An electronic, web-based Document Management system was created using Microsoft Office "SharePoint" (Microsoft, Redmond, WA). The system was designed to automate the creation of patient orders, documentation and relevant testing. The system was created to expedite workflow and reduce errors. Only accessible within Radiology, it is ready to be signed (Fig. 3).

Methods

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Results / Impact on Safety

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Discussion

Benefits gained from the document management system include:

- Reduced time to complete orders
- Improved safety
- Increased order compliance
- Reduced errors
- Increased order accuracy
- Improved physician satisfaction
- Reduced error rates
- Increased efficiency

Conclusions

This system has increased technologist efficiency and improved patient safety. The number of medication errors has decreased due to an automated dosing system. Order documentation has improved due to automatic electronic submission of the orders directly to the hospital’s medical records department.

References