

Llooked at the American **Board of** Radiology (ABR) and **ÎHI** websites and it seems like there are a few items I should prepare during the planning phase:

## 1. TITLE & ABSTRACT

2. IOM AREA

3. AIM STATEMENT

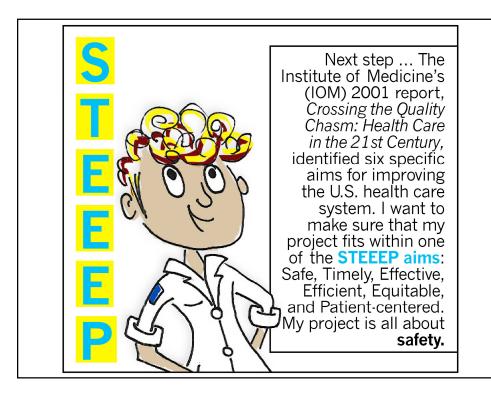
4. METRIC

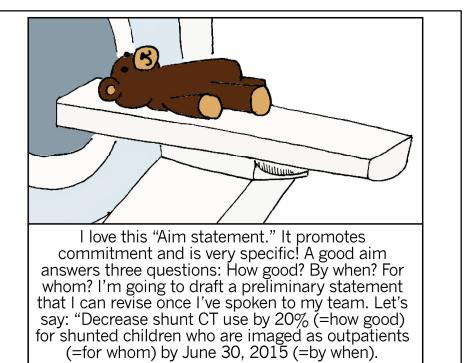
**5. FEASIBILITY** 

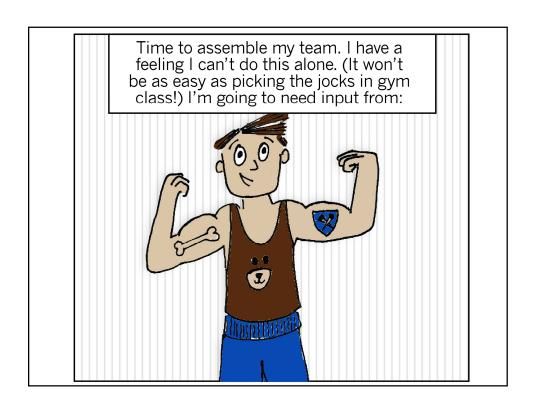
My study title is

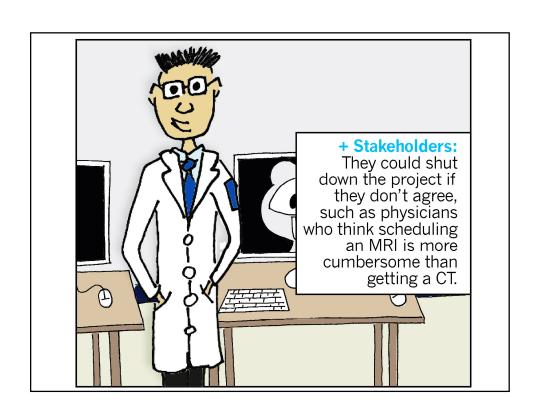


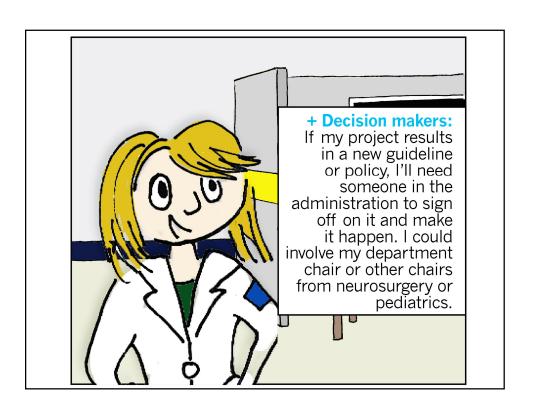
... and the abstract is just a sentence about the goal of decreasing radiation exposure.

