

VIII Conferencia de las Plataformas Tecnológicas de Investigación Biomédica



Martes 24 Marzo 2015 Madrid

Jose Maria Ortega, *M.Sc. Eng.*
Operations Vice President.

SEDECAL, Presentación

SEDECAL, I+D+i sector Industrial

DESCRIPTION



SEDECAL was founded in Madrid in January 1994.
20 Years History!

ACTIVITY: Design and Manufacture of OEM Electronic and Mechanical Equipment in Medical, Industrial and Veterinary fields.

Sedecal's investment in R&D represent **75%** of the total

FACILITIES: 28,000 m2, with premises in different countries, and Headquarters in Madrid, Spain.

HEADQUARTERS



*C/ Pelaya, 9-13
28110 Algete (Madrid) SPAIN*



CONFIDENTIAL

MARKET: All our products are sold and distributed
in more than 140 countries.



CONFIDENTIAL

EXPORT TO MORE THAN 140 COUNTRIES



EUROPE	Andorra	Lithuania
	Belarus	Luxembourg
	Belgium	Monaco
	Cyprus	The Netherlands
	Czech Rep.	Norway
	Denmark	Poland
	Estonia	Portugal
	Finland	Romania
	France	Russia
	Germany	Serbia
	Greece	Sweden
	Hungary	Switzerland
	Ireland	Turkey
	Italy	United Kingdom

ASIA		Malasya
		Pakistan
	India	Philippines
	Bangladesh	Singapore
	Indonesia	Thailand
	Bhutan	Japan
	China	Korea
	Laos	Taiwan
		Vietnam

MIDDLE EAST	Iran	Saudi Arabia
	Iraq	Syria
	Israel	Sudan
	Jordan	U.A.E.
	Lebanon	Yemen

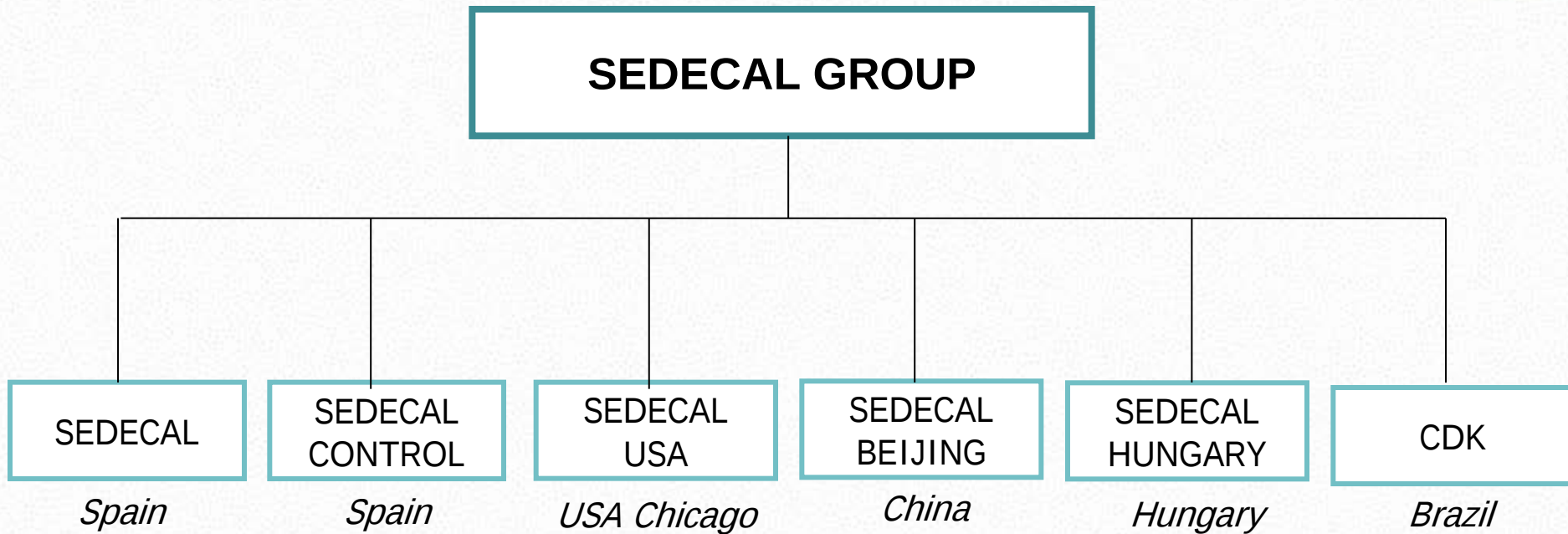
AFRICA	Algeria	Ivory Coast
	Angola	Kenia
	Benin	Lybia
	Burkina-Faso	Mali
	Burundi	Mauritania
	Cameroon	Morocco
	Congo	Nigeria
	Egypt	Senegal
	Eritrea	South Africa
	Ethiopia	Tanzania
	Gabon	Tunisia
	Ghana	Zambia

NORTH AMERICA	Canada	United States
	Mexico	
CENTRAL AMERICA	Costa Rica	Puerto Rico
	Cuba	Dominican Rep.
	Panama	
SOUTH AMERICA	Argentina	Colombia
	Brazil	Peru
	Chile	Venezuela
	Bolivia	

INDIC OCEAN	Comoros	Mauritius
	Madagascar	

OCEANIA	Australia	New Zeland
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GROUP COMPANIES



HEADCOUNT (November 2014)



