



(طَلَبُ الْعِلْمِ فَرِيضَةٌ عَلَى كُلِّ مُسْلِمٍ أَلَا إِنَّ اللَّهَ يُحِبُّ بُغَاءَ الْعِلْمِ)



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AI Future in Healthcare

✓ Presented by:
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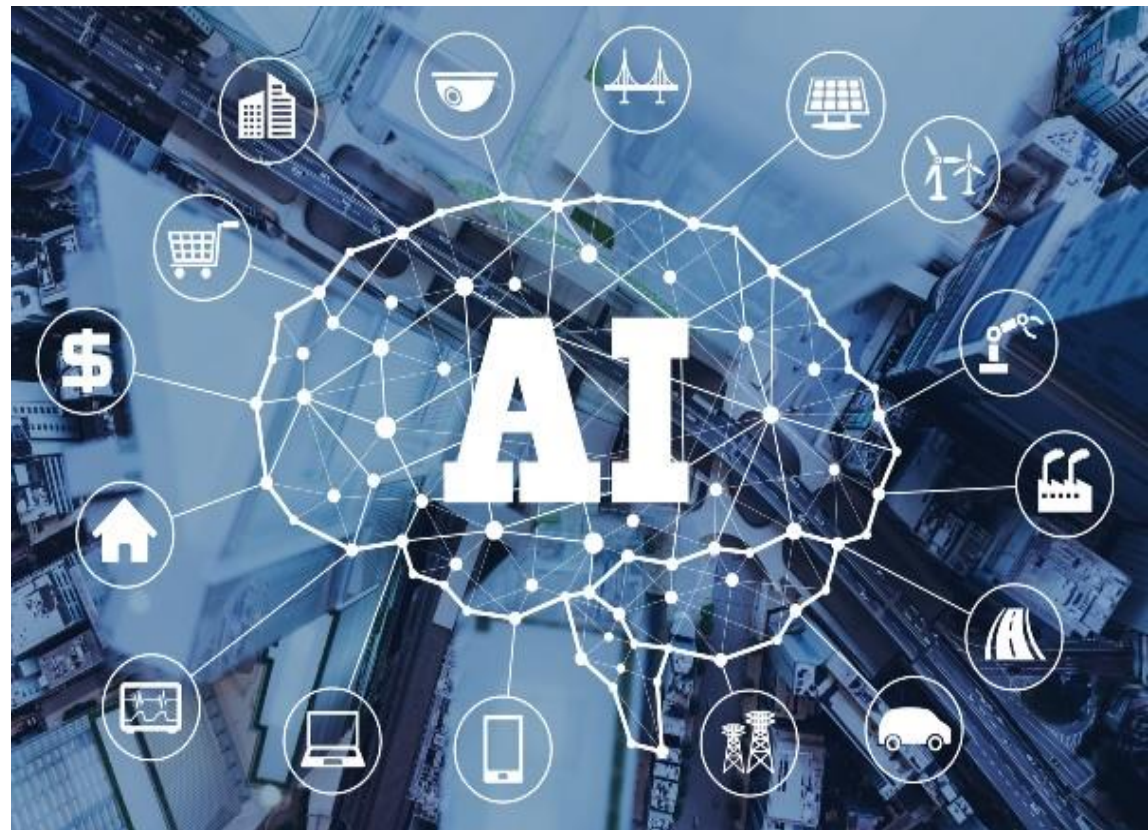


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Artificial Intelligence

- **Machine Learning**
- **Machine Vision**
- **Natural Language Processing**
- **Experts Systems**
- **Robotics**
- **Artificial Neural Network**





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AI infrastructure

- Computational Power
- Data Storage and Management
- Networking
- Machine Learning Frameworks
- MLOps Platforms





Areas of AI in Medicine

- ✓ Diagnostics
- ✓ Precision Medicine
- ✓ Drug Development
- ✓ Preventive Health
- ✓ Administration and Workflow Optimization
- ✓ Telemedicine



