

# **UMC® 0.1 – AI-Based Real-Time TMJ Functional Monitoring System**

**Non-Invasive Monitoring of Jaw Movement**



# What Is UMC® 0.1?

UMC® 0.1 is a Patent Pending device designed to **monitor and document functional movement of the Temporomandibular Joints (TMJ)** in real time.



## AI-based Monitoring

Uses AI-based visual monitoring of Mandibular motion



## Movement Compensation

Compensates for Head movement during TMJs function



## Single-use Components

Uses single-use Mandibular Clamp



## Documentation

Provides PDF reports



# Who Uses It?



Dentistry

TMJ screening and monitoring



Physical Therapists / Rehab  
Specialists



Pain Management Teams



Chiropractors



Imaging Centers



Trauma and Sport Injury  
Specialists



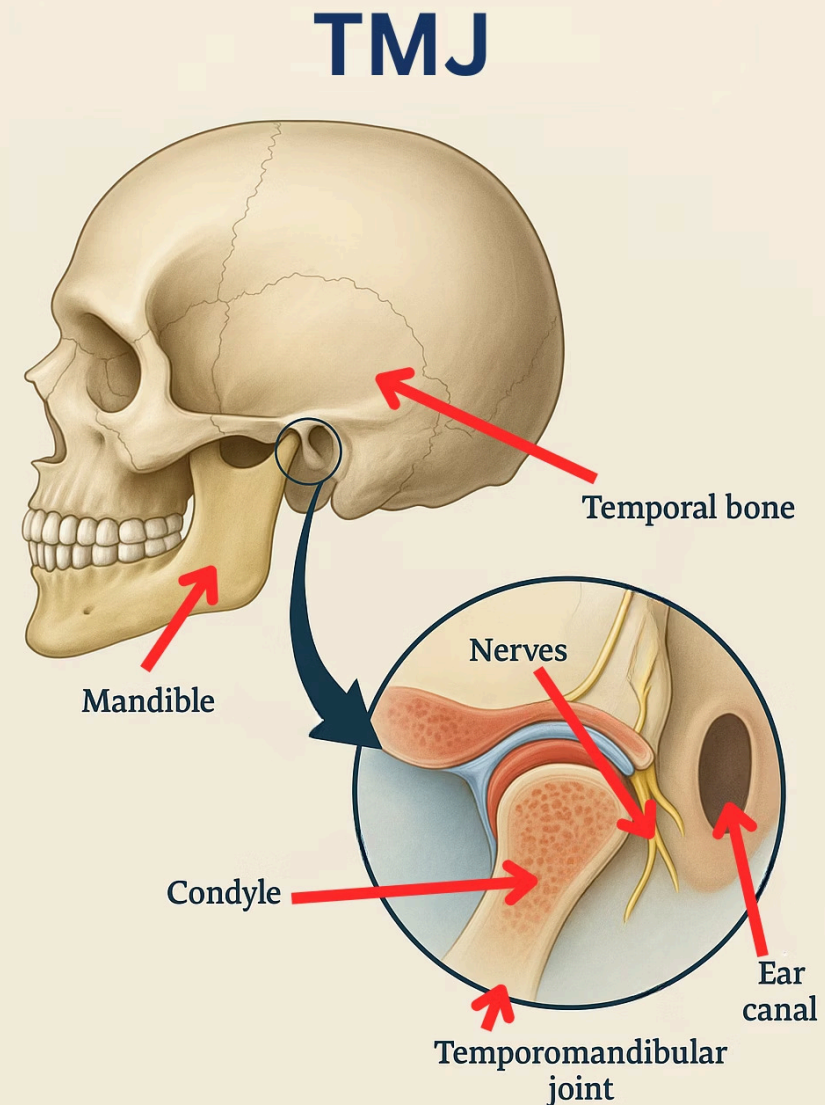
Any medical specialty requiring prolonged mouth opening procedures  
(example, general anesthesia, etc.)



# Why It Matters Clinically

UMC® o.1 enables clinicians to:

- Objectify and measure jaw movement in all directions.
- UMC® o.1 documents baseline function and tracks changes over time.
- UMC® o.1 is the AI system for that purpose that has the highest sensitivity and specificity.
- Device method is fast, highly accurate and user friendly and infection control safe.
- Subjective Manual Evaluations are Subjective and Grossly Inaccurate.



# Device Advantages

✓ Tracks jaw movement in all axes

✓ Compensates for head movement during TMJ function

✓ Non Invasive and Unique

✓ Infection Control Safe

✓ Generates billable PDF reports

✓ CPT® and ADA® billing codes are available

✓ Intellectual Property: US Patents Granted and Pending



# Clinical Output



## PDF Reports

Automatically generated Billable **PDF motion graphs**

Time-stamped and case-linkable



## Treatment Comparison

Necessary in **pre/post-treatment comparisons**



## Referral Management

Objectify referrals to specialists

Objectify for need/no need of further treatment



## Diagnostic Planning

Part of Diagnostic and Monitoring Plan

# Contact for Clinical Demo or Deployment

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