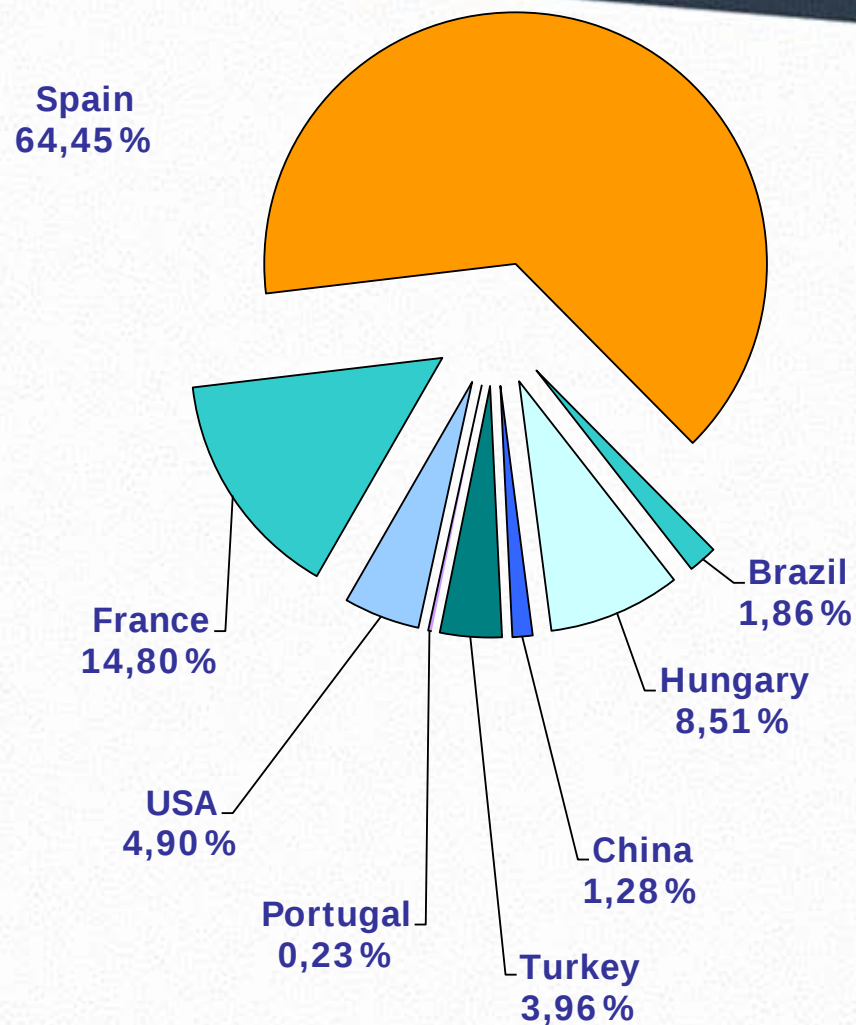
FACILITIES

EMPLOYEES

• Spain	553
• France	127
• USA	42
• Portugal	2
• Turkey	34
• China	11
• Hungary	73
• Brazil	16

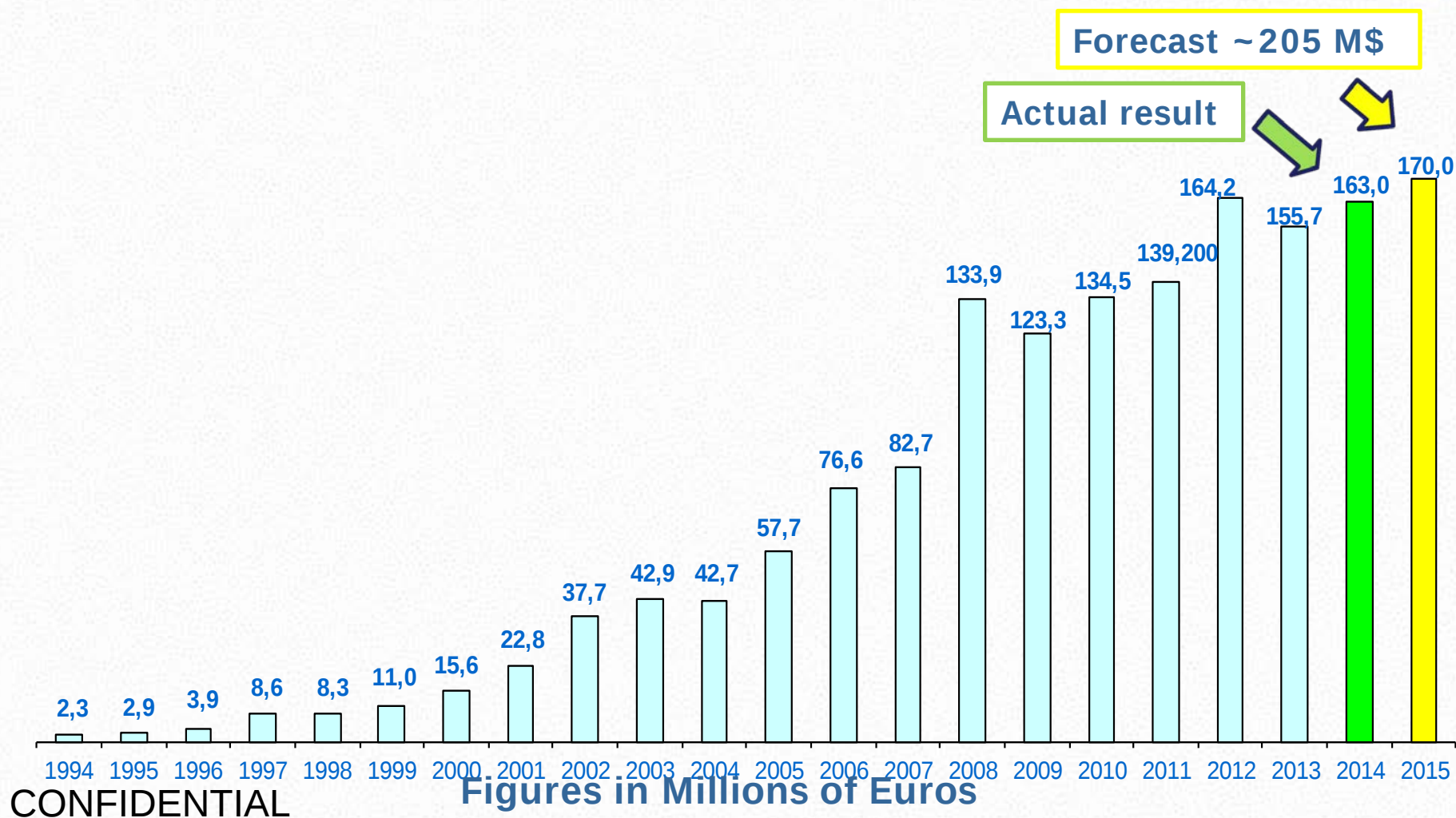
TOTAL 858 vs 811 in 2013

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Sales Evolution

(Millions of Euros)