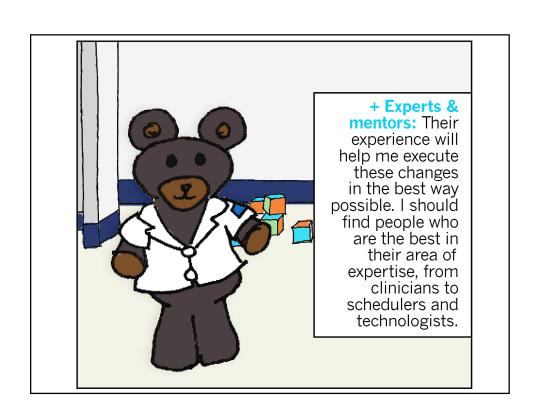


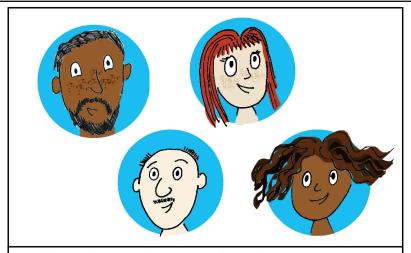












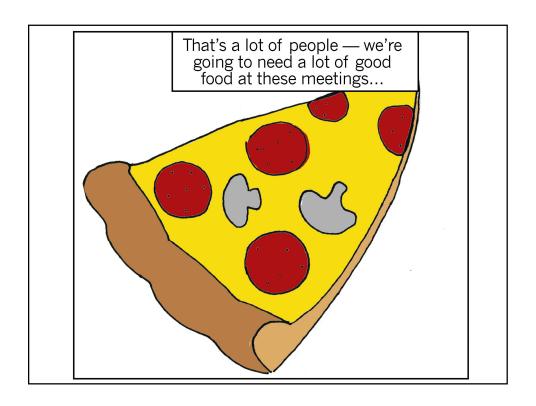
+ Front-liners: These are the folks who are part of the process. They will be most affected by any changes and will be the ones executing any new procedures or policies. They need to be involved because they will have great ideas about how best to optimize the existing workflow.

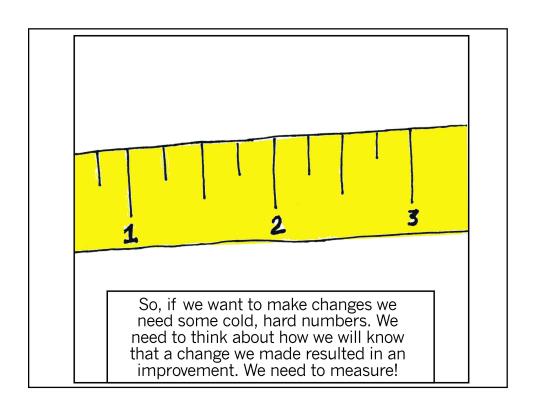
It's important to really think of everyone. My team should include members familiar with all the different aspects of the MRI process: neurosurgeons, emergency physicians, PAs, nurses and technologists in radiology, schedulers, administrators, neuroradiologists, and perhaps a patient representative.

