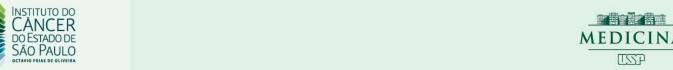


INSTRUMENT TRACKING IN THE UNIVERSITY HOSPITAL **OF SÃO PAULO**

JOÃO FRANCISCO POSSARI Nurse Director of Internal Patients

Instituto do Câncer do Estado de São Paulo "Octávio Frias de Oliveira" - ICESP

March 17th, 2010









Instituto do Câncer do Estado de São Paulo - ICESP "Octávio Frias de Oliveira"

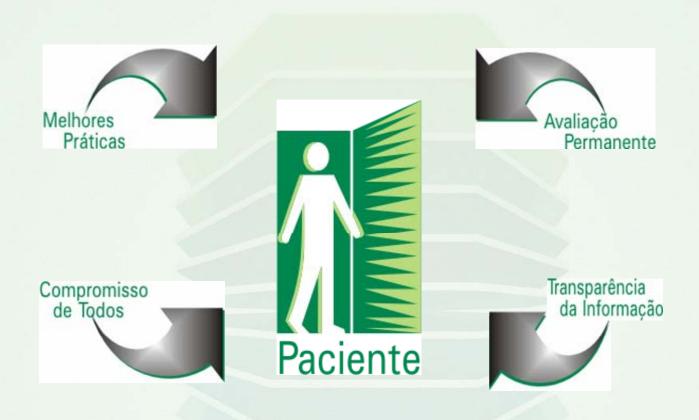
- OSS Social Health Organization, created by the State Government in partnership with the FFM;
- Be the largest specialized hospital in the cancer treatment of the Latin America;
- ICESP is the result of R\$ 270 million of investments in works and equipment;
- Opened in May 6, 2008;
- Full operation in December 2010







THE QUALITY MUST BE PERCEIVED BY THE USER...



"Provide multidisciplinary assistance with high complexity of excellence to the cancer patients and collaborate for the diffusion and improvement of the medical knowledge on cancer"





PRODUCTIVITY - ICESP - TOTALLY IMPLANTED

Operation Room

- 15 OR Inpatient surgeries
- 7 OR Ambulatory surg.

Surgeries

- 16.000 surgeries/year
- 1.300 surgeries/month

CSSD - Stock

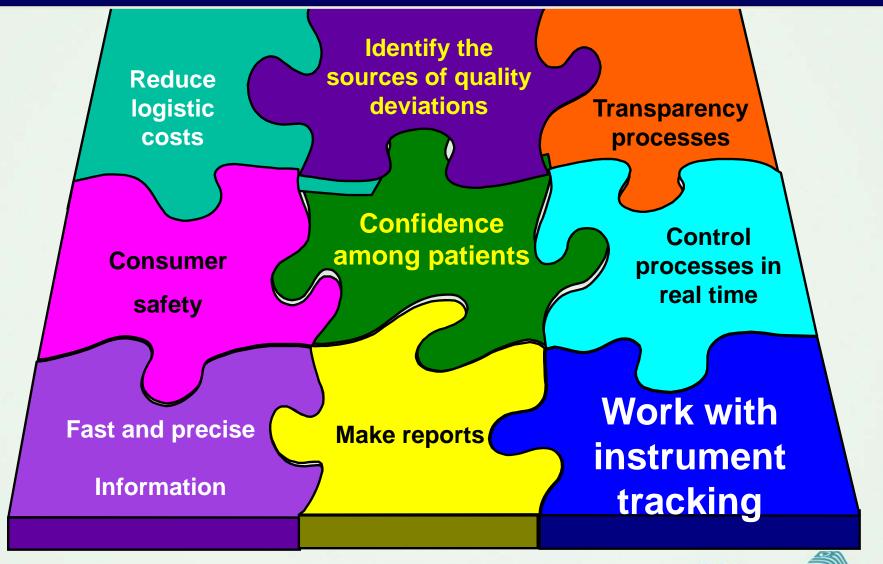
Surgical Instruments – 23.000 pieces

388 sets

Investments – 17 million R\$ (ca. 6.8 Mio. €)



DATA MANAGEMENT & INFORMATION SYSTEM IN THE CSSD



Support to the administrative action!!!!





