



Why is 21st century medicine stuck with 20th century technology?

Need for a technological breakthrough...

- ✓ Absolutely no progress has been made on physician's number one problem - automating prior authorization and making peer-to-peer calls disappear.
- ✓ Think \$30 Billion worth of siloed EMRs that are almost not usable much less interoperable and patient centered; also think Watson AI.
- ✓ In recent years, there has been increasing hyperbole about the role of healthcare digitization and also about artificial intelligence in medicine. – Both have been a disappointment relative to previously high expectations.
- ✓ There are a number of problems that need to be solved to introduce artificial intelligence and digital automation at a practical level in healthcare.



THE NEED FOR GAMIFICATION OF HEALTHCARE

- ✓ *Knowing the rules of the game*
- ✓ *Following the rules of the game*
- ✓ *Monitoring the rules of the game*

Automated Clinical Guidelines, LLC (ACG)

ACG Mission: Organize the world's medical knowledge and data

ACG Vision: Do the right thing for the patient and for those who pay

Our Purpose: To serve as an “Applied Medical Evidence Engine”

H.O.L.M.E.S. : Human Observation Logic Machine and Educational System



ACG *H.O.L.M.E.S.* - Knowledge, intelligence, and analytics at the point of care for the benefit of the patient

ACG *H.O.L.M.E.S.* expert system does three main things:

- ✓ Constantly consuming medical information from evidence and from observation
- ✓ Digesting and preparing the information to become useful knowledge and intelligence at the point of care
- ✓ Applying the knowledge and intelligence to patient-provider and provider-payor contexts



A patented and patent pending technology,
process, and platform like no other

- ✓ The machine writes 100% of the code with no human intervention; what used to take months or years for the best software teams to develop and test now takes minutes.
- ✓ No longer does the 21st century digitization of medicine need to rely on 20th century technology – ACG has made a technological breakthrough.
- ✓ Application of von Neumann's pure strategy theory of games combined with a newly developed “directed” machine learning process created the breakthrough technology .
- ✓ The ACG platform contains all of the normalized information available at the time of the clinical decision – the current provider-payor system lacks this crucial element.



“ACG Rapid Deployment Software” makes information valuable and useful at the point of care (in minutes – not months or years)

- ✓ Our business processes have been described as a printing press for software in comparison to handwritten documents produced in ancient scriptoriums.
- ✓ ACG machine written code is accurate, cost effective, and simple to maintain.





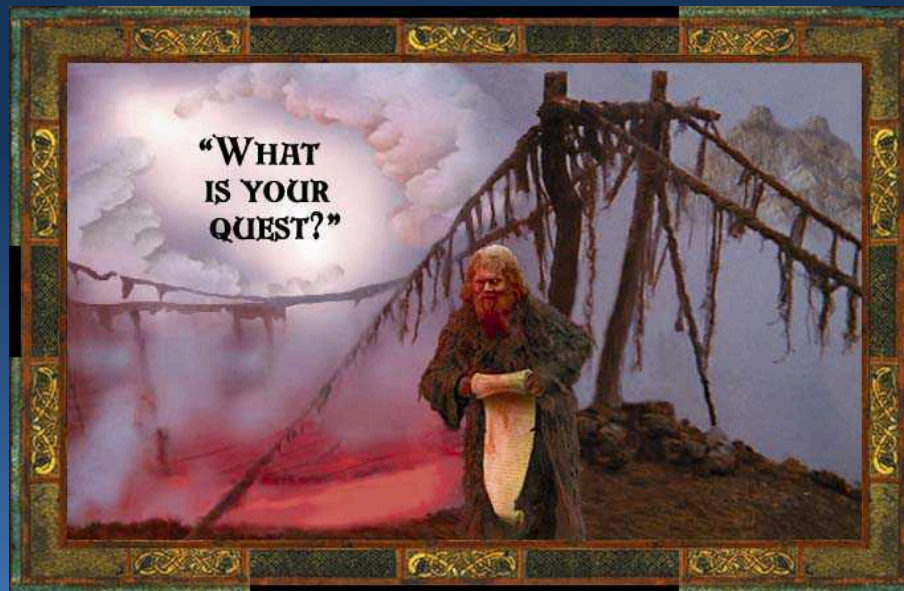
Mutual adoption by payors, providers, and pharma of ACG *H.O.L.M.E.S.* will lead to unprecedented efficiencies via automated “no-touch” authorization, claims adjudication, and payment.

- ✓ The machine was designed to revolutionize and automate health plan functions to reduce wasteful administrative costs as the system “learns” medicine as well as drug costs, medical necessity, utilization management, and structured clinical data.
- ✓ ACG has discovered how to teach the machine medicine and then have the machine teach the healthcare provider to control risk, outcomes, costs, and diagnosis/treatment errors via automated care pathways and clinical decision tree algorithms.
- ✓ The headaches of prior authorization, peer to peer reviews, medical necessity documentation, coding compliance, and payment have nearly disappeared at test sites.



The Current Peer to Peer and Prior Authorization Process is a medieval blunt instrument likened to the Bridge Keeper at Monty Python's Bridge of Death

- ✓ The machine has learned the required questions in the provider's quest for pre-authorization and payment and presents these to the provider in the form of dynamic question-answer logic algorithms.



"Well, you have to know these things" *when you're a physician...*



ACG focuses on improving patient outcomes, medical costs, and provider/payor business value as a software as a service subscription model

Providing our customers with automated clinical evidence decision trees for diagnosis, treatment, procedures, and payment:

- ✓ Payors, Governments, Pharma, EMR vendors, Doctors, Hospitals, and many others
- ✓ ACG is a value-adding information-based capability and analytics at the intersections of:
 - ✓ Providers and Payors
 - ✓ Pharma and Payors
 - ✓ Pharma and Providers
 - ✓ Providers and EMR/RCM



H.O.L.M.E.S. is the only solution on the mass market today that delivers high-value contextual evidence at the right time/place.

ONLY H.O.L.M.E.S.:

- ✓ Safely and efficiently reduces administrative costs and the burden of inappropriate and excessive care on a worldwide scale in 100 languages.
- ✓ Solves key pain points for physicians and staff, pharma, and the payors all at the same time by making information useful and valuable at the point of care.
- ✓ Is an expert system of medicine comprising 500,000 files and 2,000+ web pages.

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