cleaner orgi MD 555 cleaner orgi MD 555 cleaner orgi MD 555 cleaner orgi	5% (50 m ganic 5% (50 m r 5% (50 m	nl/I water) nl/I water) nl/I water) nl/I water) nl/I water) nl/I water)	Contact time 30–120 min 30–120 min 5–15 min 5–15 min	<ul> <li>2a) at least 2 times per week, prior to the lunch break</li> <li>2b) 5 times weekly, preferably before the start of treatment</li> <li>3) Additionally as required</li> </ul>	
		Filter change or cleaning in accordance with the manufacturer's specifications  Replacement/draining of the collecting container and disposal of the		Use PPE (perso	ontaminated p		Use PPE As required As required	
	Suction hoses (external) etc.  Spittoon (internal and external)	separated material in accordance with the manufacturer's information  Disinfection and cleaning through wiping	79.332 79.333 79.333 79.339		green, compact gree ad, 1 min. in acc add add add add add add add add add	nordance with cordance with in accordance min. in 22 top wipes, in accordance ipes, undiluted,	After every treatment	
1	Impressions e.g. alginates, silicones, polyether rubber, hydrocolloids, polysulphides, etc. as well as	Disinfection and cleaning with  Automated procedures: in accordance with the manufacturer's specifications	MADO WEZ	Device/manufo Hygojet Preparation: MD 520, undi		cc. to VAH <sup>4</sup>	After removal from mouth prior to transport to dental laboratory after receiving from dental laboratory	
400 pp	workpieces and equipment e.g. prostheses, bridges, etc., plaster models, bite registrations and bite plates made of wax, shellac or plastics, as well as articulators, occluders, fixators, face bows and more.  Objects with acid-soluble	Wet-chemical procedures: Disinfection and cleaning by soaking in solution, after the advised reaction time rinse under running water and air dry if necessary  Cleaning	Albata, ed pire	MD 520, undi		cc. to VAH⁴	As required	
	coatings e.g. cement, calculus, oxide film, flux residues	(e.g. in an ultrasonic bath)	1	·				
30	Objects with coatings of plaster or alginate	Cleaning (e.g. in an ultrasonic bath)	and the	MD 535, undi	luted		As required	
The state of								
	Oral antisepsis	Rinse the oral cavity or soak swabs with antiseptic to reduce germs in the oral cavity of the patient and to safeguard the surgery team against infection at the same time	Lunor	Preparation, do Lunos® Dental undiluted (20 n	l rinse,		Before surgical procedures, for patients with an increased risk of infection	Miscellaneous Patient
	Oral antisepsis  Practice laundry  Textile practice clothing, professional clothing, towels, wiping cloths, etc.	the oral cavity of the patient and to safeguard the surgery team against		Lunos® Denta	I rinse, nl), 1 min. acturer: /temperature:		for patients with an increased risk	

\* Non-critical medical devices: medical devices that merely come into contact with intact skin

\*\* Semi-critical medical devices: medical devices that come into contact with mucosa or pathologically affected skin

\*\*\* Critical medical devices: medical devices that penetrate skin or mucosa and come into contact with blood, internal tissue or organs

(including wounds) in the process, and medical devices for application of blood, blood products and sterile drugs. Patients suffering from

or thought to suffer from clinical conditions of transmittable spongiform encephalopathy (CJK, vCJK etc.) are to be treated in institutions
that are sufficiently equipped to prevent infection. The reprocessing of reusable instruments and materials must only be performed in institutions
with an externally certified quality management system in accordance with DIN EN ISO 13485/13488.

For further information, refer to the product information leaflets available on the Internet.
 In accordance with EN 13727, EN 13624, EN 14561, EN 14562
 Use disinfectants safely. Always read the label and product information before use.
 VAH-listed: bactericidal/yeasticidal

This disinfection and cleaning plan was provided by DÜRR DENTAL SE  $\cdot$  Höpfigheimer Str. 17

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## Disinfection and cleaning plan including skin protection plan for dental surgeries



in accordance with DGUV Regulation 1 (German Statutory Accident Insurance Association), TRBA 250 and Section 36 of the German Infectious Diseases Protection Act