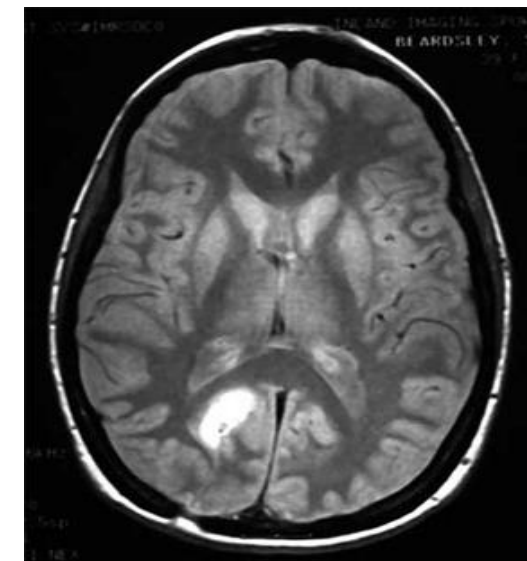
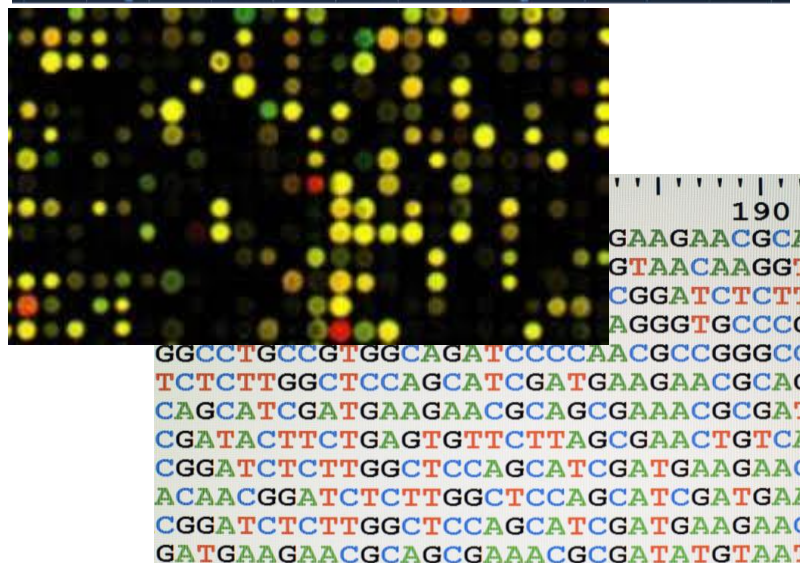
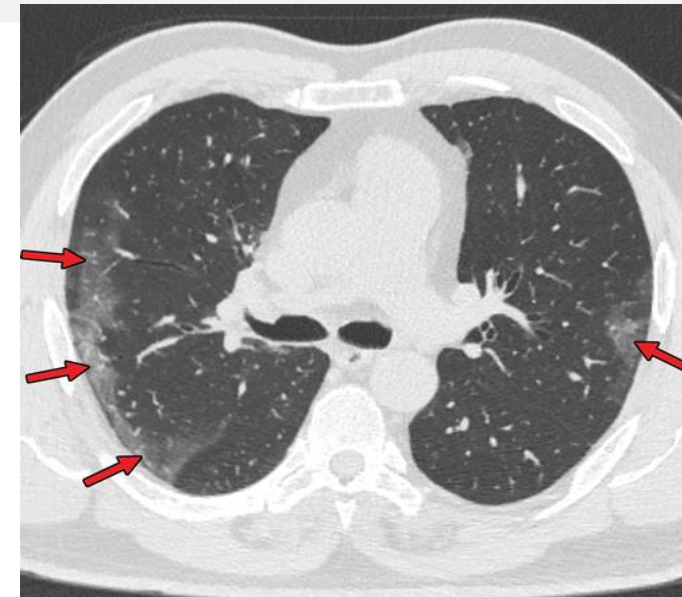