System allows expansion Required (flexibility) System controls all **Caracteristics** process steps System can get information in any point of the hospital **System emits reports** There is support to the system and training It is easy to implant System gives recommendations Possibility for single instrument tracking How to choose a Software to Instacount support the Data Management ® Plus and information of the CSSD **Software**

Why did ICESP implement the tracking of surgical instruments?

Inventory management;

Control the repair of pieces;

Control the loss of pieces;

Satisfaction of the users;

Produce instrument sets correctly;
 Patient safety;

Provide fast and precise information in real time;

User demands;

"they want to know where do their materials come from and how it is reprocessed"

Legal Impositions.

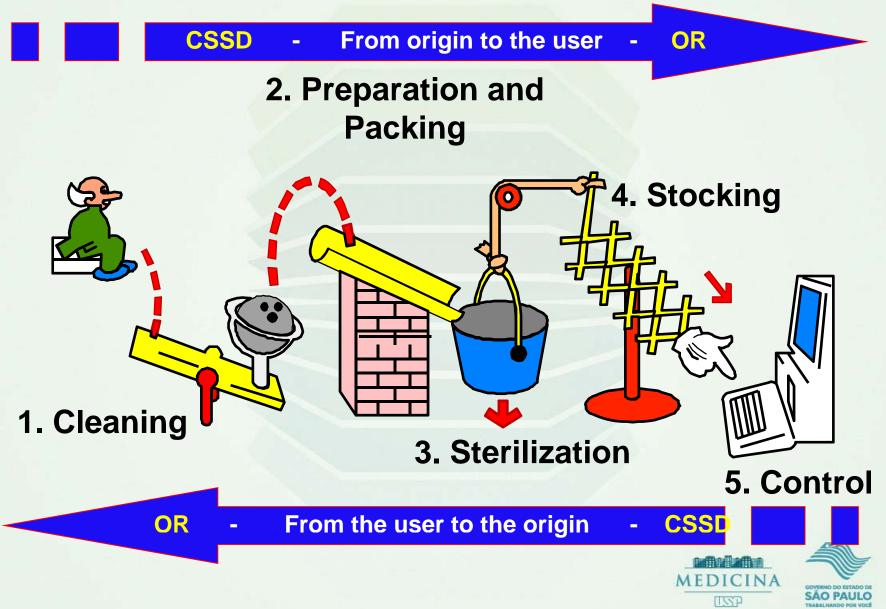
Brazil. RE nº 2606, de 11/08/2006 - reprocessing Brazil. RDC nº 8, de 27/02/2009 - microbacterial infect.







CHAIN OF TRACEABILITY



DECONTAMINATION AREA





PREPARE AND PACKAGING AREA





BATCH LOAD AREA





BATCH RELEASE AND STOCK AREA





ASSEMBLING OF OR-CARTS





OPERATING ROOMS





ASSEMBLING OF INSTRUMENT SETS







Prateleira 11 - Linha B C-VBILIAR/2/SATI

- 1. Open the program
- 2. Read each instrument with datamatrix;
- Set with 50 pieces 20 minutes the time varies from person to person the time of contact with the system;
- 4. Recount the quantity of pieces activity created at the ICESP;
- 5. Emit the count sheet;
- 6. Print the identification label of the production unique number



Reports – Repair orders for instruments

Pedido de Reparo

Nº pedido: 000003-090624-R Roge

Data: 24/06/2009

Pessoa: Rogério H. de Sousa

Unique instrument identification code (Datamatrix)

MBosteos

Pos.	Qtde.	Item	Fabricante
1 N/S:	1	BC561R To soura Mays, Harrington Crv.230Mm BC561R-AT0QF Tesoura trincada - Cx. Prostate Ciste 1A	Aesculap
2 N/S:	1	BD511R Pinça Adson Fina 1X2D.120Mm BD511R-ATB5Q Cx CA AP Dig. 3A - Ponta torta	Aesculap
3 N/S:	1	BD052R Pinça Anat.250Mm BD052R-AT1H8 Cx Prostate ciste 01 - polimento	Aesculap
4 N/S:	1	FB404R Pinça Debakey .2,0Mm 240Mm FB404R-AT2HM Cx prostate ciste 01 - polimento	Aesculap
5 N/S:	1	BH135R Pinça Arterial Kelly Crv.140Mm BH135R-AT7UG Cx. prostate ciste 01 - Polimento	Aesculap