BUSINESS DIVISIONS



- **OEM MEDICAL DIVISION**
Medical X-Ray
- **VETERINARY DIVISION**
Veterinary X-Ray
- **PRE-CLINICAL DIVISION**
PET / CT
- **HEALTHCARE DIVISION**
Medical Ozone Generators
- **INDUSTRIAL DIVISION**
Sedecal Control – Energy
- **SUBCONTRACTING DIVISION**
Manufacturing of electromechanical systems

OEM X-RAY DIVISION

High Frequency X-Ray Generators



CAPACITOR SERIES
32-40-50 kW

LINE SERIES
32-40-50-64-80 kW

BATTERY SERIES
32-40-50 kW

Consoles



RAD



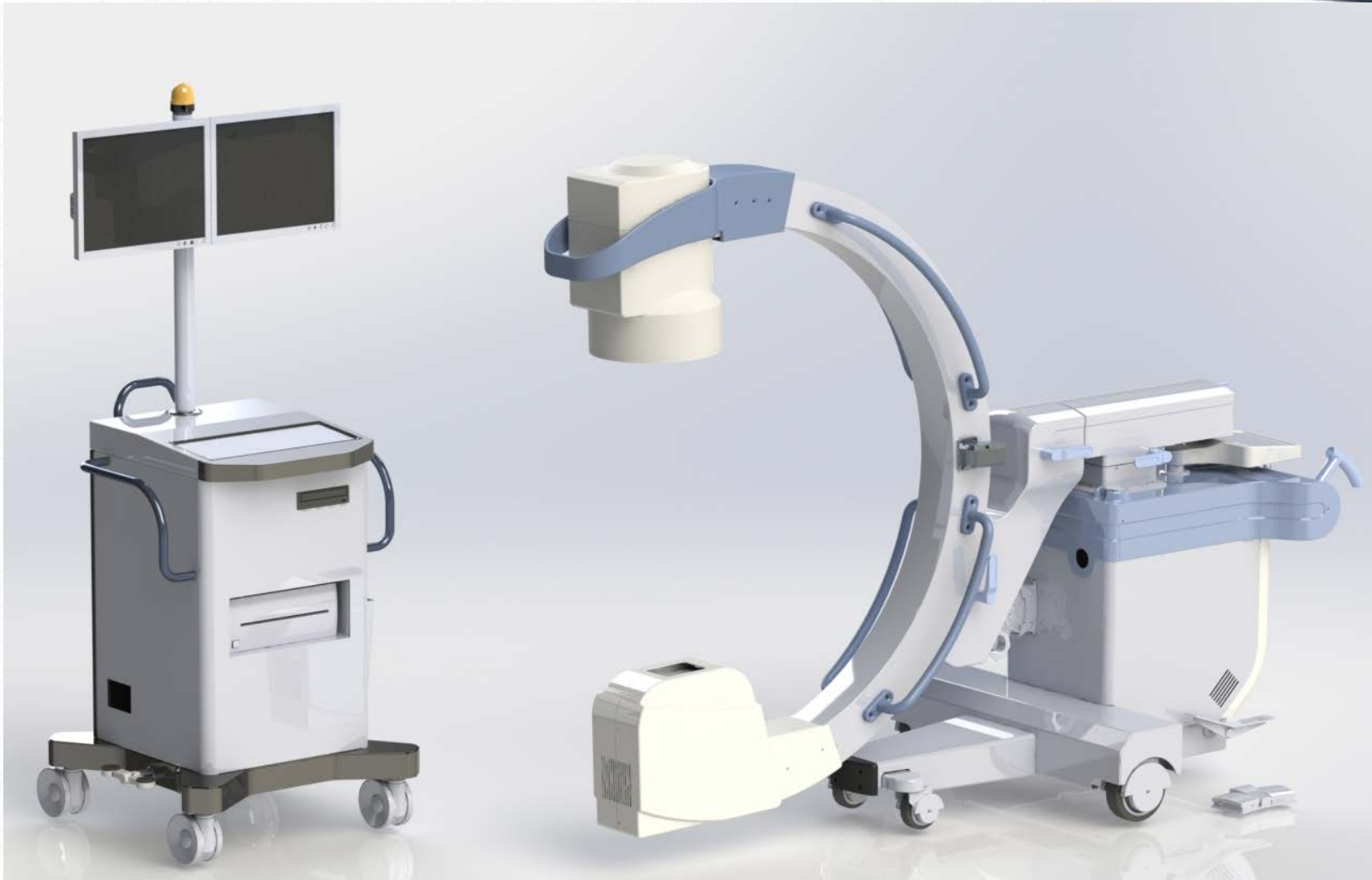
**TOUCHSCREEN
RAD & FLUORO**



RAD & FLUORO

Surgical C-Arms

Made by Sedecal Hungary



Remote Control Fluoro Systems



DDRFL



Image Intensifier

Made by Stephanix France

Radiographic systems , Conventional and Digital



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Radiographic systems , Conventional and Digital