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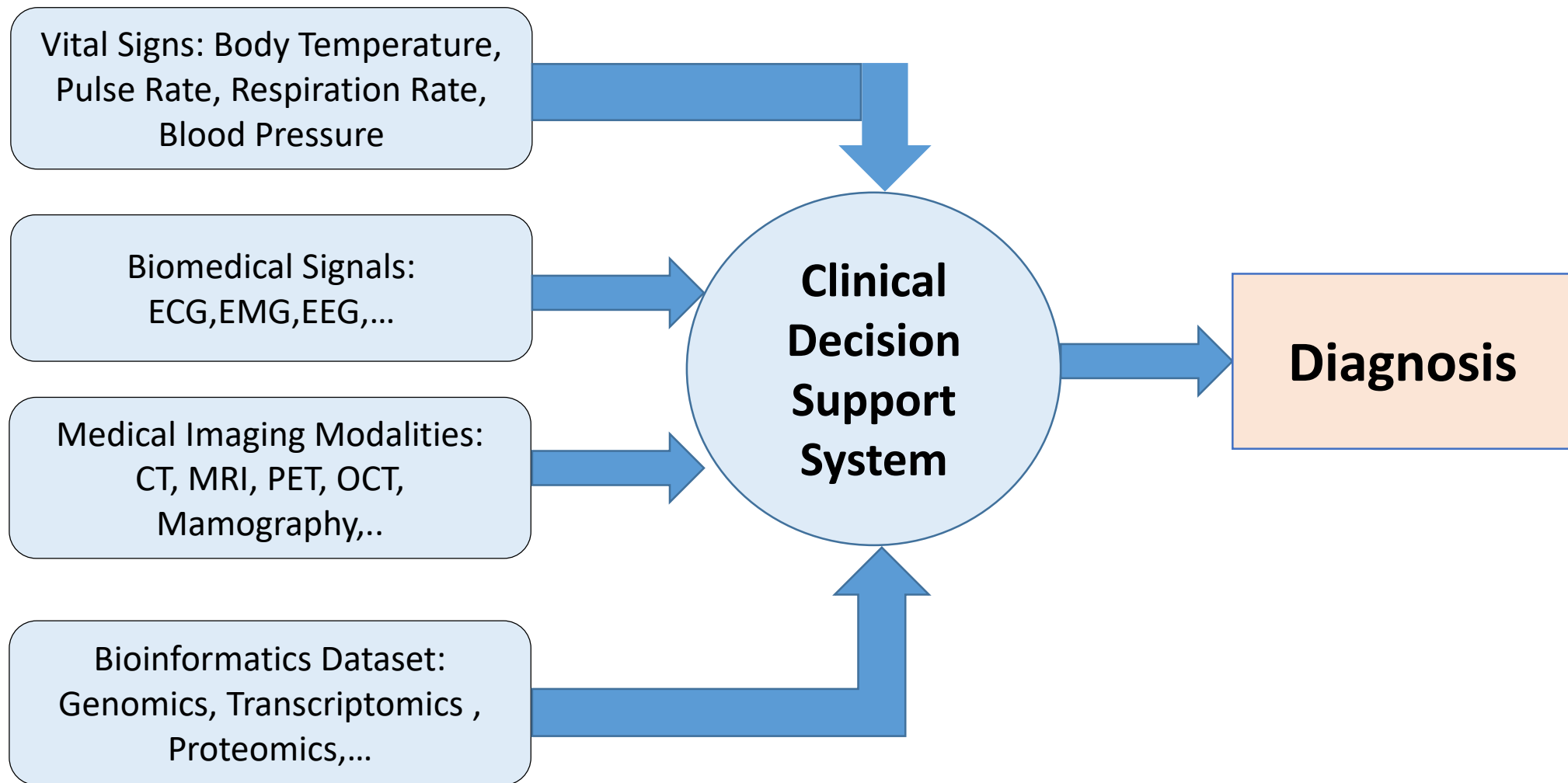
Biomedical Data Processing

- Neural Networks
- Clustering Models
- Classification Models
- Regression Models
- Statistical models
- Metaheuristics
- Hybrid approaches
- Genetic Algorithm
- Fuzzy Models





Biomedical Dataset





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Advantages of Using AI in Diagnosis

- Improving the accuracy
- Improving the precision
- Saving time
- Early detection
- Prognosis
- Enhanced decision support
- Increased access to expertise
- Personalized medicine