What? The object to be maintained	How? Type of maintenance		When? Timing, frequency, sequence of hygiene measures	Name and signature of the person responsible
Instruments and aids for  • general, preventive, restorative or orthodontic treatments, such as impression trays, trays, cassettes, tablets, glasses, suction cannulas or detachable suction couplings  • surgical, periodontal or endodontic treatments, e.g. syringes, forceps, levers  Rotating or oscillating instruments for  • general, preventive, restorative or orthodontic treatments, e.g. polishers, drills, milling tools, grinders, finishing burs  • surgical, periodontal or endodontic treatments, e.g. endodontic/periodontal instruments and surgically rotating instruments	Instrument reprocessing:  1. Proper preparation of the reprocessing and contamination-proof transport to the processing location  2. Removal of coarse organic soiling with cellulose  3. Cleaning and disinfection  3.1. Wet-chemical:  • Immersion of the instruments (disassembled or with joints opened), bubble-free, covered inside and out, in a disinfecting and cleaning solution, mechanical cleaning (ultrasonic bath, if needed) intermediate rinsing with water  • Chemical disinfection, rinsing after the end of the reaction time with suitable water, drying  3.2. Mechanical:  • In a washer-disinfector: disinfect, clean and dry in accordance with the manufacturer's information  4. Check for cleanliness, integrity, if needed repeat step 3  5. Identification  6. Care and maintenance  7. Function test  8. Labelling (As required)  9. Steam sterilisation with an effective and validated procedure:  9.1. Non-critical instruments*; steam sterilisation not required  9.2. Semi-critical instruments*; steam sterilisation not required  9.2. Semi-critical instruments*; packaged on trays, sieve trays, tablets, stands, bowls, etc. or packed in sterile product packaging in accordance with EN 868  9.3. Critical instruments**; packaged in sterile product packaging in accordance with EN 868  10. Documented release of the medical devices for use  11. Contamination-protected storage, storage duration acc. to EN 868	For general and surgical instruments:  For rotating instruments:  Washer-disinfector:  Program: Temperature/hold time:  Steam steriliser: autoclave  Program: Temperature/hold time:	Processing is performed directly after the treatment, taking into account the risk assessment and classification of the medical devices  dry storage in washer-disinfector before disinfection, not over 6 hrs.	Instruments
Transmission instruments for general, preventive, restorative, orthodontic, surgical, periodontal and endodontic treatments, e.g. turbine hand and angle pieces  Auxiliary devices with/without leakage of fluids and/or air and particles, e.g. dental clearance equipment, powder jet equipment, intraoral camera, etc.	Processing is performed in the same way as for the instruments described above (steps 3 and 9 according to the manufacturer's information)  External: wipe disinfection and cleaning  Interior: cleaning  Care (lubrication of interior parts)  Automated reprocessing:  Disinfection/cleaning e.g. in a washer-disinfector Internal cleaning and maintenance of internal parts	Preparation, unit: Unit: Program: Temperature/hold time:	After every treatment and after contamination	
Surfaces and floors in examination and treatment rooms (e.g. treatment unit, devices, cabinets)  Objects and small surfaces in the patient vicinity that have been contaminated and cannot be disinfected thermally or by immersion in solutions (e.g. treatment unit, devices, work surfaces, equipment parts, X-ray equipment, lamp handles, intraoral film shells)	Disinfect and clean surfaces with a mopping and wiping disinfection procedure (using an appropriate wet wiping method). No rinsing or wiping dry before the end of the reaction time. Re-use the surfaces when they are visibly dry.  Wiping with quick disinfectants Limit spray disinfection to areas that cannot be reached by wipe disinfection.  Ensure complete wetting, comply with reaction time, allow to dry  Cleaning and care (e.g. treatment chair)	With single-use wipes or hygienically prepared wipes, multi-use wiping cloths	Every working day (e.g. at the end of the treatment day), additionally as required  In the treatment area after every treatment and after contamination  As required	Surfaces Cleaner
Skin protection plan  Skin, when affected by  water-soluble working materials, such as disinfectants, cleaning agents,	Requirements are an easily accessible hand-washing station with running we priate skin care products as well as single-use towels. No jewellery, watches Cleaning hands:  Under running water with gentle liquid soap from a dispenser, dry with single-use towels	ater (hot and cold), direct dispensers with washing lotion that is gentle o s or rings may be worn on the hands or forearms.  Gentle liquid washing preparations:  Single-use towel	n the skin, hand disinfectant and appro- Before starting work, after finishing work, in case of visible soiling, before meals, following every visit	Skin & hands  All employees
