



OrthoWave

CELLULAR HEALING TECHNOLOGIES

CLEANING & DISINFECTION PROTOCOL

OrthoWave DualSync™ · Equipment Maintenance

AFTER EVERY PATIENT

WEEKLY DEEP CLEAN

SAFETY PRECAUTIONS

Patient safety · Equipment longevity

Optimal treatment performance



CLEAN · SAFE · READY

theorthowave.com · (770) 746-3322

For Licensed Healthcare Professionals Only · OrthoWave™ Elite Shockwave Protocol Manual

Why Proper Cleaning Matters

Proper cleaning and disinfection of OrthoWave DualSync™ shockwave therapy heads and handpieces is essential for patient safety, equipment longevity, and maintaining optimal treatment performance.

OrthoWave systems that use radial ballistic technology can accumulate gel and debris inside the handpiece over time. Inadequate cleaning may lead to **decreased power output, premature wear of the projectile system, and costly repairs**. Routine maintenance helps preserve consistent treatment performance and extends the lifespan of the device.

AFTER EVERY PATIENT — REQUIRED CLEANING PROTOCOL

Complete all steps before treating the next patient

01

Remove Gel Immediately

First step — do not allow gel to dry on the applicator

■ 30 seconds

- ✓ Remove all OrthoWave coupling gel or ultrasound gel from the treatment head immediately after the session ends.
- ✓ Do not allow gel to sit and dry on the applicator tip or handpiece barrel — dried gel is significantly harder to remove and can compromise the seal.
- ✓ Use a soft microfiber cloth for initial gel removal — never paper towels or abrasive materials.

02

Wipe Down Handpiece & Head

Clean the full applicator body and handpiece

■ 60 seconds

- ✓ Wipe the shockwave treatment head, applicator tip, and full handpiece body with a clean soft microfiber cloth.
- ✓ Pay particular attention to the applicator barrel collar where gel commonly accumulates around the tip connection.
- ✓ Wipe in one direction — do not scrub in circular motions which can push debris into the connector.
- ✓ Inspect the treatment head visually for any remaining gel buildup or visible residue before proceeding.

03

Disinfect with Approved Product

Hospital-grade disinfection after every patient

■ 60–90 seconds

- ✓ Disinfect the treatment head and handpiece using 70% Isopropyl Alcohol (IPA) wipes OR an approved hospital-grade disinfectant wipe such as CaviCide or Sani-Cloth Germicidal.
- ✓ Wipe all external surfaces that made contact with the patient or coupling gel.
- ✓ Ensure full surface coverage — do not spot-wipe. Every surface that contacted the patient must be disinfected.
- ✓ Follow the disinfectant manufacturer's required contact time (dwell time) before wiping dry.

04

Air Dry Completely

Never treat the next patient on a wet applicator

■ 2–3 minutes air dry

- ✓ Allow the treatment head and handpiece to air dry completely before use on the next patient.
- ✓ Do not wipe dry with a cloth after disinfection — allow the disinfectant to evaporate naturally for full efficacy.
- ✓ If time is limited, use a clean dry microfiber cloth only after the required disinfectant dwell time has been observed.

05

Inspect Before Next Patient

Final check before applying to next patient

■ 30 seconds

- ✓ Visually inspect the treatment head and applicator tip for any remaining gel buildup or residue.
- ✓ Check that the applicator tip is properly seated and secure in the handpiece barrel.
- ✓ Confirm the handpiece cable connection is secure and free of gel contamination.
- ✓ If any residue remains, repeat steps 1–3 before proceeding.

WEEKLY DEEP CLEAN — BARREL & ASSEMBLY MAINTENANCE

Perform once weekly or as directed by OrthoWave maintenance schedule

TASK	PROCEDURE	NOTES
Barrel Inspection	Remove the applicator tip and inspect the interior barrel for gel accumulation, debris, or signs of wear.	Contact OrthoWave if debris cannot be removed with approved methods.
Barrel Cleaning	Clean the barrel interior using manufacturer-approved method only. Use dry microfiber or approved swab.	Never introduce liquid into the barrel assembly.

Connector Check	Inspect the handpiece connector port for gel, debris, or corrosion. Wipe external connector surfaces only.	Do NOT insert cleaning tools into the connector port.
Cable Inspection	Inspect the full handpiece cable for cracks, kinks, or damage. Wipe down with IPA wipe.	Report cable damage to OrthoWave immediately.
Tip Maintenance	Inspect all treatment tips for cracks, chips, or deformation. Clean with IPA wipe and air dry.	Replace tips per OrthoWave maintenance schedule.
Performance Check	Run a short test pulse sequence after deep clean to confirm consistent energy output and tip seating.	Document any changes in output or unusual sounds.

APPROVED CLEANING PRODUCTS

Use only these approved products on OrthoWave equipment

PRODUCT	USE CASE	FREQUENCY	APPROVED
70% Isopropyl Alcohol (IPA) Wipes	Routine disinfection after each patient — external surfaces	After every patient	✓ YES
CaviCide Wipes	Hospital-grade surface disinfection — external handpiece and head	After every patient	✓ YES
Sani-Cloth Germicidal Wipes	Fast-acting medical grade disinfection wipe	After every patient	✓ YES
Microfiber Cloth (dry)	Gel removal and surface residue — initial wipe down	After every patient	✓ YES
Medical Equipment Disinfectant Spray	General surface cleaning — external surfaces only, never spray directly into ports	Weekly / as needed	✓ YES

IMPORTANT SAFETY PRECAUTIONS

Violations may cause equipment damage, void warranty, or patient safety risk

<p>■ DO NOT soak the handpiece in liquid</p>	Immersion in any liquid will damage internal components. The handpiece is NOT waterproof. Wipe-only cleaning is required at all times.
<p>■ DO NOT allow liquids to enter connector or barrel</p>	Liquid entry into the connector port or barrel assembly will cause internal corrosion and component failure. Always wipe external surfaces only.
<p>■ AVOID bleach, acetone, or ammonia-based cleaners</p>	These chemicals will degrade plastic components, damage seals, cause discoloration, and void the OrthoWave equipment warranty. Use only approved products listed above.
<p>■ DO NOT use abrasive pads or metal brushes</p>	Abrasive cleaning tools will scratch treatment heads, damage applicator tips, and compromise the surface finish. Use soft microfiber cloths only.
<p>■ DO NOT spray directly into ports or connectors</p>	If using spray disinfectant, spray onto a cloth first then wipe surfaces. Never spray directly at the handpiece — liquid can enter internal components.

■ **Always follow OrthoWave maintenance recommendations**

OrthoWave device-specific maintenance guidelines take precedence over general protocols. Contact OrthoWave support for device-specific maintenance questions: (770) 746-3322.

QUICK REFERENCE SUMMARY

Post at your cleaning station for daily use

TIMING	ACTION	PRODUCT	TIME
After EVERY patient	Remove gel → Wipe down → Disinfect → Air dry → Inspect	IPA Wipe or CaviCide	5 min
WEEKLY	Barrel inspection → Deep clean → Cable check → Tip inspect → Performance test	Approved products only	15–20 min
NEVER	Soak • Bleach • Acetone • Ammonia • Abrasive pads • Spray into ports	N/A — prohibited	N/A

Professional Clinical Use Only: This protocol is intended as a general cleaning and maintenance guide for licensed healthcare providers using OrthoWave shockwave therapy systems. Always follow OrthoWave device-specific safety and maintenance recommendations. Contact OrthoWave support at **(770) 746-3322** or **theorthowave.com** for device-specific maintenance questions.