Innovation in Health







18

TOTS A UNA

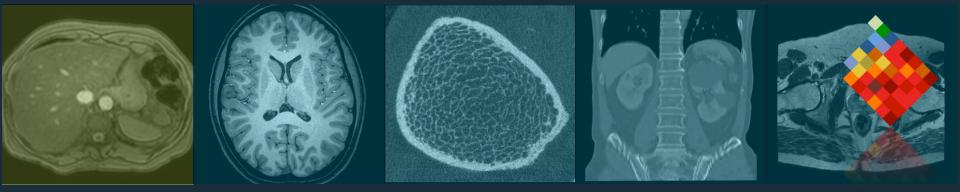
UK-Spain 🔉 🗖 Bilateral Seminar

Roundtable: Models of Innovation in Health in Valencia

Mr. Ángel Alberich-Bayarri, PhD CEO at QUIBIM Researcher at GIBI2³⁰, IIS La Fe

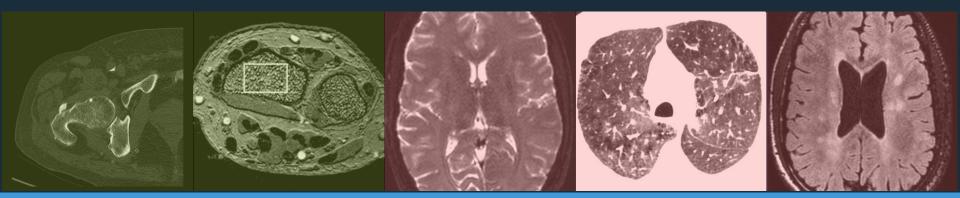


DISEASE VS. THE EY



THE NEED:

MEASUREMENTS



Ángel Alberich-Bayarri, PhD



quibim



QUIBIM provides a **software platform** and an **efficient service** of **Imaging Biomarkers quantification** and structured **reporting**.

IMAGING BIOMARKER:

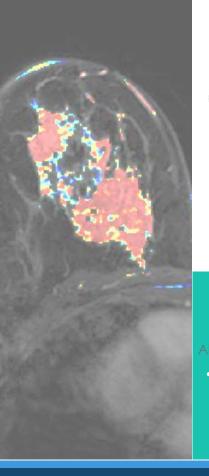
Parameter obtained computationally from medical images which represents and quantifies a tissue property (structural, functional or biological)

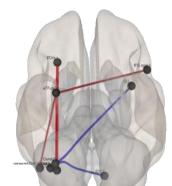
to **measure** is to **know**

ONCOLOGY

Solid tumours, hematology

Diffusion (IVIM, DKI), Pharmacokinetics, Bone Marrow Infiltration, Multi-Parametric Analysis

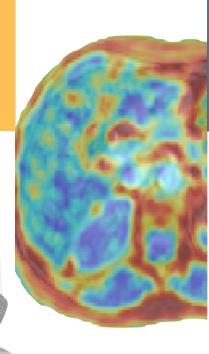




MSK

Osteoarthritis & Osteoporosis

Trabecular morphology, fractal irregularity, anisotropy, mechanical resistance & elasticity



LIVER

Steatohepatitis, fibrosis, hemochromatosis

Fat fraction quantification, iron concentration, Diffusion IVIM

LUNG

COPD

Lung & lobes volumes, emphysema percentage, bronchia wall, trachea wall



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Ángel Alberich-Bayarri, PhD

Success story

Virtual Biopsy in

Non-al (NASH

Abdominal Radiology

Springer Science+Business Media New York 2017

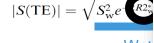


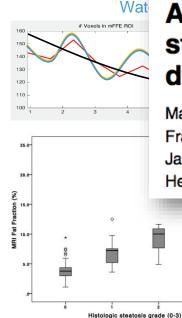
Case #1

CrossMark

Patient: Histologic steatosis grade 1, iron grade 2

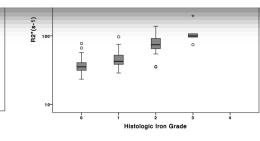
Fat (%)





