

How should Imaging Industry and Academia respond to the ESG Mandate? And what potential partnerships should be explored

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I came across a documentation of a panelists' discussion. It gave me my initial eye opening towards on the topic. I thank the discussants for their insights

ESG Mandate



- A mandate, a responsibility expected from the Corporate world to give back to those it derives its benefits from.
- It is an advancement over CSR (Corporate Social Responsibility)
- It takes into consideration care of the **E**nvironment which must be treated right and kept clean from pollution, **S**ocial concerns of various categories of people – staff, customers and consumers
- Ensuring the delivery of these expectations are governed by rules, regulations, Ethics, hence **G**overnance.

ESG Mandate contd



- Important is need for sustainable practices in Radiology Departments and Imaging Industries in producing Healthier Environments and healthier living
- Collaboration between the Corporate world and Academia will enhance beneficial interactions between the two entities

What are the Key ways Radiology Departments can save energy and reduce wastes? What items can be recycled in Radiology Departments today? Radiology departments have high potential to improve their ecological footprint.



- * CTs and MRIs consume a lot of energy . Requests for them must be justified. A recent Luxemburg study found 39% CT and 21% MRI scans inappropriate
- * Switching off workstations after core working hours can considerably reduce energy consumption and costs.
- * Encouraging manual shutdown/restart is effective, but costs valuable working time and results vary with user adherence.
- * In developing countries where electricity supplies are unstable, electricity is powered by Generators which produce smoke and fumes with great polluting effects

What are the Key ways Radiology Departments can save energy and reduce wastes? What items can be recycled in Radiology Departments today? Radiology departments have high potential to improve their ecological footprint.

- * Use of contrast agents, the waste of which end up in flowing water, should be minimized, their use justified and disposal far from flowing water
- * Academia collaborating with Industry to implement Research findings of Academia
- * Academia can also play a role by integrating sustainability into their Institutions' curricula which is now a growing trend



Is remote working Teleradiology helpful for reducing energy use and waste in Radiology? How do we measure impact? Are there any patient Telehealth models that are applicable to radiology

- In my opinion, the answer is No!
- Measurement of impact can be done by evaluating performance against environmental impact, similar to today's assessments of diagnostic accuracy or patient turnaround time.
- An article published in June 2018 in Insights Imaging, peer reviewed cases reported 6% discrepancies while 19% were clinically insignificant.





Thank you for your attention