Non water-soluble materials, such as organic solvents, petroleum ether      accumulation of moisture and softening of skin (maceration), e.g. when wearing gloves  Skin, in the event of non-physiological colonisation with e.g. bacteria, fungi, viruses	Skin protection and care: Apply carefully between fingers, paying special attention to fingernail folds and the back of the hands  Hygienic hand disinfection: Hand disinfectant in accordance with the rub-in process CEN/EN 1500 to be rubbed in until dry. Hands must be air-dry before putting on the medical single-use gloves.  Surgical hand disinfection: Wash hands and forearms up to the elbow for 1 minute, brushing fingernails and nail folds if required. Wet hands and forearms completely by rubbing in the hand disinfectant solution in portions (following the rubbing-in method described in CEN/EN 12791); keep moist during the reaction time. Hands must be air-dry before putting on sterile medical	Protection emulsion W/O Preparation:	before inteuts, following every visit to the toilet, after sneezing, blowing one's nose or coughing  Before preparing for work, before and after each treatment, after interruptions in treatment, after workstation maintenance, before putting on or taking off gloves  Before extensive dental-surgical or oral-surgical procedures, before all dental-surgical or oral-surgical procedures on patients with an increased risk of infection	All employees  All employees
Suction unit, suction hoses (internal)  Spittoon (internal)  Filter  Amalgam separator  Suction hoses (external) etc.  Spittoon (internal and external)	Cleaning by aspirating a water-air mix, especially when blood has been aspirated  a) Disinfection: slow suction of a mix of air and disinfection/cleaning solution  b) Cleaning: removal of deposits (calcium, bacterial contamination, salts from jet-stream equipment)  Disinfection and cleaning of the spittoon  Filter change or cleaning in accordance with the manufacturer's specifications Replacement/draining of the collecting container and disposal of the separated material in accordance with the manufacturer information  Disinfection and cleaning through wiping	Cold water (at least 1/2 litre)  Use PPE (personal protective equipment)  Do not touch contaminated pieces of the separator, use PPE	a) 1 to 2 times per day, at a minimum at the end of the working day b) at least 2 times per week, prior to the midday break Additionally as required Use PPE As required As required After every treatment	Special areas
Impressions e.g. alginate, silicone, polyether rubber, Hydrocolloids, Polysulfide etc. as well as  workpieces and equipment e.g. prostheses, bridges, etc., plaster models, bite registrations and bite plates made of wax, shellac or plastics, as well as articulators, occluders, fixators, face bows and more.  Objects with acid-soluble coatings e.g. cement, calculus, oxide film, flux residues  Objects with coatings of plaster or alginate	Disinfection and cleaning with  Automated procedures: in accordance with the manufacturer's specifications  Wet-chemical procedures: Disinfection and cleaning by soaking in solution, after the advised reaction time rinse under running water and air dry if necessary  Cleaning (e.g. in an ultrasonic bath)	Device/manufacturer:	After removal from the patient's mouth Prior to transport to the dental lab After receipt from the dental lab  As required  As required	Miscellaneous
Oral antisepsis  Practice laundry  Textile practice clothing, professional clothing, towels, wiping cloths, etc.  Waste  Waste from treatment and examination rooms	Rinse the oral cavity or soak swabs with antiseptic to reduce germs in the oral cavity of the patient while safeguarding the surgery team against infection  Practice laundry is to be collected in sufficiently resistant and thick containers/sacks and reprocessed with thermal or chemical-thermal wash and disinfection procedures  Pointed, sharp, fragile objects, body parts (e.g. teeth, tissue) with blood, see the immediately collected at their point of origin in non-penetrable, tear-and securely sealed containers for burning. Lead foil, old films, fixing baths, developed.	d moisture-proof and sealed containers). The contents must not be transfe	rred to other containers nor sorted, and m	Patient  Operator  otifiable diseases must ust be disposed of in

securely sealed containers for burning. Lead foil, old films, fixing baths, developer, residues containing mercury, old medications and batteries are disposed of by specialist disposal firms. Household-like waste is collected in waste bags and sorted and disposed of in accordance with the local guidelines. \* Non-critical medical devices: medical devices that merely come into contact with intact skin

\*\* Semi-critical medical devices: medical devices that come into contact with mucosa or pathologically affected skin

\*\*\* Critical medical devices: medical devices that penetrate skin or mucosa and come into contact with blood, internal tissue or organs (including wounds) in the process, and medical devices for application of blood, blood products and sterile drugs. Patients suffering from or thought to suffer from clinical conditions of transmittable spongiform encephalopathy (CJK, vCJK etc.) are to be treated in institutions that are sufficiently equipped to prevent infection. The processing of re-usable instruments and materials must only be

performed in institutions with an externally certified quality management system in accordance with DIN EN ISO 13485/13488.

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 $<sup>^{\</sup>mbox{\tiny 1]}}$  For further information, refer to the product information leaflets

<sup>&</sup>lt;sup>21</sup> In accordance with EN 13727, EN 13624, EN 14561, EN 14562 <sup>31</sup> Use disinfectants safely. Always read the label and product