



Championing Project Management and Leadership when Identifying a Gap in Clinical Research

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BACKGROUND

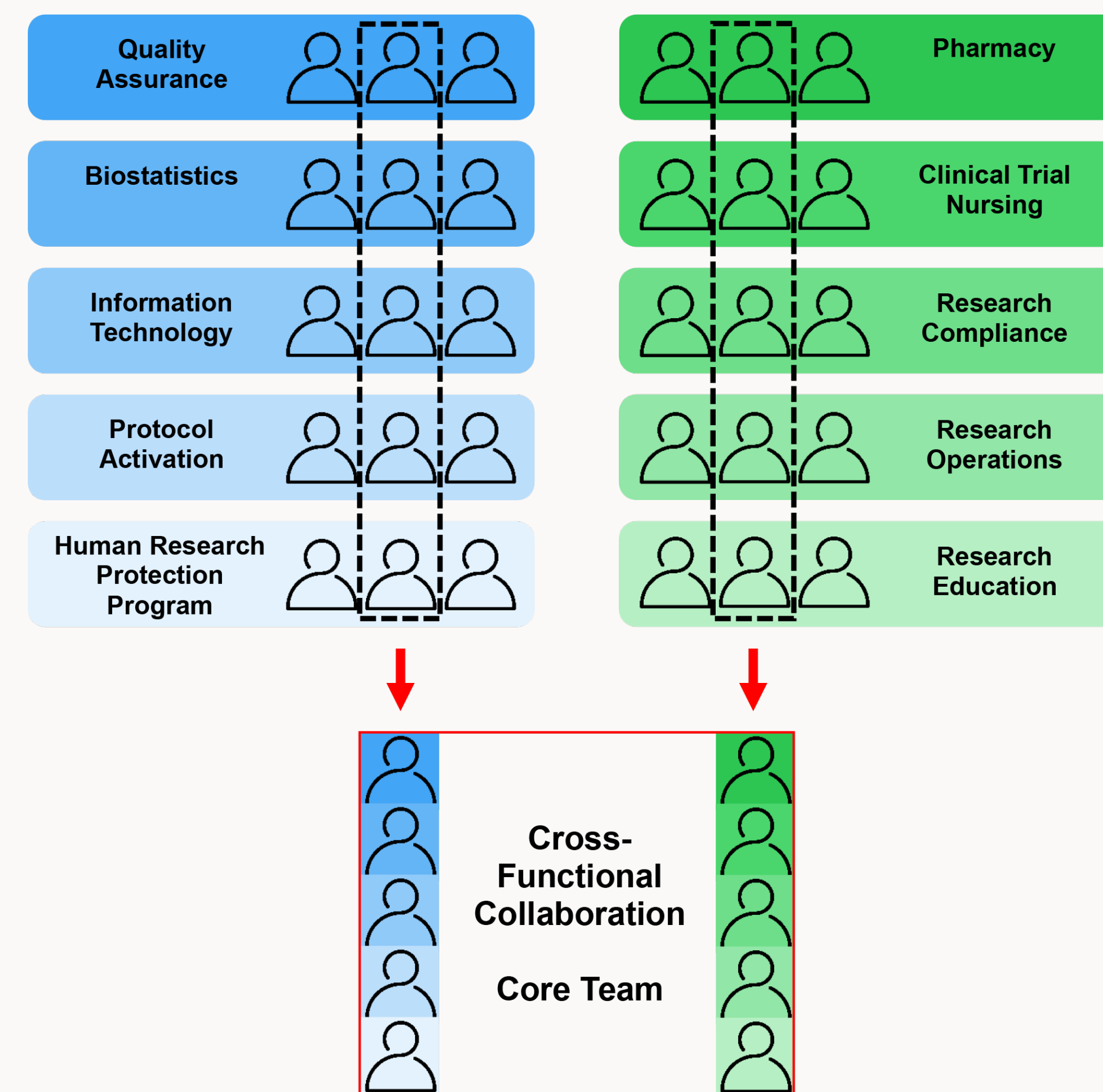
The randomization, blinding, and unblinding processes in clinical trials are essential cornerstones in clinical trial methodology, ensuring unbiased participant allocation to treatment groups and the eventual disclosure of study results. Standard Operating Procedures (SOPs) are indispensable tools for maintaining consistency and quality in such processes. However, the absence of a defined SOP for randomization, blinding, and unblinding poses significant risks to participant's welfare, trial integrity and regulatory compliance. This case study delves into how Memorial Sloan Kettering Cancer Center's (MSK's) Clinical Research Quality Assurance (CRQA) team identified the absence of a randomization, blinding, and unblinding guidelines, and proactively addressed this gap.

GOALS

The principal aim of this project was to provide guidance, tools, and templates to all study personnel involved in the development and implementation of the randomization, blinding, and unblinding process, to ensure consistency, regulatory adherence, and protect the health and welfare of participants. Moreover, the project sought to exemplify effective project management and leadership in navigating cross-functional collaboration and overcoming inherent challenges in SOP development.

METHODS

Due to the complexity and interdisciplinary nature of the randomization, blinding, and unblinding policy, the CRQA team assumed responsibility in recognition of the extensive overlap between various departments involved in the policy's implementation. With input required from multiple teams, the traditional method of determining ownership through departmental meetings would have been time-consuming and potentially inefficient. The CRQA team initiated the project by conducting an exhaustive assessment of existing processes and documentation concerning randomization, blinding, and unblinding processes. Through stakeholder engagement and cross-functional collaboration with pertinent departments such as Biostatistics, Protocol Activation, Human Research Protection Program, Pharmacy, Clinical Trial Nursing, Research Compliance, Research Operations, etc., the team pinpointed essential requirements and best practices for randomization, blinding, and unblinding processes. Leveraging project management methods and regular communication channels, the CRQA team drafted the SOP, facilitated meeting sessions, solicited feedback, and iteratively refined the document.



RESULTS

The collaborative endeavors of the CRQA team culminated in the expedited and successful development and implementation of a comprehensive SOP for randomization, blinding, and unblinding processes. Moreover, the institutional protocol template was updated to incorporate instructions and placeholders to describe the randomization, as required by the new clinical research SOP. By assuming the leadership role and effectively managing the project, the CRQA team ensured that all stakeholders were engaged, and their expertise was harnessed throughout the process. The new SOP not only rectified the identified gap but also elevated overall quality assurance practices within the organization. Furthermore, the project served as a testament to the significance of proactive problem-solving, effective communication, and strong leadership in propelling continuous improvement initiatives in a clinical research program.

CONCLUSION

This case study underscores the pivotal role of project management and leadership in addressing critical gaps in protocol management processes within clinical trial operations. By spearheading cross-functional collaboration and steering the development of vital SOPs, quality assurance teams can uphold the highest standards of quality, integrity, and compliance in clinical research programs. Through proactive identification and resolution of deficiencies, organizations can fortify their processes, ensuring the reliability and validity of trial outcomes while adhering to regulatory standards. As exemplified in this case, effective project management and leadership are indispensable in driving transformative changes.