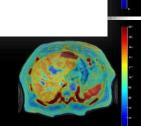
Accurate simultaneous quantification of liver steatosis and iron overload in diffuse liver diseases with MRI

Manuela França [•],¹ Ángel Alberich-Bayarri,² Luis Martí-Bonmatí,² Pedro Oliveira,^{3,4} Francisca Emanuel Costa,⁵ Graça Porto,^{6,7,8} José Ramón Vizcaíno,⁵ Javier Sanchez Gonzalez,⁹ Eduardo Ribeiro,¹ João Oliveira,¹ Helena Pessegueiro Miranda^{4,10}



QUANTIFICATION:

PDFF = 11 % Fe = 40.8 umol/g



Cases provided by: Dra. Manuela França, Centro Hospitalar do Porto.

Ángel Alberich-Bayarri, PhD

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Irade 4



Our Advanced Cloud Platform for centralized image management, storage and quantitative analysis.



Ángel Alberich-Bayarri, PhD



QUIBIM Care

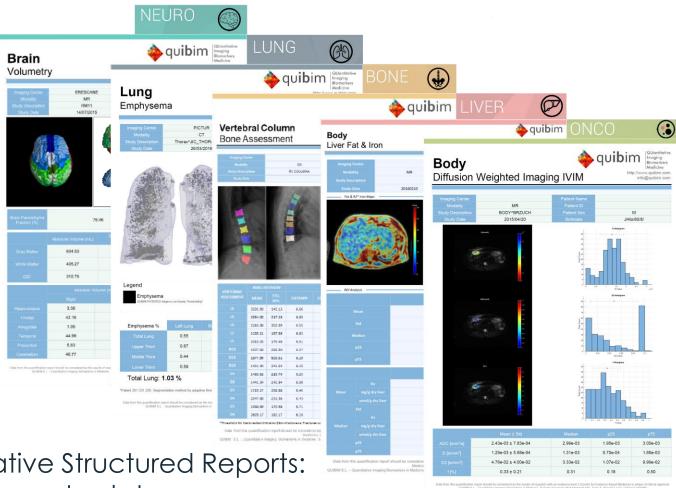
Innovative Medical Doctors and Researchers



QUIBIM Trials

Principal Investigators, CRO's and Pharma companies

Ángel Alberich-Bayarri, PhD

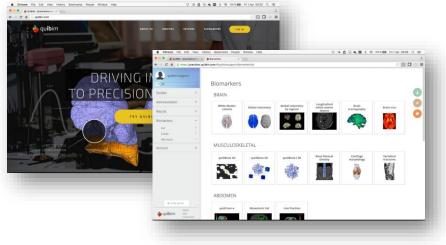


Quantitative Structured Reports: From images to data

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Local

Cloud

Basic license + modules

Pay per analysis

Ángel Alberich-Bayarri, PhD

Achievements



2012 - 2013

- QUIBIM is founded by Angel Alberich-Bayarri and Luis Martí-Bonmatí, K.O.L.'s in image processing and radiology
- First customers



2014

- First international customer (US)
- Development of new algorithms
- Patent application (lung emphysema)
- Development of the business model
- Spin-off company of IIS La Fe

2015

- LANZADERA acceleration program by Juan Roig Development of the new QUIBIM platforms (MINION & MASTER)
- Customers retention Marketing & sales strategy



2016

- QUIBIM Precision® platform v1.0 released
- Booth at ECR
- New customers
- Seed round



2017

- Growth and consolidation
- 1.25M€ SME Instrument
- ECR & RSNA booth
- Filed v2.3 CE mark certification
- Filed v2.3 FDA 510k certification



2018

- Partnerships with big players
- ECR & RSNA booth (Machine Learning SC)
- Medical Device certified
- Series A for product improvement and sales

Ángel Alberich-Bayarri, PhD

Future Challenges

ANALYTICS



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