

Faster CT scan protocol authorization based on web scraping solutions improves patient care

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Development and function of our web scraping tool.







Brief group definition and statistical analysis.

7 *We authorized these patients during a night shift in April 2021*

With Tool

Without Tool

Another resident not knowing our tool authorized these patients during a regular night shift in April 2021

Mann-Whitney U Test

Group 1 → with tool Group 2 → without tool





We calculated the average time between ordering and authorizing a CT scan with and without our tool.



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We observed a decrease in time between exam order and authorization.





Improves patient care





Here's the code of our web scraping tool.



https://github.com/eduardocaminha/ctauthorization.git



Thank you.