

Operating table

HYPERION



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A SINGLE RESPONSE TO MANY CHALLENGES

The surgical discipline is evolving to meet current medical trends and changing procedures. We designed our new operating table to make it as versatile as possible. It can be used with complete confidence over a wide range of procedures, including telemedicine, interacting with an integrated operating theatre control system or operating on bariatric patients.



INTEGRATED CONTROL SYSTEMS

The Hyperion table can be controlled using several methods, minimising the time required to set up the table and increasing the effectiveness of the operation. The Hyperion is designed to work alone or in an integrated operating theatre system environment. When connected, the Hyperion table can be controlled wirelessly using a touch control panel integrated into the operating theatre wall or using gestures interpreted by a special monitor.



OPERATING ON BARIATRIC PATIENTS

The combination of low minimum table height (590 mm, without mattresses) and high maximum load (350–450 kg) enables safe operations on obese patients.



OPERATING WHILE SITTING

The table top can be set at a very low height, enabling the surgeon to operate from a seated position, which is ergonomically efficient and improves the effectiveness of the procedure. Reduced surgeon fatigue during long operation, more natural hand movement range and greater operating precision – these are only some of the many benefits.



A SINGLE PRODUCT WITH A BROAD SCOPE OF APPLICATION

Owing to excellent parameters and a wide range of position adjustments, the product can be used for virtually all procedures and types of surgery. Of particular importance are the maximum capacity of the table (up to 500 kg) and minimum table top height (585 ± 10 mm, without mattresses). That combination makes it possible to safely operate on **even the most obese patients** and **perform procedures while seated**.



* - without mattresses



The longitudinal shift of the table top (400 mm) makes it easier to use the table in combination with the C arm



49%

OF MEN ARE OVERWEIGHT OR OBESE*



55%

OF WOMEN ARE OVERWEIGHT OR OBESE*

OBESITY – A GLOBAL PROBLEM OF CRITICAL IMPORTANCE

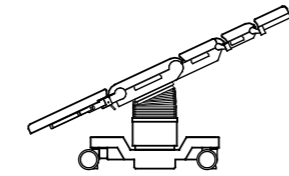
According to the World Health Organization, worldwide obesity has more than doubled since 1980. More than 600 million people suffer from obesity (BMI > 30). And obesity is no longer a “rich person’s problem” – in developing countries the rate of increase of childhood overweight and obesity has been more than 30% higher than that of developed countries. This has catastrophic consequences to the entire society – from the enormous social costs and the need to increase health service expenditure to the considerable increase of the risk of occurrence of various diseases related to obesity, such as diabetes, cardiovascular disease and cancer.

* <http://www.who.int/mediacentre/factsheets/fs311/en/>



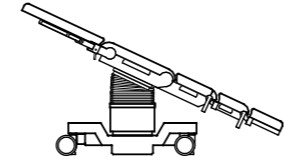


1



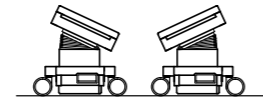
1 REVERSE TRENDELENBURG

- Position prevents pulmonary aspiration and vomiting
- Prevents complications during head and neck surgery



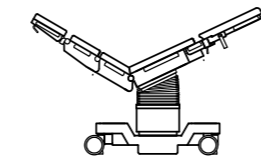
2 TRENDELENBURG

- Standard position for many abdominal and gynaecological surgeries
- Improves access for pelvis operations (better isolation from abdominal organs than in the classic position)



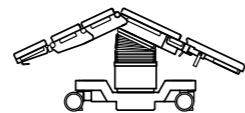
3 LATERAL TILT

- Enables better access to side body parts and certain internal organs
- Also used to reduce pressure in obstetric surgery



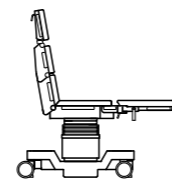
4 REFLEX

- Makes it easier to perform procedures requiring better access to the back, kidney, bladder or abdominal organs



5 FLEX

- Makes it easier to perform procedures requiring better access to the back, kidney, bladder or abdominal organs



6 CHAIR

- Makes it easier to perform ophthalmic surgery, neurosurgery and shoulder surgery - with attachment



2



3



4



5



6





COMFORTABLE AND EASY WORK

A modern operating table has to guarantee a stable patient position, a wide range of positions, and unrestricted access to the patient. In the Hyperion table, those features are augmented by an innovative control system. The table position can be completely and safely changed in a matter of seconds from anywhere in the operating theatre.



SAFETY AND PRECISION

THE POWER OF INTEGRATED SOLUTIONS

The Hyperion table can be controlled from multiple locations using with a variety of methods. The table is equipped with a wired remote control unit provided with an LCD screen that enables quick and accurate position change and easy review of the position settings. Using the table reorientation options or returning the table to examination position with the “0” button, the repositioning of individual table segments takes no time at all.

For patient safety purposes, we have also introduced a two-stage repositioning process – first the operator presses the button corresponding to the type of movement and then uses another button to specify the direction of that movement. The dual buttons prevent undesired movements caused by accidentally pressing the wrong button.



The operating table can also be integrated with the rest of the operating theatre.

When connected, the Hyperion table can also be controlled with the following two methods:

- using the touch screen integrated into the wall,
- by means of operator gestures interpreted through a special monitor.

Both functions enable smooth and accurate control of the product, even from a large distance, which enables the surgery team to use a more efficient and flexible model of work. Other Famed products can also be integrated into the system, e.g., Thea operating lamp and other electronic products (lighting control system, air conditioning, air supply, etc.).

Technical specifications

Material of construction	Stainless steel
Minimum table top height (without mattresses)	585 ± 10 mm
Mattress height	50/60 mm
Allowable static load	400 kg
Allowable dynamic load	500 kg
Table top longitudinal shift	400 ± 15 mm
Lateral tilt	± 30° ± 3°
Trendelenburg and reverse Trendelenburg position	40° ± 3°
Kidney elevation height	150 ± 5 mm
Back support adjustment	-40 ± 2° to +80 ± 5°
Head rest adjustment	-30° ± 3° to 45° ± 3°
Leg rest spread angle	180°
Total table top length (with head rest)	2335 ± 10 mm
Table top width	570 ± 5 mm

On the right: table with the attachment for bariatric surgery (AS-8.0, 6-element set, each part is 10 cm wide)





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The products conform to European Directive MDD 93/42/EEC on medical devices and the Act on medical devices

Issue No. 09/2017/01. The manufacturer reserves the right to modify the product due to technical progress.

