Bayesian Deep Learning Algorithms to Predict the Rate of Deterioration in Chronic Kidney Disease
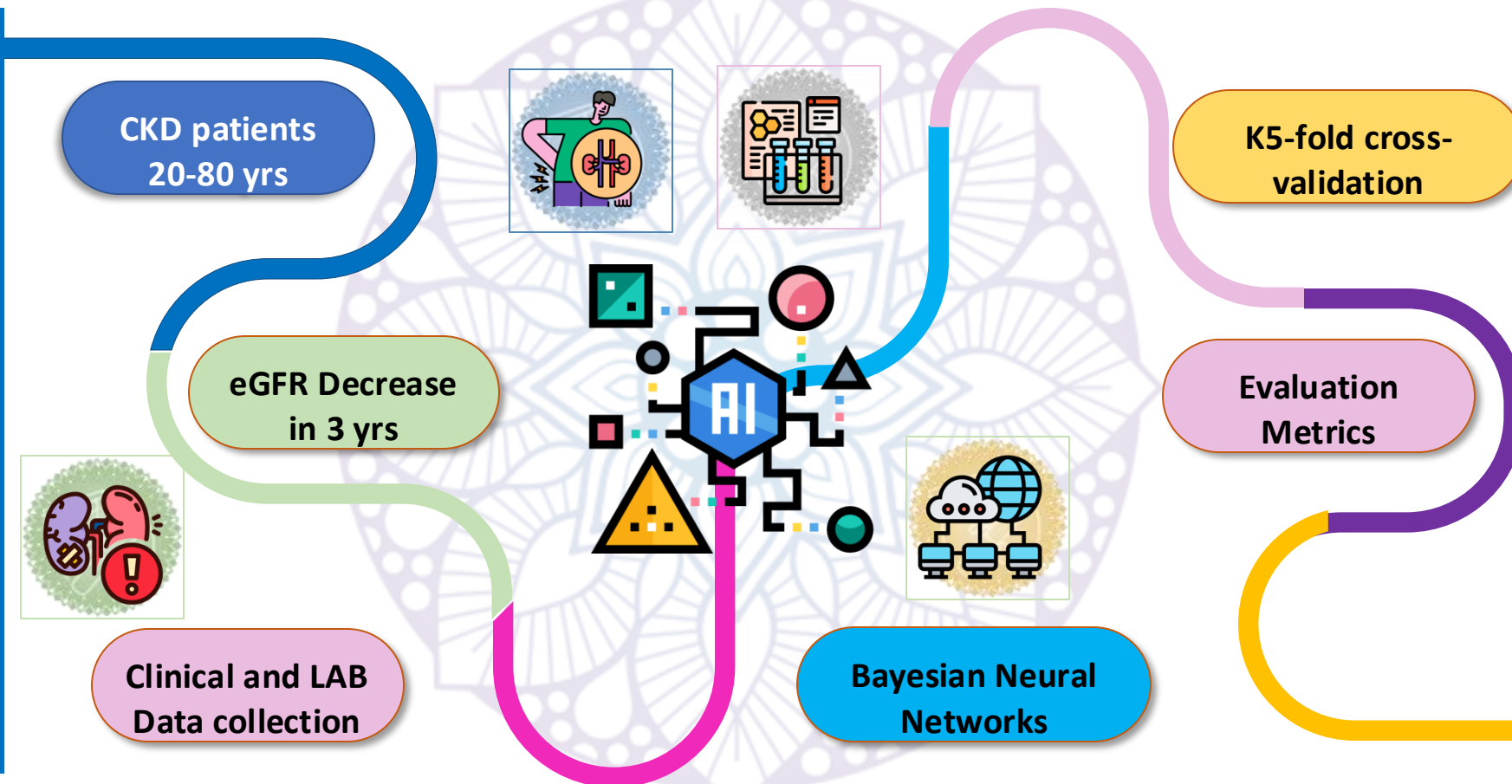
Multicenter Retrospective Cohort Design
7 Hospitals in India
1592 patients

CKD patients 20-80 yrs

eGFR Decrease in 3 yrs

Clinical and LAB Data collection

K5-fold cross-validation

Evaluation Metrics

Bayesian Neural Networks

Risk Strafication for progression severity and likelihood of CKD5

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Conclusion: The Bayesian Deep Learning is effective in accurately predicting CKD progression, enabling early detection and intervention.