

Periodic preventive maintenance

Safety check















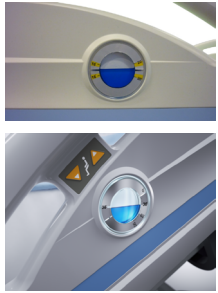
Manual for Eleganza 2 (1GRA)






Smart acute bed





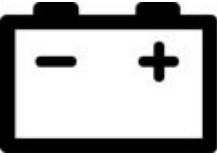




CE
0123

P	Picture	Action	Tools
Bed frame		Bed identification <ul style="list-style-type: none"> Write the bed serial (SN) and model (REF) number onto the preventive check report 	N/A
Undercarriage		Checking the welds and the surface finish <ul style="list-style-type: none"> Visually check the welds on the whole undercarriage Check the surface finish (paintwork) on the undercarriage Visually check the integrity of the undercarriage cover 	N/A
Undercarriage		Checking the tightness of the fixings <ul style="list-style-type: none"> Visually check all screw connections on the whole undercarriage Check the screws on all four castors (five in Eleganza 2 version with the 5th castor) – tighten loose screws using an appropriate tool 	N/A
Undercarriage		Checking the castor wheel rotation <ul style="list-style-type: none"> Move the bed 1m in various directions while the brake is in the neutral position Check all bearings Check each castor for the tread integrity Check each castor for smoothness of motion and lack of noise 	N/A
Undercarriage		Checking the function of the bed's braking system <ul style="list-style-type: none"> Check the brake function on each castor (red lever down) – castor wheel rotation and castor swivelling should be locked Check the neutral function on each castor (lever horizontal) - castor wheel rotation and castor swivelling should be unlocked Check the steering lock function - 3 castors unbraked, steering castor locked in the forward direction, castor wheels unbraked (green lever down; Eleganza 2 version without the 5th castor) 	N/A
Undercarriage		Checking the COK (brake) levers <ul style="list-style-type: none"> Check the tightness of the COK (brake) levers 	Allen key
Undercarriage		Checking the 5th castor system <ul style="list-style-type: none"> Check that the 5th castor raises (when the green lever is up) and lowers (when the green lever is down) to the end position 	N/A
Undercarriage		Checking the column screws <ul style="list-style-type: none"> Check the tightness of the screws which connect the columns to the column clamp. Tighten the screws with an appropriate tool to 8+2 Nm Check the tightness of the screws which connect the column clamp to the undercarriage frame. Tighten the screws with an appropriate tool to 18+2 Nm 	Torque wrench Allen key Socket set

P	Picture	Action	Tools
Undercarriage		<p>Checking electrical wiring</p> <ul style="list-style-type: none"> • Visually check all groups of cables on the bed undercarriage • Check that the plastic trunking is securely fixed and that the covers are closed • Check that the cables are correctly secured with cable ties • Check equipotential bonding cables - integrity and fixings 	N/A
Undercarriage		<p>Checking the mains power cable</p> <ul style="list-style-type: none"> • Visually check the complete mains cable for any damage • Check the complete cable by hand to find any damage! • Check that the cable gland is securely fixed to the bed frame 	N/A
Undercarriage	<p>BRAKEAlarm •)</p> 	<p>Checking the Brake Alarm</p> <ul style="list-style-type: none"> • Check that the brake alarm is working • Connect the mains cable to mains electricity. 	N/A
Patient surface		<p>Checking the night light</p> <ul style="list-style-type: none"> • Visually check the function of the night light after connecting the supply cable to mains electricity 	N/A
Patient surface		<p>General visual check of patient surface parts</p> <ul style="list-style-type: none"> • Check frame, ABS parts, siderails, siderail mechanisms, head and foot bed ends, other parts (integrity and tightening of hooks on accessories, etc.) • Check welded connections • Check the welds of the backrest actuator attachment • Check the welds of the calfrest actuator attachment • Check the welds of the calfrest support • Check the surface finish (paintwork) on the patient surface • Check the plastic cladding of the patient surface (bending, cracks or any other damage) 	N/A
Patient surf.		<p>Checking fixations on the patient surface</p> <ul style="list-style-type: none"> • Visually check all screw connections 	N/A

P	Picture	Action	Tools
Patient surface		<p>Checking column screws</p> <ul style="list-style-type: none"> • Check the tightness of the screws which connect the columns to the patient surface. Tighten the screws with an appropriate tool to 10 Nm 	Allen key
Patient surface		<p>Checking electrical wiring</p> <ul style="list-style-type: none"> • Visually check all groups of cables on the patient surface • Check that the plastic trunking is securely fixed and that the covers are closed • Check that the cables are correctly secured with cable ties • Check equipotential bonding cables - integrity and fixing 	N/A
Patient surface		<p>Checking siderails</p> <ul style="list-style-type: none"> • Check the tightness of the screws which connect the siderails to the siderail mechanisms. Tighten the screws with the appropriate tool to 1,5+0,5 Nm • Check the ease of operation and positioning • Check the reliability of the side locking in the upper and lower position • Check the function of gas springs • Check the quality of the adhesion of the decors 	<p>Torque wrench</p> 
Patient surface		<p>Checking moving parts</p> <ul style="list-style-type: none"> • Check the parts visually (scratches, cracks) and check the function of the moving parts (backrest, thighrest, calfrest, bed extension, siderail locking, bed end locking etc.) • Check the position of the pin inside of siderail release handle - replace it for a new one in case of dysfunction • Check the ease of operation when the bed is extended/shortened • Check the functionality of the calfrest grid • If necessary, lubricate all surfaces in contact under friction with the appropriate product 	<p>BioFluid</p> 
Patient surface		<p>Checking horizontal bed position using level</p> <ul style="list-style-type: none"> • In the highest position of the bed, check the spirit level in the side rails to make sure the bed is in horizontal position 	N/A

