



WESTCHESTER  
MEDICAL CENTER

# "The Fail Fast Principle": Utilization in Healthcare To Improve Radiology Processes

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## BACKGROUND

The "fail fast" principle is a concept often associated with agile and lean methodologies but has an important place in healthcare and especially radiology. It encourages teams to identify potential issues or flaws early in a project's development process so that they can be addressed promptly, ultimately leading to a more efficient and successful outcome.

The principles of "fail-fast" can result in rapid problem identification and resolution throughout the radiology department and improve diagnostic services and patient care.

## PURPOSE

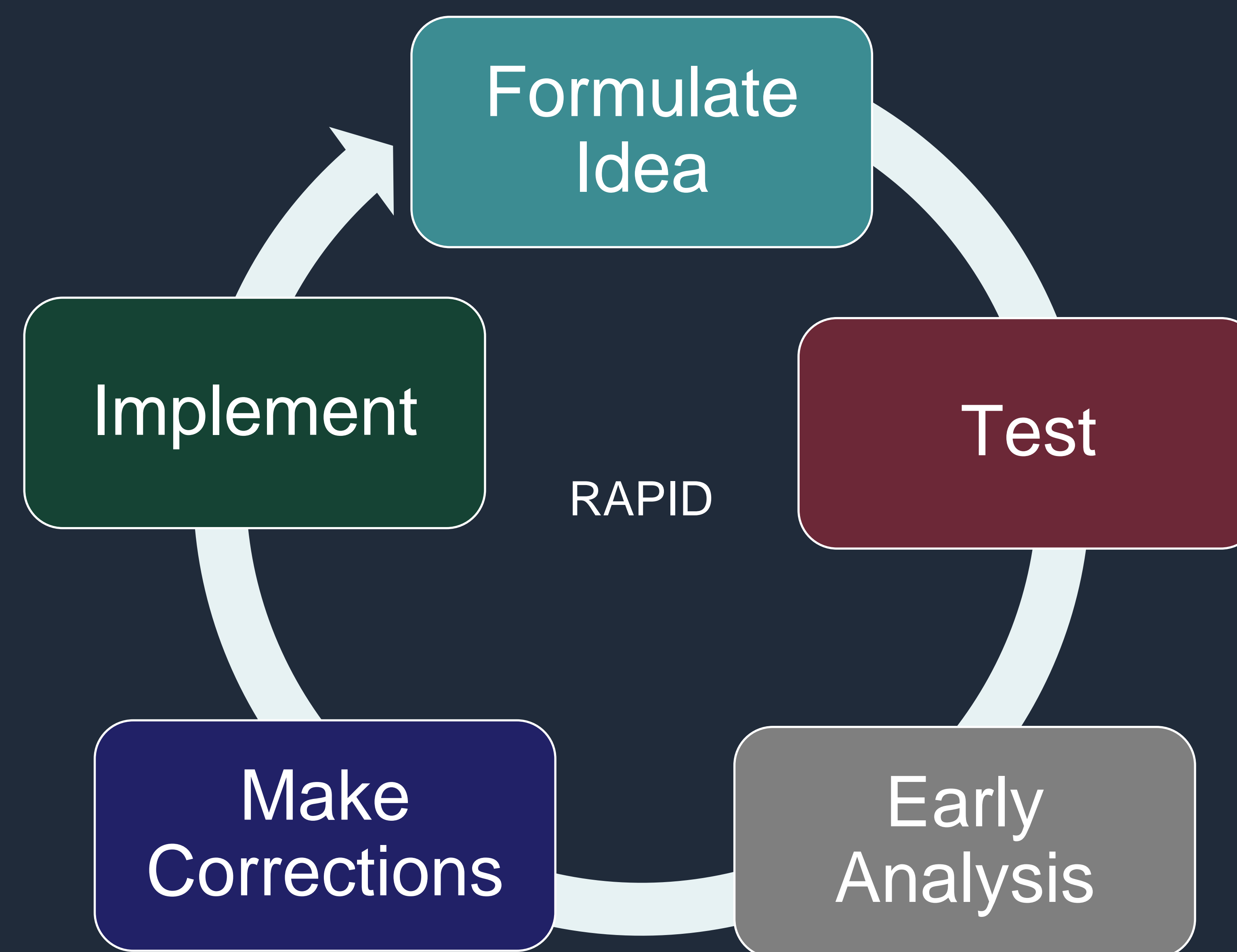
We describe the "fail fast" principle and how it can be applied to performance improvement in radiology.

## METHODS

In radiology, the focus is on providing accurate and reliable medical imaging and diagnostic services. The fail-fast principle can be applied to quality assurance processes, where radiologists and technologists continually monitor and assess the quality of images and diagnoses. Identifying issues with imaging equipment or diagnostic accuracy early can help improve the quality of care.

## RESULTS

Fig 1. Fail Fast Principle for Quality Improvement



Radiology departments can embrace the idea of continuous improvement by encouraging staff to report and address any issues they encounter promptly. When introducing new technologies or software systems in radiology, it's crucial to identify and address any issues or glitches as soon as they arise. By identifying areas where additional training is needed early on, healthcare organizations can ensure that their staff remains up-to-date with the latest techniques and technologies.

## RESULTS CONTINUED

Promoting open communication and collaboration among members of the radiology team can help identify and address challenges or misunderstandings before they escalate. The fail-fast principle can be applied to safety protocols, encouraging staff to report safety concerns promptly and take immediate corrective actions.

## CONCLUSIONS

Failing fast means learning fast. Leaders can avoid blindly pushing an underwhelming radiology product forward by gathering feedback early from trusted customers or other market stakeholders

## REFERENCES

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