Single Panel



Dual Panel



Universal systems , Conventional and Digital



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Mobile X-Ray Systems



Capacitor



Conventional



Digital

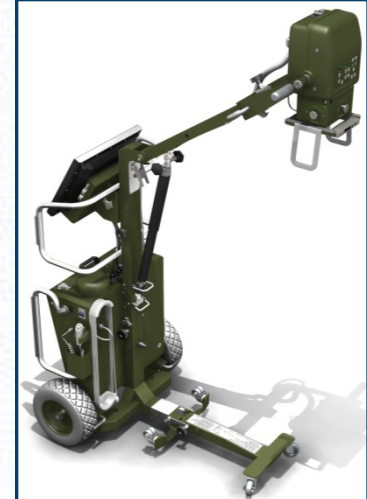


Portable X-Ray System *Digital and Conventional*



Conventional

Digital



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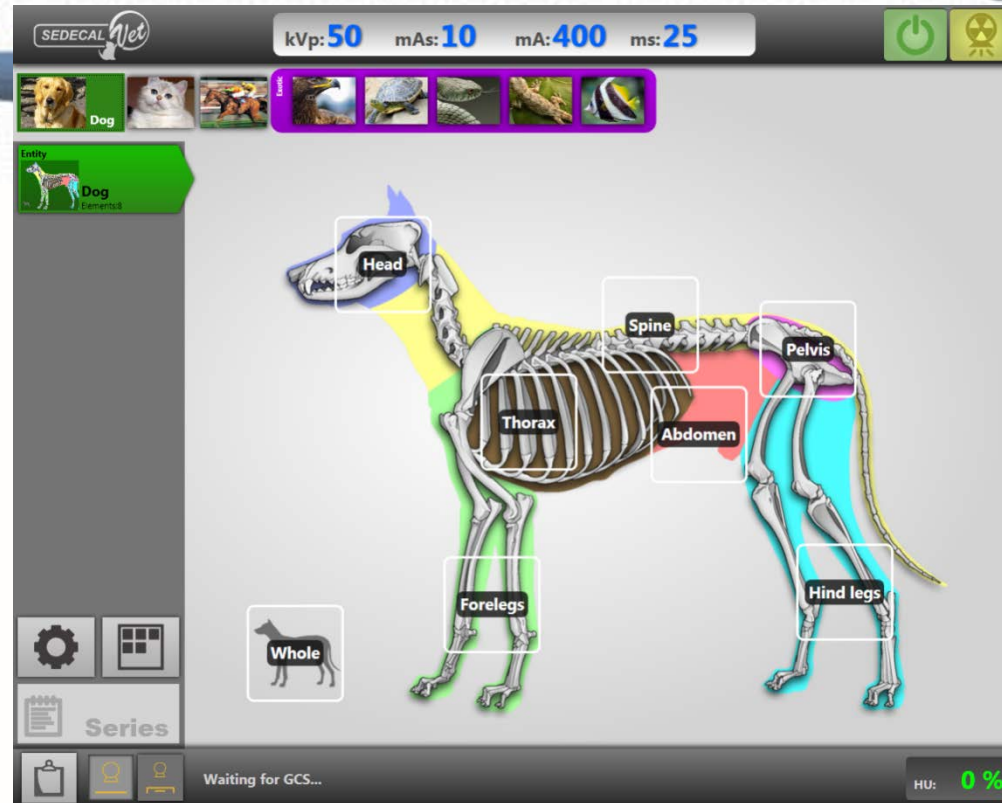
Portable X-Ray System



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VETERINARY DIVISION

Veterinary X-Ray: Digital & Conventional

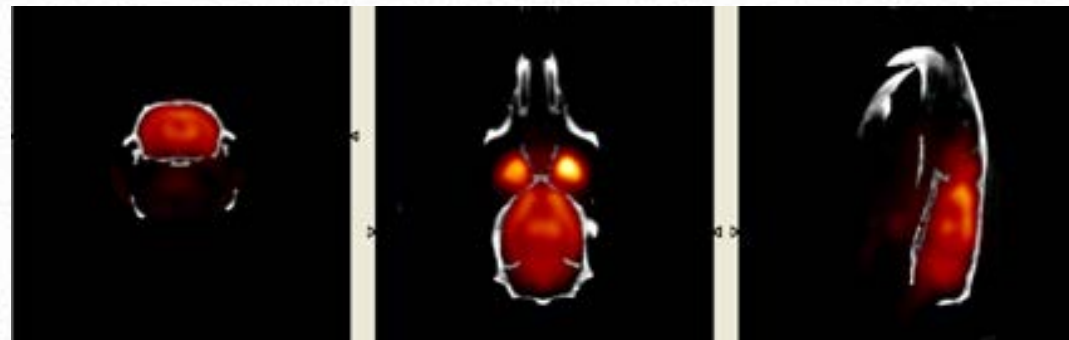
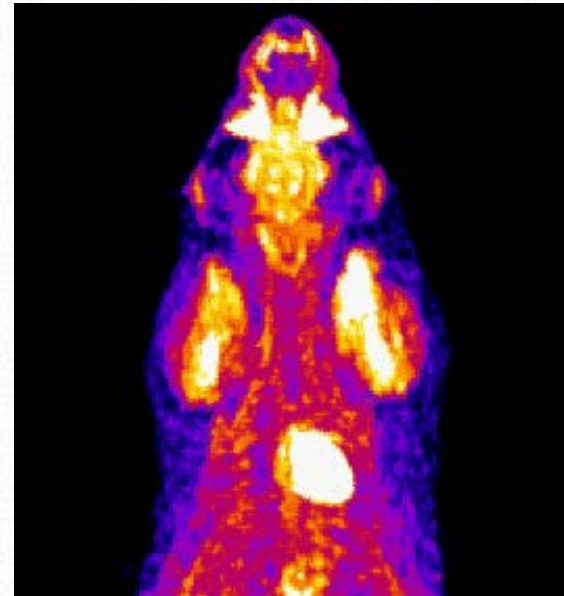


