



Clinical engineering improving care outcomes

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Speaker



Alexandre Ferreli Souza has a degree in Engineering in Electronics at the Polytechnic School of the Federal University of Rio de Janeiro (2000), obtained the title of Master in Biomedical Engineering at COPPE / UFRJ in 2003, MBA in Maintenance Engineering in 2004 (UFRJ), title specialist in Occupational Safety in 2013 (UFRJ) and title of specialist in Clinical Engineering in 2016 (HIAE). He has worked in medical equipment and clinical engineering companies since 1995, as a field engineer, supervisor, coordinator, judicial expert and manager.

He published the book "Maintenance Management in Health Services" (2010) with 3 other authors. He served at the Brazilian Association of Clinical Engineering, as President in the 2017/2020 term. Advised several companies and public agencies. In his field of interest, patient safety, application of Maintenance Engineering standards in the medical-hospital area, and optimization of processes in Clinical Engineering stand out.



Não existe conflito de interesse nessa apresentação

There is no conflict of interest in this presentation

Introduction

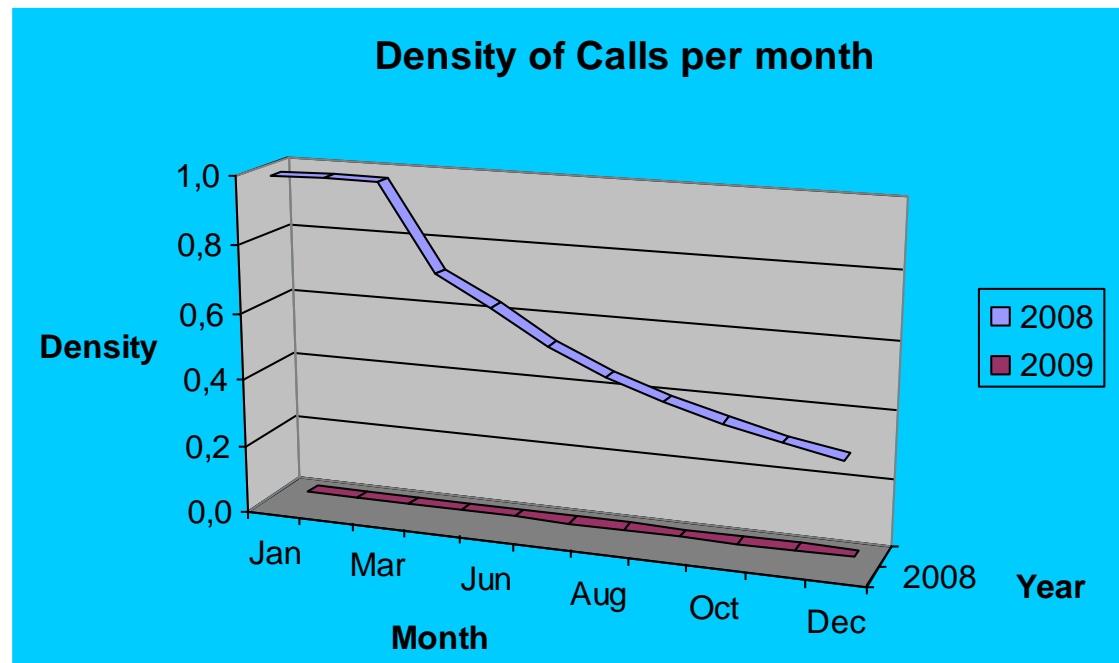


- Clinical Engineering:
 - is core business of Healthcare;
 - helps to improve the care outcomes;

