Blockchain Technology and
the Future of Medical Data

Dr Abdullah Albeyatti MBBS BSc MRCS (ENT)
CEO and Co-Founder of Medicalchain
• What is blockchain?

• What are we trying to achieve with it?

• How has it been used already?

• How could it be potentially used?
What is blockchain
What is blockchain

- A distributed, decentralized ledger based on cryptography that improves reliability, transparency, robustness and trust

- Blocks of information are added piece by piece to form a chain. This chain structure is shared across different holders named nodes

- If any information is changed within a block, this would be identified by the other node holders and the information would be deemed corrupted
What are we trying to achieve?

• To have a trustless system which is decentralized

• To provide users with the power to access their own medical records

• Removing health boundaries
Health Passport
Medication data on the blockchain
Future Market

DATA OWNERS

DISINTERMEDIARIES

DATA CONSUMERS

Data flow

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How else could healthcare benefit from this technology?

• Organ transplants

• Blood transfusions

• Recruitment and retention of staff