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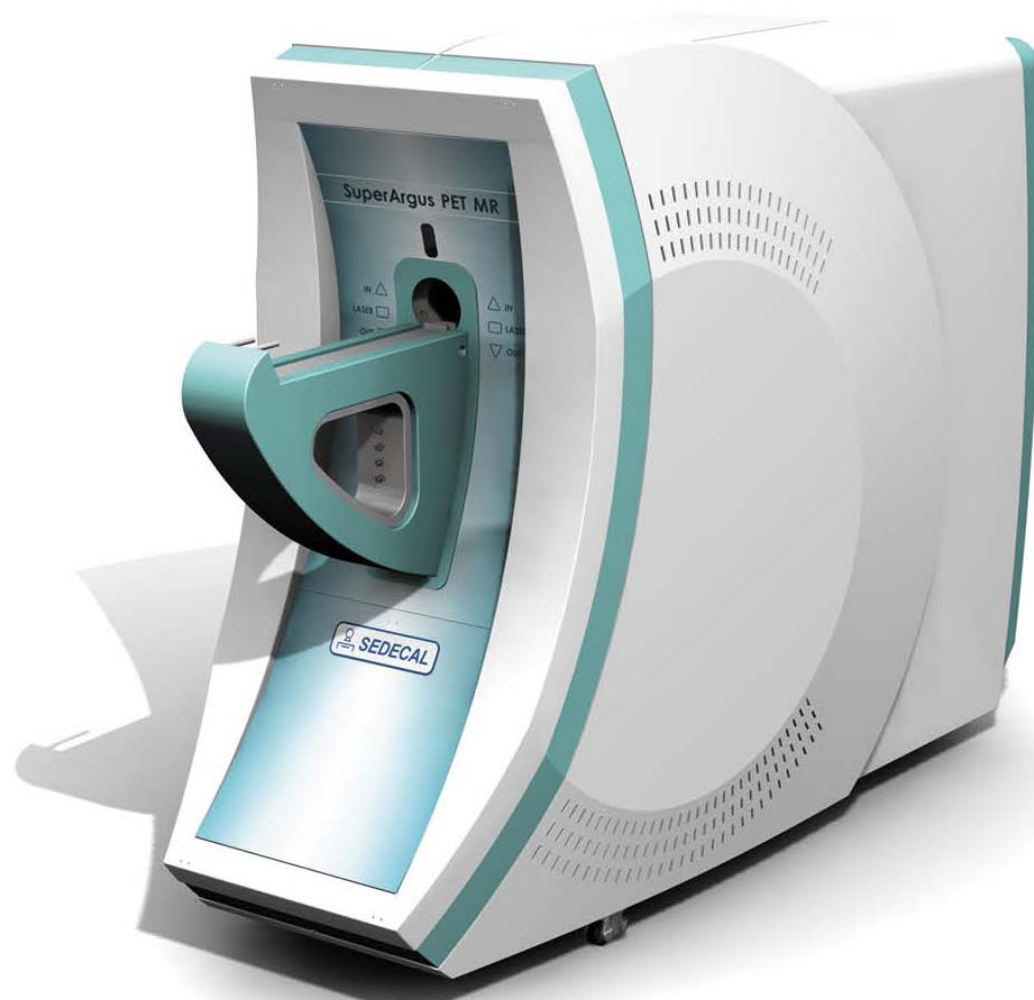
PRE-CLINICAL DIVISION

Molecular Imaging PET/CT

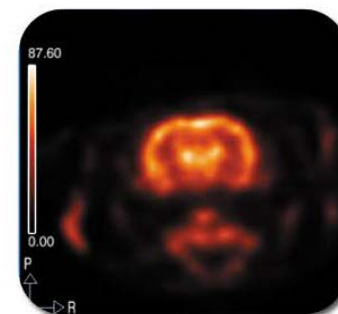


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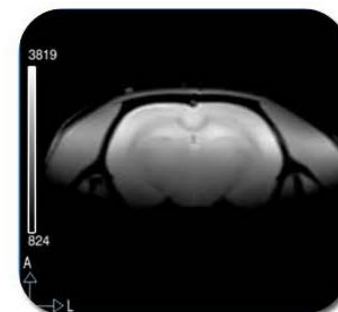
Molecular Imaging PET/MRI



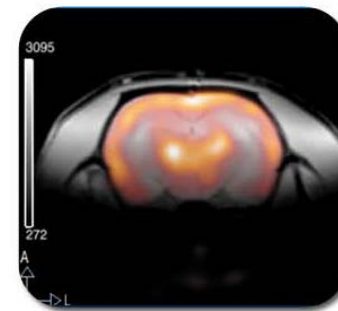
PET



MR



PET/MR



HEALTHCARE DIVISION (OZONE THERAPY)

SEDECAL can proudly state that it is ranked as one of the Leading OEM Companies in the World in its field of activity.

SEDECAL works applying the most demanding Quality Regulations, including the **ISO 9001** and **ISO 13485** Certificates, and the **CE Mark** , **FDA** , **CDRH**, **UL/CSA**, **SFDA** and **CCC** for all its products.

SEDECAL has been awarded by different Organizations in several occasions as a recognition to its technological effort, business competitiveness and export development activities .

SEDECAL, Presentación

SEDECAL, I+D+I Transferencia a Mercado

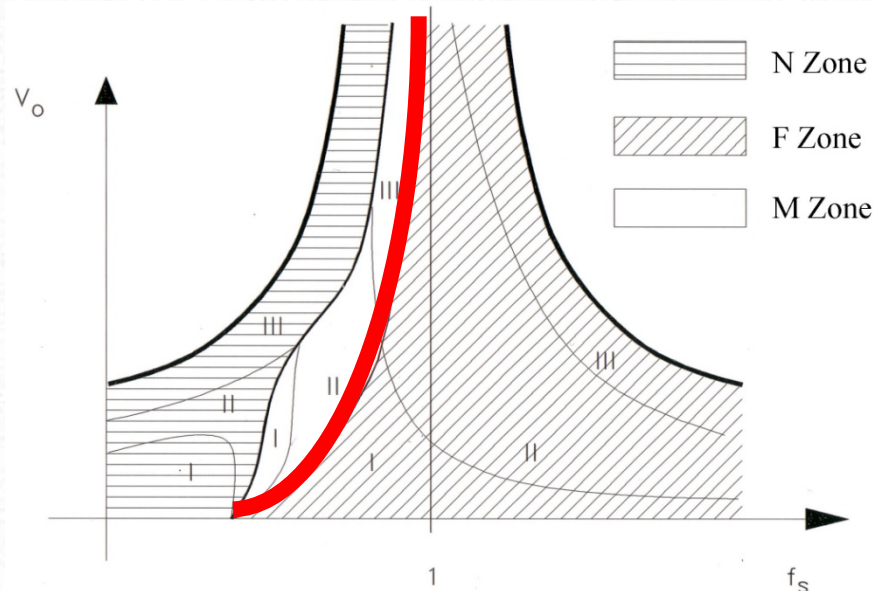
Generadores de Rayos X

Reto :

Generador de Rayos-x más competitivo del mercado.