P	Picture	Action	Tools
Patient surface		<p>Checking head and foot boards</p> <ul style="list-style-type: none"> • Check the parts visually • Check that the head and foot boards are easily removable and attachable • Check the functionality of the bed head and foot board fixing • Check the quality of the adhesion of the decors 	N/A
Controllers		<p>Checking the functions of <u>ALL</u> controls</p> <ul style="list-style-type: none"> • ACP, handset, Mobi-Lift®, foot controls, siderail controls, etc. • Check all buttons on all controls (including the GO and STOP buttons) • Check all functions on all controls (movement, lock functions) • Check the function of the siderail limit switches (EMR ready only) • Visually check the integrity of the controllers and their parts 	N/A
Lifting units		<p>Checking functions of actuators (backrest, thighrest)</p> <ul style="list-style-type: none"> • Check actuators movement to full extension/retraction • Check smoothness of positioning of the mattress platform parts (use lubricant on the piston of the actuators) • Check the actuators subjectively for vibration and noise under load • Check the self-lock ability of the lifting units under load (they must hold the set height) • Check the actuator pins and starlocks 	<p>BioFluid</p> 
Lifting units		<p>Checking functions of the columns</p> <ul style="list-style-type: none"> • Check columns movement to the highest/lowest position • Check columns movement to the full Trendelenburg/ Anti-Trendelenburg position • Check the synchronisation of the columns • Check the columns subjectively for vibration and noise under load • Check the self-lock ability of the lifting units under load (they must hold the set height) 	N/A

P	Picture	Action	Tools
Lifting units		<p>Checking the integrity of the lifting units</p> <ul style="list-style-type: none"> • Check the integrity of the actuators cover and the lifting units cover • Check the attachment of the actuators (starlocks) • Check the integrity of the plastic attachments of the actuators and lifting units • Check the integrity of actuators electrical wiring • Check the wiring attachment 	N/A
Bed system		<p>Checking the Nurse Call system</p> <ul style="list-style-type: none"> • Connect the Nurse Call to the hospital's system and check the function 	N/A
Bed system		<p>Checking the mechanical unblocking of the backrest CPR</p> <ul style="list-style-type: none"> • If the backrest is not in the lowest position press CPR handle and let the backrest fall down • If the backrest is down then move the backrest a little bit up, press CPR handle and let the backrest fall down • Test the mechanical unblocking from the highest position of the backrest (check the ease of operation - settings, check the ability of the CPR mechanism to lock under load) • Visually check the unblocking mechanism, the cable sleeve and fixing screws. Inspect the CPR control cable for damage <p>When malfunction or deterioration of the unblocking function is detected:</p> <ul style="list-style-type: none"> » Adjust the setting screw – cable sleeve length » Lubricate the actuator piston with the appropriate product 	<p>BioFluid</p> 
Battery		<p>Battery</p> <ul style="list-style-type: none"> • Test the battery functions • Replace the battery after two years 	N/A
Electrotechnics		<p>Electrical test</p> <ul style="list-style-type: none"> • Electrically test the bed according to the appropriate standards • Write the results to the preventive check report 	 <p>With Option SI+ Module</p>
Label		<p>Placing the preventive check sticker on the bed</p> <ul style="list-style-type: none"> • Place the LINET sticker on the foot end crossbar and make a note of the date of the next preventive check (1 year) 	

P	Picture	Action	Tools
Report		Complete the Preventive Maintenance Protocol	Preventive check report

Bed serial number:		Bed model number:	
Customer:		City:	

Operation	Visual Checks ✓	Test Function ✓	Fault Detection	
			YES	NO
Welds and the surface finish		N/A		
Tightness of the fixings castors				
Castor wheel rotation				
Function of the bed's braking system				
COK (brake) levers				
5th castor system				
Column screws - undercarriage				
Electrical wiring - undercarriage				
Mains power cable				
Brake Alarm				
Night light				
General visual check of patient surface parts		N/A		
Fixations on the patient surface				
Column screws - patient surface				
Electrical wiring - patient surface				
Siderail				
Moving parts				
Horizontal bed position				
Head and foot boards check				
Functions of <u>all</u> controls				
Functions of all actuators				
Functions of columns				
Integrity of all lifting units				
Nurse call system				
Mechanical unblocking of the backrest CPR				
Battery				

Electrical Test (measurement according to the norms in the country)

		Measured	Allowed	Unit
Earth leakage current	Normal condition		0,50	mA
	Single fault		1,00	mA
Insulation test			>2.000	MΩ
Earth bond test			0,3	Ω

Replaced spare part number(s) / action made on the bed:

Results: The bed passed the service inspection and can be returned to use:

YES

needs to be repaired

NO

Date: _____

Validity expires on: _____

Check done by:	Name:	Signature

Manufacturer:

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LINET

Eleganza 2 (1GRA)

Smart acute bed

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Related links: www.linet.com

D9S101GRA-0101

Version: 03
Date of revision: 2022-05

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