**LITERATURE REVIEW**

On

**Patient Database Management System using BlockChain**

Title : Blockchain Applications for Healthcare Data Management

Author : Dimiter V. Dimitrov

Published on : 2019 Jan 31

Abstract : This study aimed to provide an overview of the potential for blockchain technology in the healthcare system. The review covers technological topics from storing medical records in blockchains through patient personal data ownership and mobile apps for patient outreach.

We performed a preliminary survey to fill the gap that exists between purely technically focused manuscripts about blockchains, on the one hand, and the literature that is mostly concerned with marketing discussions about their expected economic impact on the other hand.

The findings show that new digital platforms based on blockchains are emerging to enabling fast, simple, and seamless interaction between data providers, including patients themselves.

Pros : fast, simple, and seamless interaction between data providers, including patients themselves.

they increase the security and privacy of data; data is encrypted in blockchains and can only be decrypted with the patient's private key.

Cons: if the network is infiltrated by a malicious party, there is no practical way to read patient data.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6372466/>

* **Title:- Blockchain-Based Medical Record Management with Biofeedback Information**
* **Authors:**-Hui Li Wang, Shao-I Chu, Jiun-Han Yan, Yu-Jung Huang, I-Yueh Fang, Shu Ya Pan, Wei-Cheng Lin, Chao-Tien Hsu, Chih-Lung Hung, Tzung-Ching Lin and Te-Tsun Shen
* **Published on:-**October 30th, 2020
* **Abstract:-** Instead of using the traditional centralized databases, the Ethereum-based blockchain is applied to our designed system framework of medical record management to ensure the security of data. The medical records are stored within individual nodes in the blockchain networks by utilizing the smart contracts. The automatic smart contracts for the administration procedure are also designed with an aim to reducing the waste of human resource and speeding up the medical process.
* **Pros:-** medical records are stored to guarantee data security, privacy and integrity.
* <https://www.intechopen.com/chapters/73842>
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