Solución :

- NUEVO generador de alta eficiencia y muy alta frecuencia 150kHz
- El más compacto y competitivo del mercado.



Sistemas Digitales de Rayos X



Reto: Salto Tecnológico del mercado.

Solución: Desarrollar nuevos sistemas adaptados a entornos abiertos en red.

Nuevas flujos de trabajo mas eficientes.

Nuevas Tecnologías: Servoasistido, Auto posicionado, Tomosíntesis, ...

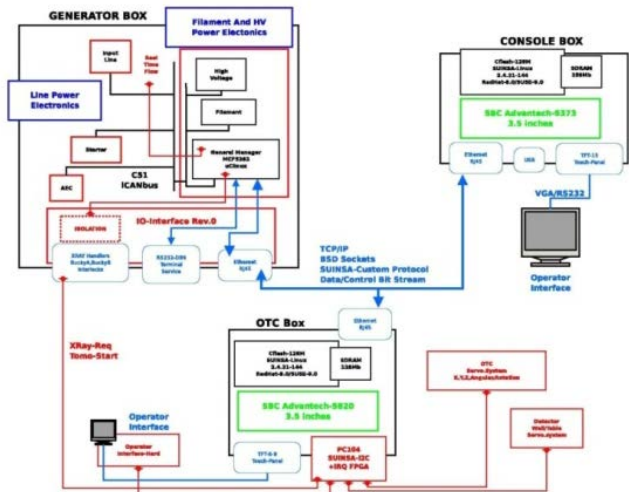


Imagen Molecular (2002)



Reto: Desarrollar un sistema de tomografía por emisión de positrones (PET) para investigación

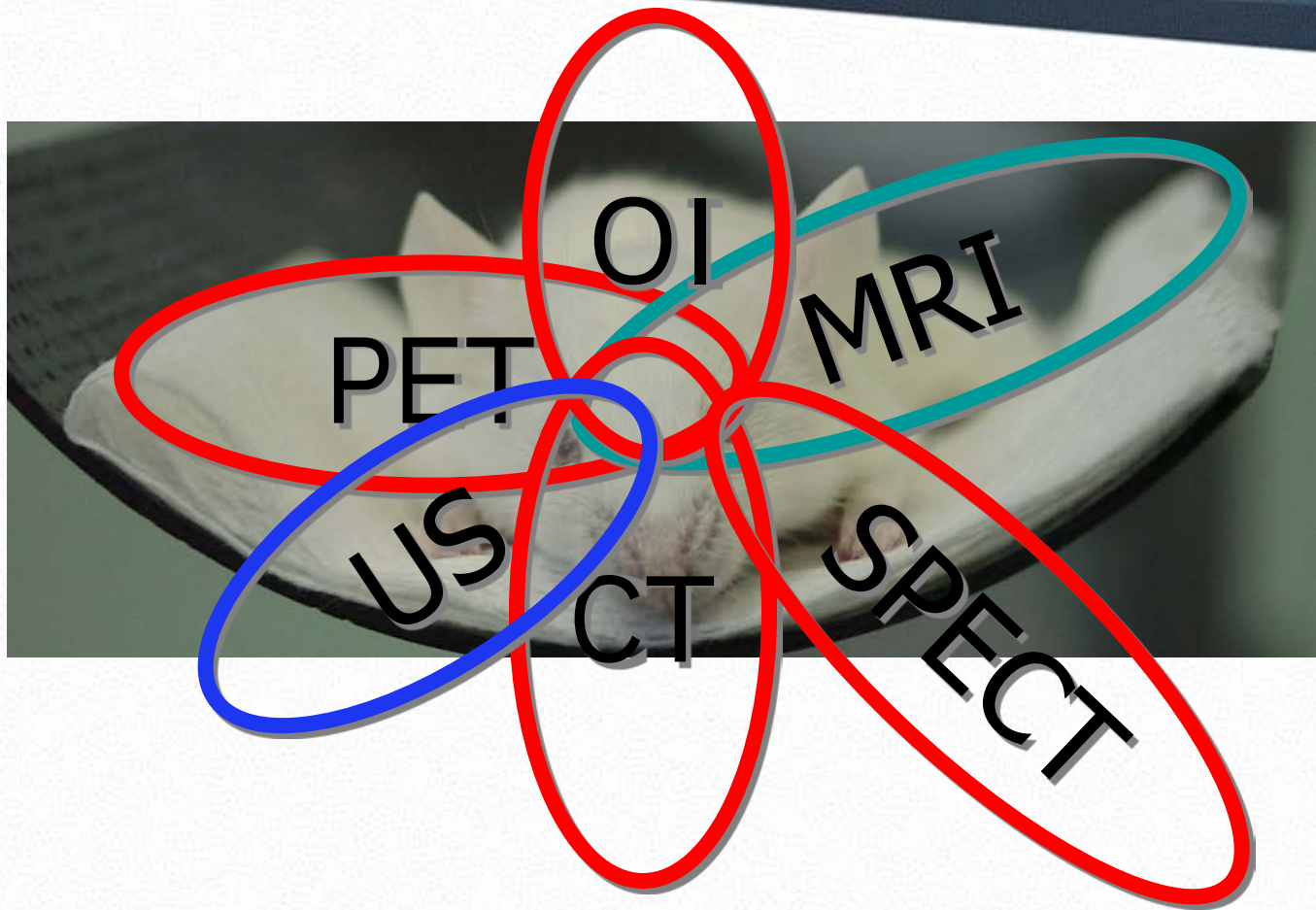
Colaboración destacada del Hospital Gregorio Marañón, entre otros.

