AquaTYPHOON and PlasmaTYPHOON (PLASMABIOTICS SAS)

UEG Week Barcelona 2026 | Presentation

Nurses

October 17, 2026

The speaker, a Plasma Biologics quality manager, presented laboratory and clinical evidence supporting Aqua Typhoon, an automated water-and-air brushless endoscope channel cleaning system, and Plasma Typhoon Plus, a rapid channel drying and ozone storage system.

KEY POINTS

- Aqua Typhoon uses pulsed water and turbulent medical air flow to clean endoscope channels in 2 to 7 minutes without detergent or brushes, tested to ISO 15883 parts 4 and 5
- The speaker reported a 2024 Journal of Hospital Infection biofilm study showing residual protein and total organic carbon below ISO target values after one Aqua Typhoon cycle on PTFE channels with 4-day Pseudomonas biofilm
- In a clinical study at Erasmus Rotterdam, microorganisms of gut or oral origin in duodenoscope cultures fell from 20% to 16% with Aqua Typhoon versus manual cleaning, demonstrating non-inferiority as stated by the speaker
- At Georges Pompidou Hospital Paris, the speaker reported 100% culture compliance across 27 endoscopies and bronchoscopies in two series of 56 samples with Aqua Typhoon
- Plasma Typhoon Plus dries all endoscope channels in 1 to 3 minutes and storage in ozone-injected bags was validated for 31 days, with 2024 studies showing no moisture trace and reduced bacterial growth compared to standard drying
- The speaker disclosed employment by the manufacturer and stated that healthcare workers at Georges Pompidou reported they cannot return to manual cleaning after using Aqua Typhoon

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