

Title: Quality Improvement Project in Improving Compliance to Local Paediatric 2D Echocardiography Sedation Policy

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2D echos in paediatric patients are a challenge due to their obvious anxiety for the procedure for which mild anxiolytic is indicated. Due to the risk profile of sedatives in paediatric populations, strict adherence to local policy is important (includes pre, post dose monitoring and post procedure counselling). This quality improvement project set out to identify the drivers behind not satisfactorily achieving the required standards of compliance to policy and methods to correct them. We essentially identified 2 main drivers- policy not easily accessible in echo suites and issues with manpower and equipment distribution needs to comply with policy. Following this we explored 4 secondary drivers to this and implement 3 changes/interventions in a phase wise manner per cycle of the audit to yield sequential improvement to compliance. The interventions were as follows- creation and implementation of checklist stamp for each patient to be given sedation, procurement of 2 additional pulse oximeters and lastly training the echo technician to take over policy compliance role in the absence of nurse. We were able to demonstrate a significant improvement of policy compliance across 3 of its sub domains making it a model that can be replicated and implemented in other areas of outpatient paediatric sedation need like EEG and ECG.

Biography

Dr. Tanmay Jadhav has completed his MBBS from King Edward Memorial Hospital, Bombay and is currently an FY2 trainee at Mid Cheshire Hospital Trust, UK. He has published 2 original studies and is currently also a research assistant with Association for Socially Applicable Research NGO. In his current role he is working on innovative papers with researchers from Harvard and Duke looking into access to surgical and radiological care in rural india. They hope to be able to use the data to impact national policy planning.

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