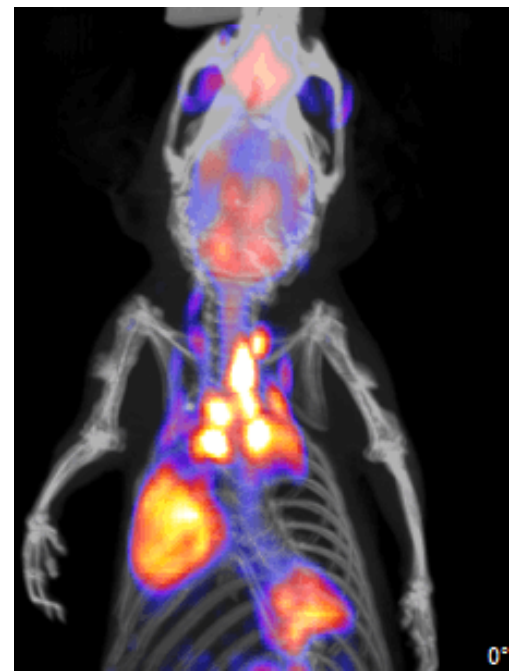
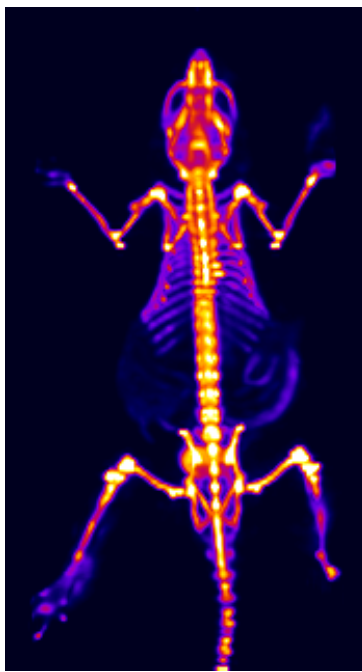
Solucion: Innovación en productos de muy alta tecnología que se encuentran en los más prestigiosos centros de investigación a nivel mundial: MIT, UCLA, Johns Hopkins Univ., ETH, CNRS, CNIO,...

**Ni inventaron otros,
Ni perdimos el tren.**



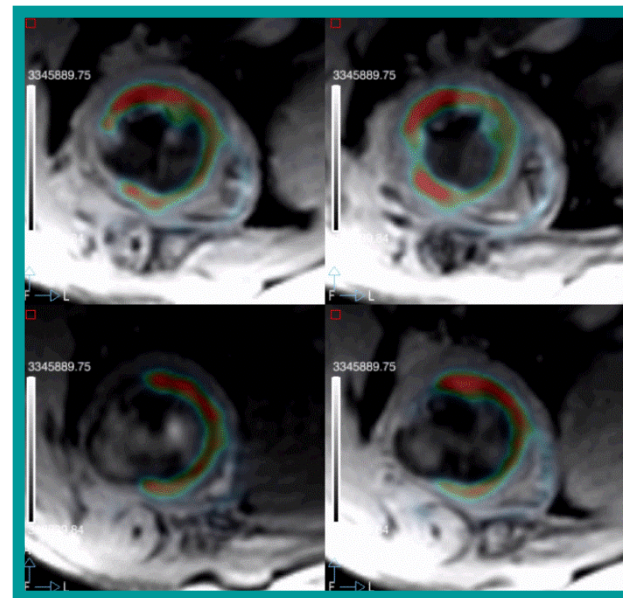
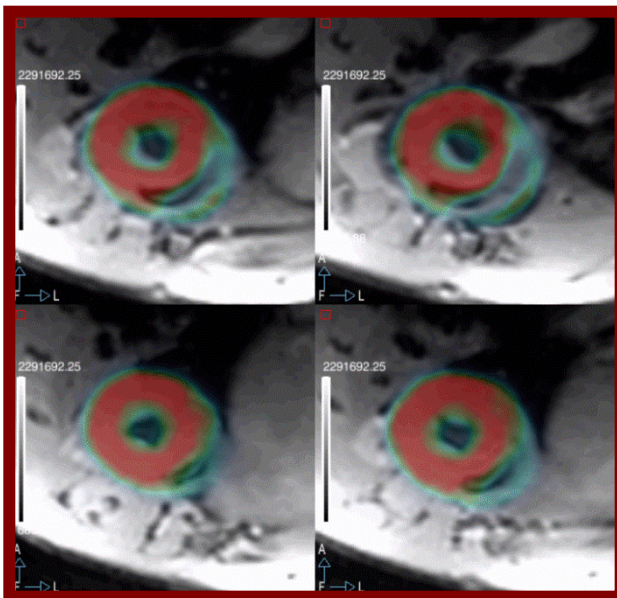
Reto: Imagen Multimodal