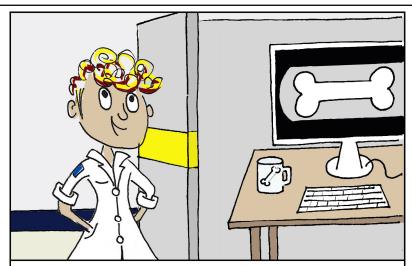




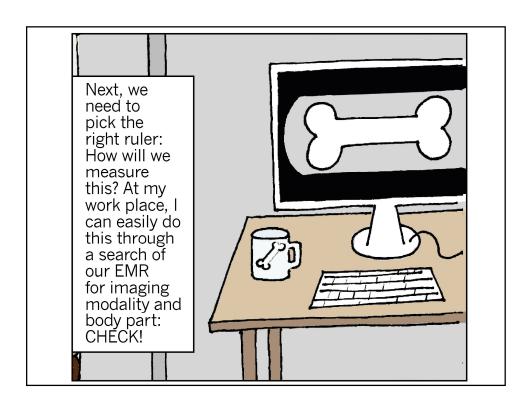




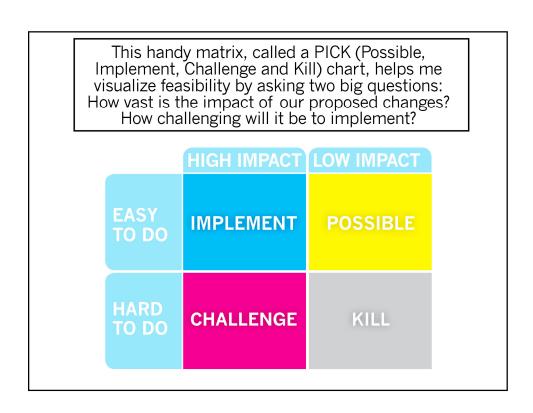




First, we need to know our baseline, like the number of brain CT scans performed monthly on children with ventricular shunts. A decrease in CT scans (and an increase in fast MRI scans) in these patients will be our outcome measure.

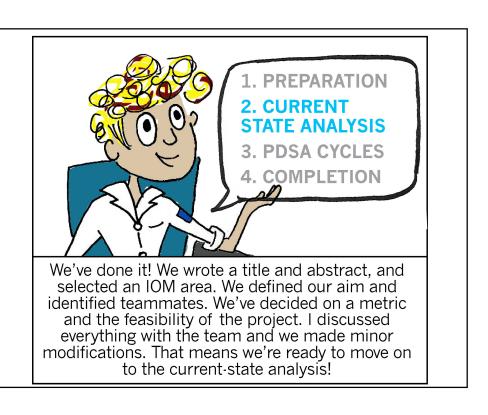




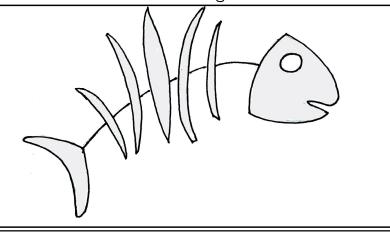


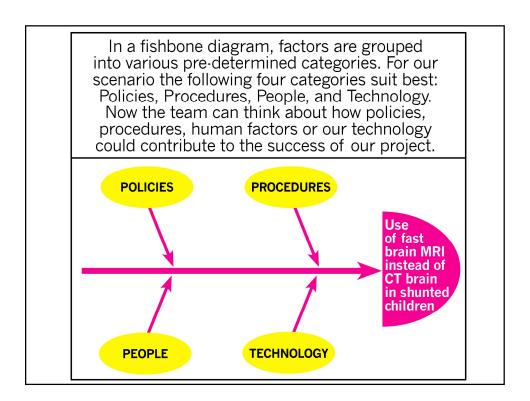
In my opinion, this will have a high impact on the affected patients, but I think it will be moderately difficult to implement because we need consensus from several different disciplines. That makes this a "Challenge" but I'm up for it.

