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Background

Despite the proliferation of research on CSSD, most studies have investigated each processing step for safe use of devices. Few researchers have attempted to isolate the key dimensions of CSSD in measurable form. Offering services that meet quality criteria with legal basis and scientific evidence is essential for patients and professionals safety.

Objective

Developing an access system that allows scoring the features offered in CSSD and automatically consolidate the evaluation scores.

Methods

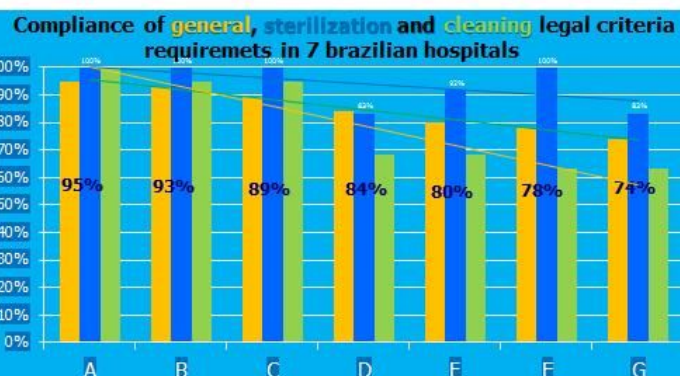
Adaptation of an audit tool developed in Excell®, previously designed by the author for small clinics with criteria based on current legislation. The points were placed within a spreadsheet that automatically review the result informed, scoring according to basic criteria validated by 5 health professionals with more than 5 years working in CSSD working at health care government system, one public hospital, one private, one third part sterilization services. Each item has a different level of requirement according to the different risks attributed to it. The evaluation system divides the areas as the importance attributed by the authors. Device cleaning, preparing/inspection, package and sterilization contributed with 49% of the spreadsheet's points. For organizational conditions and human resources; equipment and infrastructure; receiving products, transportation, storage and waste were established 17% of points to each group. Scores can be changed according to the different regulatory requirements of countries and / or innovations in processing if changes are validated by expert s in the field. The instrument were tested and seven CSSD scored by a nurse of the health of Brazil surveillance system.

Results

The instruments generated total scores ranging from 74 to 95% of compliance. Sterilization criteria reached the highest scores ranging from 80 to 100% and from 60 to 100% clean.

	ANSWERS	% Goal	% Reached				
1 - INFRASTRUCTURE				9 - STORAGE			
1.1- dimension as demand and processing	Class 2 in all areas	1,00%	1,00%	9.1-Centered exclusively place of restricted access	YES	1,00%	1,00%
SUB TOTAL	6 ITEMS = POINTS ->	6,00%	6,00%	SUB TOTAL	ITEMS = 3 POINTS ->	3,00%	3,00%
2 ORGANIZATIONAL CONDITIONS				10- TRANSPORT			
2.1 - > 500 surgeries / month	Yes	1,00%	Não po	10.1- Closed containers with packing integrity maintain	YES	1,00%	1,00%
2.2 - Processing Committee (CPPS)	YES	1,00%	1,00%	SUB TOTAL	6 ITEMS = POINTS ->	6,00%	6,00%
SUB TOTAL	8 ITEMS = POINTS ->	8,00%	8,00%	11- WASTE MANAGEMENT			
3 HUMAN RESOURCES				11.1- Recycle Bin with lid and pedal and garbage bags as	YES	1,00%	1,00%
3.1- University professional level to coordinate and	YES	1,00%	1,00%	SUB TOTAL	4 POINTS = ITEMS ->	4,00%	4,00%
SUB TOTAL	6 ITEMS = POINTS ->	6,00%	6,00%				
4 - EQUIPMENT							
4.1a - Qualification of autoclave- installation / operation	YES	1,00%	1,00%				
4.5- Sealers calibrated annually	YES	1,00%	1,00%				
SUB TOTAL	11 ITEMS = POINTS ->	14,00%	14,00%				
5 - PRODUCTS OF RECEPTION							
SUB TOTAL	4 POINTS = ITEMS ->	5,00%	5,00%				
6 - CLEANING PRODUCTS FOR HEALTH							
6.1- There is description of the cleaning process? Pop	YES	1,00%	1,00%				
6.2 - CME class II HVAC 18:22 degrees C	YES	1,00%	1,00%				
6.13- Disposal biological material and sharps	YES	1,00%	1,00%				
SUB TOTAL	13 ITEMS = POINTS ->	13,00%	13,00%				
7 - INSPECTION PREPARATION PACKAGING							
7.1- Packaging Types guarantee maintaining sterility and regulated by ANVISA		3,00%	3,00%				
7.11- Tops easy to clean	YES	1,00%	1,00%				
SUB TOTAL	13 ITEMS = POINTS ->	17,00%	17,00%				
8-STERILIZATION							
8.1- Sterilization Equipment Type	lave vacuo and the other low tempe	2,00%	2,00%				
8.9 - Class II controlled air conditioning 20 to 24 graus p	YES	1,00%	1,00%				
SUB TOTAL	9 ITEMS = POINTS ->	13,00%	13,00%				
Example of score:							
Dry heat = -1							
Gravity Autoclave> 100 liters = 1							
Autoclave vacuum and outsources thermosensitive = 2							
Vacuum autoclave and another low temperature = 2							

2- Organizational conditions	9- Storage	10- Transport		
4- Equipment 1- Infrastructure				
5 Reception, 3- Human Resources, 11- Waste				
6- Cleaning, 7- Inspection, Preparation packaging, 8- Sterilization				
Final Score	100,00%	100,00%		



Conclusion

The system is practical and easy to use and can be applied in any plant. The identification of areas of improvement through individual points and comparative can be verified. The score can lead to challenges to compliance with legal requirements and implementation of quality to achieve higher levels of punctuation. It is suggested to use the system for self inspection.

References

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