

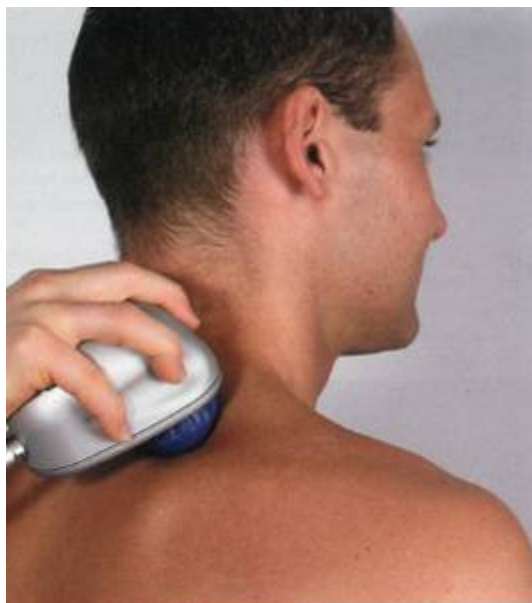
Clinical use of the V-ACTOR applicator for supplementing shock wave therapy – a field report

Our surgical-orthopaedic practice in Straubing specialises in the treatment of patients and athletes with injuries and disorders of the musculoskeletal system. Following internal evaluation at our surgery, the range of conservative treatments was supplemented with radial shock wave therapy (RSWT) and vibration therapy in 48 patients over a six-week period with predominantly good to very good treatment results. With its new V-ACTOR applicator, STORZ MEDICAL is now offering for the first time a tool for high-frequency vibration and shock wave therapy.

For typical complaints, such as insertion tendinosis, we perform standard radial shock wave therapy (RSWT) using the MASTERPULS MP200 device from STORZ MEDICAL. For trigger shock wave therapy (TrST), we used the special D-ACTOR pulse transmitter head, which screws onto the radial applicator to intensify the pressure pulses and which also generates vibrations.

For the last three months we have been using the new V-ACTOR applicator. This is used solely for trigger point therapy in myofascial pain syndrome. The ergonomic shape means that the applicator fits comfortably in the hand and is easy to control by means of the integrated trigger button. Where trigger points are palpable, we use the small 25 mm-diameter pulse transmitter head, for large-area myofascial pain syndrome we use the 40 mm pulse transmitter head.

The V-ACTOR applicator itself is connected to the MASTERPULS MP 200 control unit via a simple plug connector. In V-ACTOR operating mode, the pulse frequency can be adjusted in steps up to 35 Hz with an energy output of 1.4-5.0 bar. The number of pulses varies from 2000 to 6000 per treatment session. It thus offers a very broad, individually adaptable, treatment window. The patient experiences the vibration effect as pleasantly relaxing. It should be emphasised that the vibration is transmitted solely to the patient, and not to the hand of the therapist.



"Treatment using the STORZ MEDICAL V-ACTOR applicator")

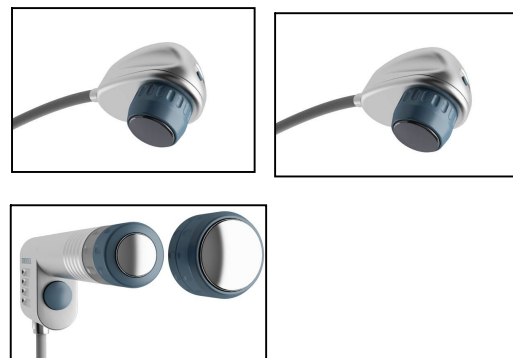
The treatment outcome was good to very good in 80% of cases. Depending on the intensity of the disorder, a decrease in pain is achieved after up to 6 applications, which we recommend at intervals of 3-10 days. The treatment

is billed privately using the standard IGeL¹ procedure.



"Treatment using the STORZ MEDICAL V-ACTOR applicator")

The new V-ACTOR applicator represents a useful addition to the range of RSWT products, marked by its excellent user-friendliness and high level of patient acceptability. Its ergonomic design merits particular mention – it would be desirable to adapt the design of future applicators to that of this new V-ACTOR applicator. In summary, the V-ACTOR is proving to be the perfect supplement for traditional RSWT shock wave therapy.



V-ACTOR 25 mm, 40 mm)

Author:
Dr. A. Schütz
Hand surgeon - surgeon
sporthopaedicum Straubing

www.sporthopaedicum.de
www.ogp.de

¹ IGeL = health services not covered by German health insurance companies