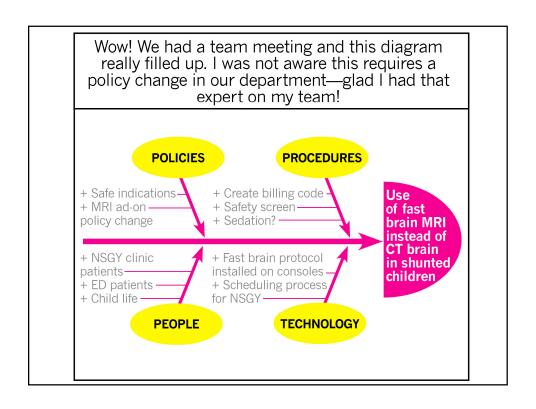


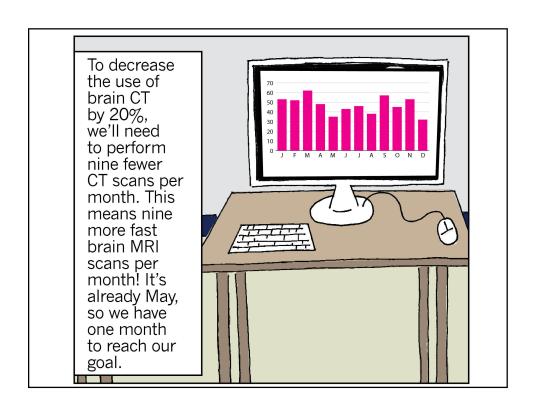


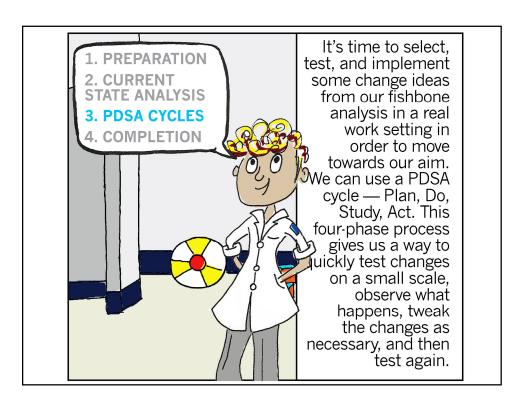
What changes can we make that will result in improvement? There are a bunch of "thinking tools" that help analyze processes and generate improvement ideas, especially when the whole team brainstorms. A commonly used tool is the Ishikawa cause-and-effects diagram, also called a "fishbone diagram".

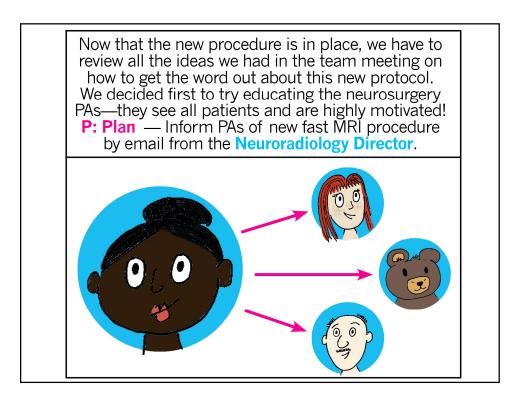


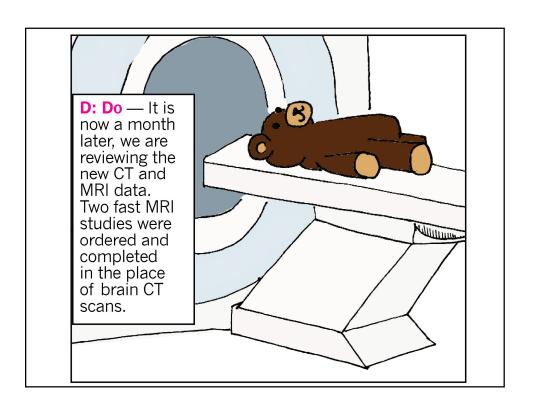


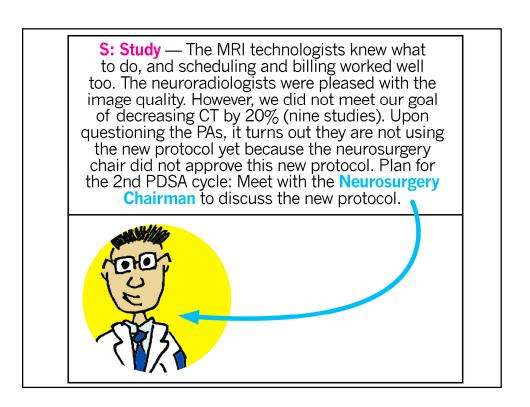


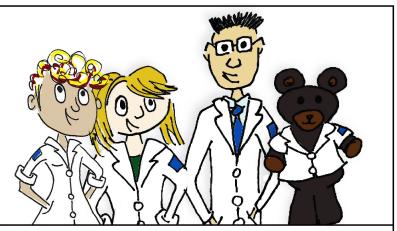












S: Study — Another month later, 10 MRI studies were done. Great joy—we exceeded our goal. The team comes together and we believe we can achieve even more and change our goal to 40%. Our next action is to expand use of fast MRI for children in inpatient locations. We have set a new deadline for September 30.

But my job doesn't end here — I need to take a moment to summarize the project. This means writing up a short narrative of our journey, noting the improvements we've made and the overall value added to patient care. I'll also document the things the team and I did well or could have done better. This sort of reflection will help me to do my next project more efficiently.

