



Operating theatre around 1900



Operating theatre around 2000

In the last century the circumstances in which we perform operations have dramatically changed. Surgery is known to be a physically heavy labour, leading to a lot of complaints in the musculoskeletal system. The percentage of sick-leave is higher than the average, and comparable with heavy manual workers. Despite these data, nothing has changed to relieve the operation itself; the instruments have not changed in the last century.



Especially the handle of the instruments do not meet today's requirements for ergonomics. To relieve the stress in the hands, new handles have been designed; they fit better in the hand and give maximal contact with the palm of the hand. Less effort to keep the wound open, means that one can concentrate more on the surgery. This will lead to more safety for the patient. Compare it with today's cars: comfortable seats and equipped with air-conditioning. If one feels at ease, the chances of an accident will diminish, and the driver can make more miles before getting tired.

The instruments

In collaboration with the department of Industrial Design of the Delft Technical University, the Netherlands, the new ergonomic handle was designed. The difference is appreciable during application; it gives more comfort than the traditional instrument handles.

The instruments are available with a 20 and 25 millimeter diameter handles. Depending on the type of instruments, the handle is either 20 or 25 millimeter in diameter. Instruments mostly used for hand and foot surgery are equipped with the 20 millimeter handle; the other instruments have a 25 millimeter handle



a 20 mm (Cushing) retractor

A retractor, commonly known as Volkmann, has been modified. The basic characteristic of this instrument is the blade with deep indentations, which have no real function but have the

disadvantage that a suture can be caught in it and break. Our retractor has only indentations at the end. Another advantage of this modification is that cleaning is much easier.



a 25 mm modified Volkmann retractor

A special type of instrument is the Breisky-Oei retractor. It is mainly meant for gynaecological operations to retract the vaginal wall, but it is also suitable for abdominal surgery.



There are 11 main groups of instruments now available with this new ergonomic handle. On request any type of retractor can be equipped with the new handle.

The ergonomic instruments are made of the same stainless steel as the traditional retractors. Cleaning, sterilizing, packaging, and storing instructions are the same as for the traditional instruments. The weight equals the traditional retractors.

Please, visit our website: www.versamodis.com

Like many things in life, one must feel the handle. *Experience the difference and realize that progress is going on!*