5 Posições

5 Itens

Reports – Missing items

Período: 16/06/2009 - 30/06/2009

Ordenado por: LostDateTime

25/06/2009

Página 1 de 1

Rastreabilidade de itens perdidos

Unique instrument identification code (Datamatrix)

Nº item	Descr. item	Qtde.	Preço	Caixa	Ausente em em por
Item N/S		l	Jnidade	Total Centro custo	Ponto controle
BJ103R BJ103R-AT0EY	Pinça Diss.Gemini 200Mm	1	0,00	0,00 CPL FIGADO 2, C-FIGADO, 2 CME	16/06/2009 07:46 kati Estação de montagem
BH111R BH111R-ATAHH	Pinça Mosquito Halsted Crv.125Mm	1	0,00	0,00 CPL COLON-RETO 2, C-CORETO, 2 CME	24/06/2009 12:05 Roge Estação de montagem
Total:		2		0,00	

No Instrument loss

Surgical Center



At the moment

- 1. Count the instruments in the OR;
- 2. During the surgery instrumentation nurse handles the table;
- 3. Count the instruments at the end of the surgery;
- 4. CSSD employee collects and forwards the surgical instruments to CSSD;
- 5. Cleaning and reaccommodation of the OR (average time 25 min.)

Important points

- 1. Instrumentation nurse nurse team;
- 2. Identification of the garbage bag with the OR number the garbage is retained locally for 180 minutes;
- 3. Permanent Training of the nurse team.

Next Step

1. Point at the OR - instrument tracking (Data Matrix



No Instrument loss

Surgical Center



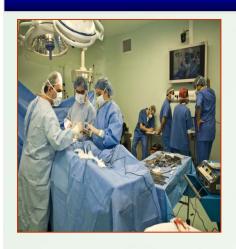
Demonstrative

January 2009 to february 2010

- 1. Surgeries realized 3.835 surgeries;
- 2. Surgery time average 3,3 hours;
- 3. Set quantity/surgery = 2 sets;
- 4. Instruments/sets average = 80 pieces;
- 5. Amount of pieces handled in 14 months = 613.600 pieces;
- 6. Loss of pieces reduced to only 26 pieces
- 7. Stock ~23.000 pieces 388 sets.



DATA MANAGEMENT & INFORMATION SYSTEM IN THE CSSD



Conclusion

The system and single traking of instruments permits the fast and regular overview of productivity and quality indicators for the sterilization process, facilitating the management of the CSSD.

Furthermore, it provides more transparent data, ensuring the reliance of the entire process and patient safety.

The success of implementation of Management System in the **CSSD** strongly influenced by the culture the organization.

Acknowledgements

Diretoria Geral de Assistência

Diretoria de Tecnologia da Informação

Diretor da Engenharia e Infraestrutura

Diretoria Financeira, Planejamento e Controle

Diretoria Administrativa

Diretoria Executiva

Pelo Apoio e Incentivo no ICESP

MUITO OBRIGADO!!!

joao.possari@icesp.org.br







The coding of single instruments by BBraun Aesculap

•17. March 2010

Referent: Markus Weinert



AESCULAP – A DIVISION OF B.BRAUN

1998: Aesculap AG

 has been integrated as

 Sparte Aesculap

 to B. Braun

 Melsungen AG.

– sales 2008:1.098,2 Mio € (+ 7,3%)

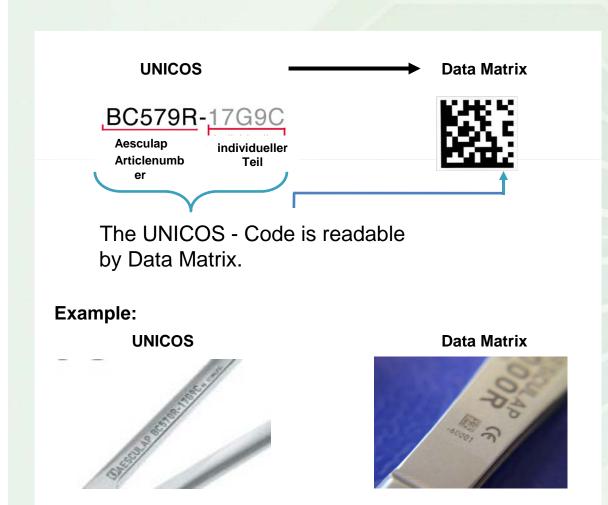
– Area - Investment 2008:

