



Building a conversational Robot for Pediatric Advices

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Abstract

Chatbots are intelligent personal assistants, artificial intelligence supported messaging apps, broadcasting targeted content. Bots are forecasted to replace simple messaging apps. In healthcare, they could take off the burden on medical professionals regarding easily diagnosable health concerns, Frequently Asked Questions or quickly solvable health. Empowering traditional health care providers is our business model, helping hospitals, doctors and nurses to broadcast their knowledge. E-Health without quality and patient safety concerns are promised to fail. Uberization of medicine is a myth because medicine is complex. Increasing Health Literacy in the population is our ultimate goal, using new technologies to boost a two decades journey of health education vocation. Very Patient functionalities: Patient education: Very Patient is providing a natural language driven chat bot helping patient to ask question an extensive database fed by health care provider they trust, and they can meet online or during a real consultation. Symptoms Checker: Our Algorithmic Diagnosis Neural Artificial Network is a solid and durable tool as it will merging medical literature data, Electronic medical Record data, medical databases and a collaborative training by Very Patient health care providers. Each expertise level will add a layer to the neural network to potentialize the human - algorithm intelligence. A natural language interface will collect the patient symptoms mimicking a real consultation, according to the funders experience. Online Consultation Module: Online consultations will be possible by chat, audio and video according to the availability of our health care providers and the patient's requests. These online consultations have to be backed up by a network of hospitals, private practices and nurses, ready to perform a real consultation. Online consultations will be managed through an appointment module, allowing health care providers to monitoring their appointment and contacts. A summary of the consultation will be compiled in a developing patient portal.

Biography

Decamps is a Pediatrician with 20 years' practice, who trained at Brussels's University in Belgium. His sub-specialties are Neonatal Intensive Care and Neuropediatric. Decamps has considerable experience in Asia, China and Vietnam. He led 6 accreditation process in Asia and now in Belgium. He is currently CMO in a Belgium public hospital. Since September 2017, he is developing a medical chatbot. Very Patient providing patient education, medical knowledge sharing and online consultations.

Publication

1. Neurological complications of a case of neonatal septicaemia. Decamps D., Muller M.f., Lepage P., Gyselings R.
2. Epidemiologic study of a high rate of small for age in a hospital of Hainaut. Decamps D., Muller M.f., Gavriil P., Lepage P.
3. Neurological outcome of small for gestational age infants. Decamps D., Muller M.f., Gavriil P., Lepage P.



14th International Conference on Pediatrics & Neonatal Healthcare
March 11-12, 2020 | Zurich, Switzerland

Author Citation: Didier Decamps, *Building a conversational Robot for Pediatric Advices*, Pediatrics Healthcare 2020, 14th International Conference on Pediatrics & Neonatal Healthcare, Zurich, Switzerland, March 11-12, 2020