

# HEMOTAG CPAS in Urgent Care - Cardiac diagnostic triage within minutes

## Urgent Care Centers in primary care.

Urgent Care Centers (UCC) occupy an important and growing segment in the US Healthcare system. Established to fill the gap between primary and emergency care, over 9000 UCC process 112 million patient visits per year. These visits correspond to approximately 23% of all primary care visits from patients who either have no traditional primary care provider (PCP), can not wait or simply can not access their PCP during office hours. Consequently, UCCs are popular especially with patients in the 18-44 age bracket where convenient 24/7 access, short waiting times and the broad range of experience and services available outweigh the value of personal PCP-patient long-term relationship.

UCCs associated with a hospital and emergency care can transfer patients where needed. However, UCCs are far less costly than emergency care. Availability, high standard of care and lower costs are therefore the leading drivers for UCCs in primary, non-emergency care and as such their consistent expansion especially by Accountable Care Organizations (ACO) is unsurprising.

## Clinical Services in Urgent Care Centers

UCCs are primarily "triage" operations aiming to receive, diagnose and discharge a patient within 90 minutes or less. This "need for speed" serves administrative goals and strongly drives patient satisfaction but mandates the use of rapid patient evaluation and diagnostic tools as well as clearly defined clinical workflows. Costly and time consuming examinations that require expert training or need samples to sent to outside laboratories are largely excluded in this triage environment.



The HEMOTAG reader positioned on a patient in ambulatory care. The rechargeable, wireless device uses standard ECG electrodes. A 30 second reading is initiated by the clinician via the secure App and an audible notification indicates the successful transmission of the data to the HIPAA secured cloud. Patient-centric reports are generated automatically and transmitted to the authorized care team. In addition to their diagnostic value in developing an intervention strategy, the reports also allow the clinician to engage the patient in a conversation about cardiac risk profiles before symptoms are manifest.

Patients presenting with non-specific symptoms pose a specific problem in UCCs. Dizziness, dyspnea, chest tightness, fatigue and edema are some of the symptoms that could indicate heart failure but can also occur in a number of other conditions. Generally, UCCs do not conduct 2D-transthoracic echocardiograms, these examinations require trained specialists, expensive equipment and can take 20-60minutes. Emergency room referrals are often the safest, conservative option adding cost and time to the patient visit.

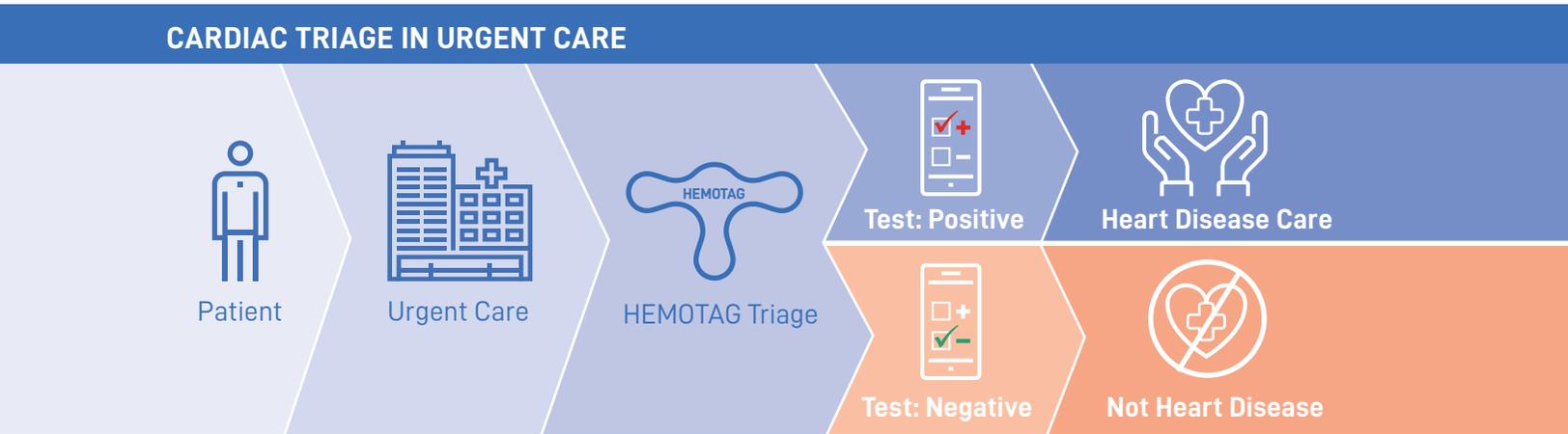
### HEMOTAG in Urgent Care

UCCs require a rapid, unambiguous triage diagnostic to evaluate a patient's heart condition. Preferably, the test is conducted early in the examination to guide the direction of subsequent investigation and treatment.

The Florida-based company Aventusoft worked with regional clinicians and developed a portable, wireless

device that assesses key cardiac function within 2 minutes and generates reports for integration into the patient's record. Originally developed with support from the US Military, the system works by, capturing micro-vibrations from the different heart valves using highly sensitive sensors simultaneously. These signals are automatically entered into a cloud-based, HIPAA-certified analytics engine where AI-supported algorithms quantify the time-interval between valve opening and closing with unmatched accuracy and specificity. Time interval-based diagnosis are highly sensitive and specific in identifying left-ventricular dysfunction where other symptoms are indistinct. The HEMOTAG system therefore lends itself to assist UCC physicians to triage patients as part of the clinical protocol.

*Please contact [info@hemotag.com](mailto:info@hemotag.com) for more information and a demonstration.*



Patients presenting in a Urgent Care Facility with non-specific symptoms can be triaged with the HEMOTAG CPAS system. Within 2 minutes, a diagnostic report is generated allowing the UCC staff to assess the need to refer the patient into specialist cardiac care or investigate other potential causes.

Including HEMOTAG CPAS into the UCC saves time, expense and brings clarity to the patient and her care team within a single clinical visit.



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Caution - Investigational Device, Limited by Federal Law to Investigational Use. Not available for commercial use.  
 Patent No: US 10165985 B2, Patent No: US 8475396 B2, US 0188862 Patents pending.  
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