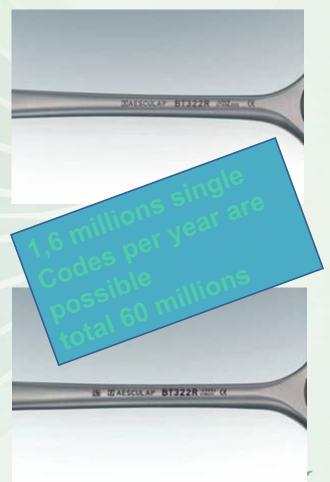






OUR ACTUAL SOLUTION FOR SINGLE TRACKING OF INSTRUMENTS









AT THE MOMENT



X-Module 0.15 mm

2.5 mm



Symbolsize 16 (serial/column)

2.5 mm





22

22



PRESS RELEAS

al for patient safety and supply chain improvements Enables further effe

RFID and traceability systems in healthcare worldwide

sGTIN:

GS1 Healthcare, the g oup, today announced the publication of the GS1 standard for the Automatic Identification and Data Capture (AIDC) of medical products. This des industry stakeholders with a common set of data and data carriers for medical products at every packaging level, including specific guidant

- Appropriate Product cation Keys
- Additional product and production data, for example, lot number, expiration date, and/or serial number (where applicable)
- Data carriers including, linear bar codes, two-dimensional bar codes and Radio Frequency Identification (RFID) tags



Asset IdentifierStart digit

producer code

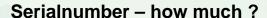
Articlenumber

Check digit Asset identifier

Serialnumber



sGTIN with max. 28 symbols on 2,5x2,5mm



At Aesculap:

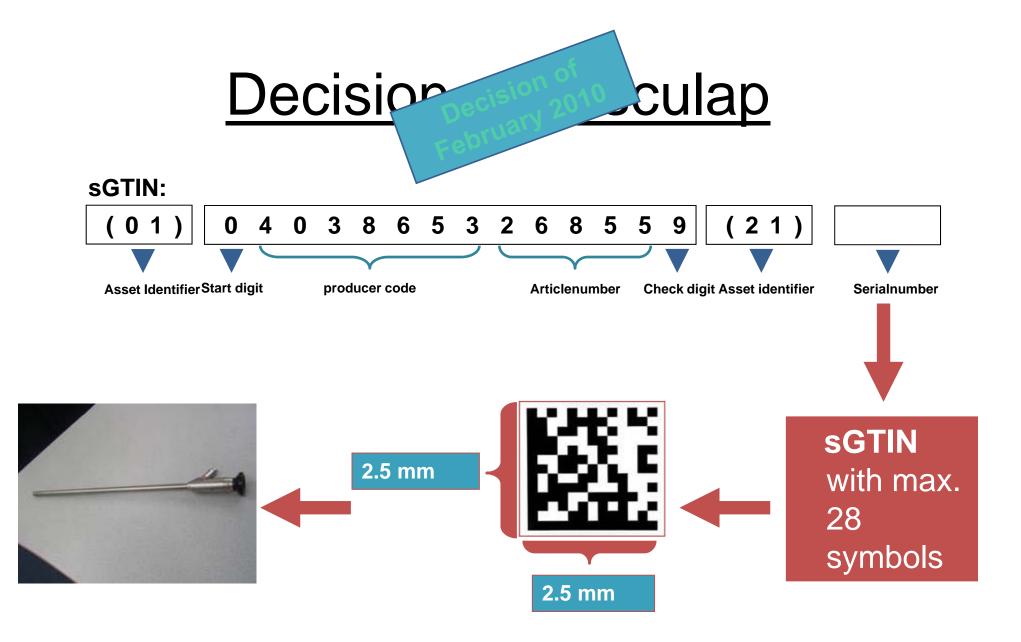
6 symbols alphanumeric

OR

10 symbols numeric









Thank you very much for your attention

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