

PROSPECTIVE STUDY OF WASTE GENERATION AND ENERGY CONSUMPTION FROM A LARGE ACADEMIC GI ENDOSCOPY CENTER: TIME TO TURN TO GREEN ENDOSCOPY

Prateek Sharma

UEG Week Copenhagen 2023

Poster

October 15, 2023

A prospective study of waste generation at a single VA endoscopy unit performing 3500 procedures annually found that inventory auditing could reduce landfill waste by 20 percent, and scope reprocessing contributed significantly to total waste.

KEY POINTS

- Data from 400 procedures over May-June 2022 showed total waste generation of 1010.65 kg, including 51.57 kg sharps and 336.34 kg biohazard waste, with annual landfill waste estimated at 9,189 kg.
- Despite 44 percent of inventory items being recyclable, only 28 percent were actually used in procedures, contributing 8.6 kg waste per day.
- Auditing inventory and using only absolutely needed items could reduce landfill waste by 20 percent per day.
- Scope cleaning and reprocessing generated an additional 194 gallons of liquid waste (735.26 kg) per day, representing a significant source of total waste generation.
- The endoscopy unit consumed an average of 277.1 kW hour energy per day, equivalent to 8.2 gallons of gasoline daily.

VIEW THIS CONTENT ON GUTFLIX

<https://gutflifx.eu/search/d/1a46498c-743d-11ee-add2-0242ac140004>



AI-generated summary

This summary was generated by an AI large language model based on the content transcript. It is for informational purposes only and should not be considered a substitute for clinical judgment. Always rely on your professional expertise and the full clinical context when making clinical decisions.