Practical cases



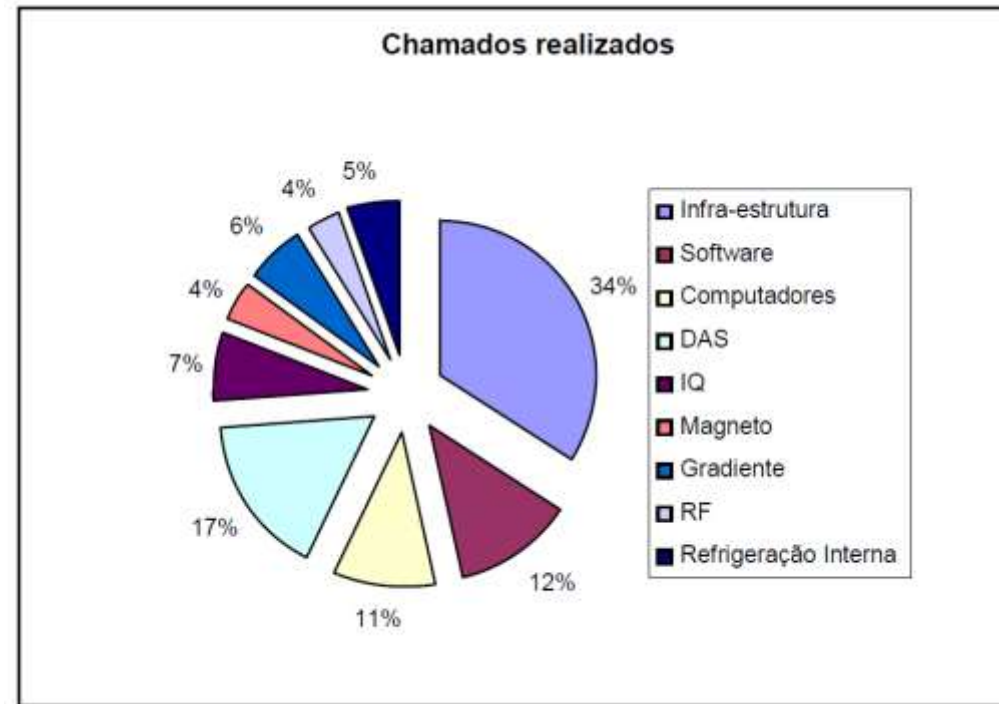
1. Decreasing accidents and downtime of MRI equipment in a radiology service



Practical cases



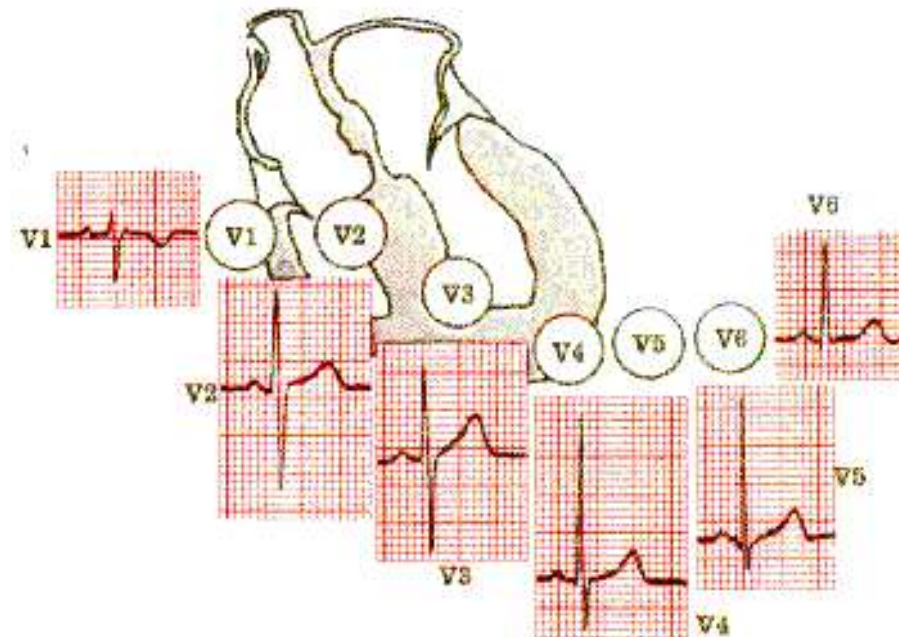
2. Inherent availability of MRI devices and incremental solutions.



Practical cases



3. Problems with ECG



Practical cases



5. Acquisition faults



Conclusion



Clinical Engineering:

- is core business of Healthcare;
- helps to improve the care outcomes;

Our presence is vital in Healthcare units!



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