SHAM - Control

Myocardium Stroke



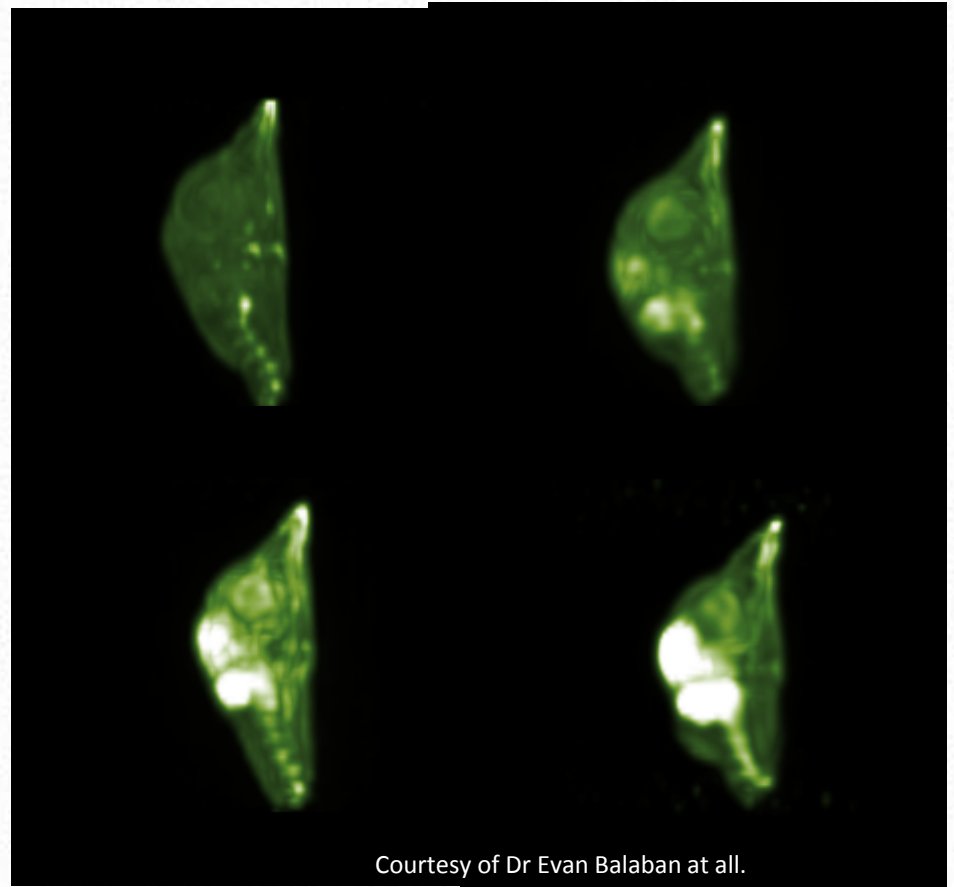
SuperArgus PET/CT: Neurology- Metabolic Uptake

Demonstrates high spatial resolution & sensitivity in chicken embryo



22 May, 2012 Volume 22, Issue 10

Awakening the embryonic brain



Courtesy of Dr Evan Balaban et al.

Consorcio AMIT:

10 Empresas

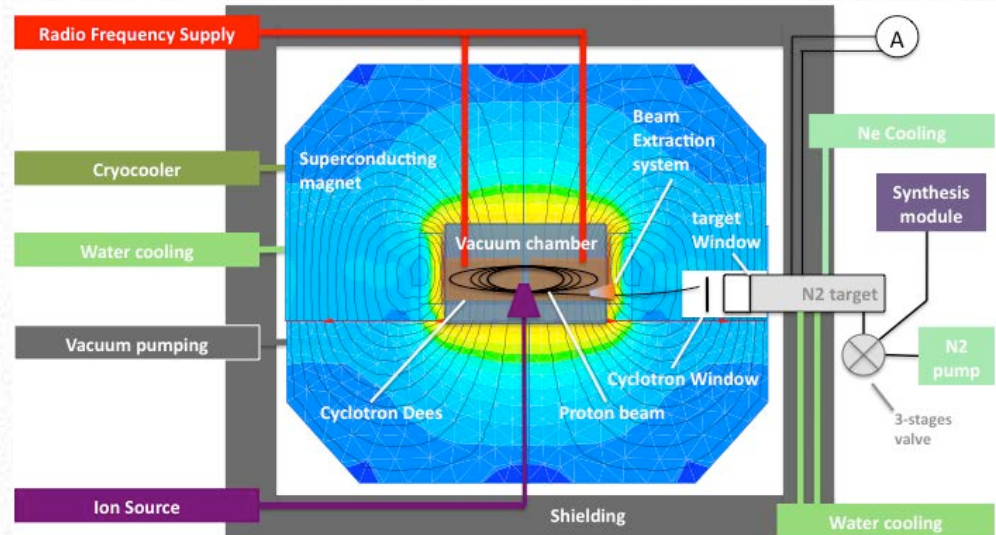
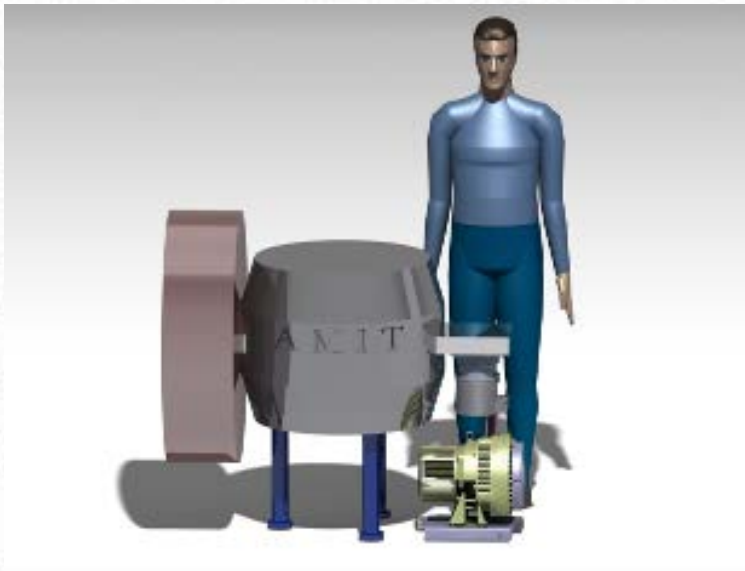
13 Organismos Investigación



MINI CLICLOTRON

- Colaboracion con CIEMAT (CERN como consultores)

Desarrollo de un demostrador experimental de un mini ciclotrón compacto
Estudio de la viabilidad de suministro in situ de radiotrazadores marcados con F18 y C11.



Actualmente estamos en fase de revisión de los proyectos en los que aportar valor en línea con los objetivos de negocio y retos transversales específicos definidos .

Aportamos nuestro espíritu emprendedor, la experiencia en transferencia al mercado, las tecnología en imagen y terapias .

El Consorcio EIT Health aporta a Sedecal una interacción intensa con empresas y academia que permitirá desarrollar nuevas tecnologías , productos y servicios en línea con los objetivos generales.

En particular estamos explorando :

Challenge 3 , Improve Health care.

Business Objective 3.2 Treating and managing chronic diseases

Cross Challenge A – Removing barriers to innovation

Cross Challenge C – Leveraging Enabling Technologies and Exploiting Big Data .