



High-precision imaging

Design and commercialisation of artificial intelligence algorithms for image and clinical data analysis.

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REGULATIONS

ENS

ISO 13485, 27001, 9000

EC DECLARATION OF CONFORMITY ACCORDING
TO MEDICAL DEVICE DIRECTIVE 93/42/EEC AND ITS
AMENDMENT 2007/47/EC

HL7 FHIR



AN UNMET CLINICAL NEED

quantusFLM is a revolutionary solution to an unmet clinical need; knowing whether a baby is breathing at birth remains a major problem in premature babies despite prenatal and postnatal treatments. Current tests for Fetal Lung Maturity (FLM) assessment require amniocentesis, which limits its practice due to the associated risks and discomfort.

quantusFLM is the first 100% non-invasive fetal lung maturity test based on the analysis of an ultrasound image of the fetal lungs. It provides the opportunity to avoid the need for an invasive technique to predict whether or not your baby will breathe at birth.



NON INVASIVE



SAFE



FAST



COMPATIBLE

How to use quantusFLM?



1. Acquiring an ultrasound



2. Upload the cuts to the web application



3. Getting the results

Step 1: Acquire an ultrasound

quantusFLM requires an ultrasound of the foetal chest at the level of the four cardiac chambers of the foetal heart in DICOM format. There is a simple guide available within the application that shows how to perform these acquisitions.

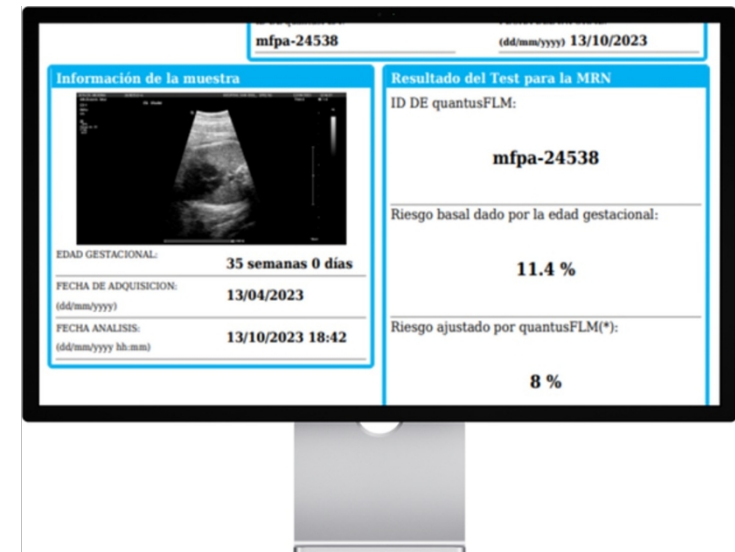
This application is a simple tool that allows you to send the images you want to analyse to the system. To do this, you only have to follow three simple steps to complete the analysis:



Upload images to the web

(The) (images)
desired
to be analysed

The sample to be analysed



Step 3: Get the result of the application via a results report within a few minutes.

When to use quantusFLM

quantusFLM may be particularly useful in cases where elective induced labour may be an option but the risk of Neonatal Respiratory Morbidity must be known. In many clinical situations, the decision to induce or wait is in a "grey area", particularly in late preterm or early term pregnancies (34+0 to 38+6 weeks).



In these and other circumstances, termination of pregnancy may be a reasonable, though not absolute, option to avoid danger to the mother or foetus. Knowing the risk of Neonatal Respiratory Morbidity may be a critical factor in the decision making process, whether to confirm or postpone delivery.

www.quantusfilm.org



Why does quantusFLM work?

Quantitative analysis of ultrasound images can detect very subtle changes, not perceptible to the human eye, and obtain relevant information on tissue microstructure.

Fetal lung maturity represents an obvious candidate for the use of quantitative ultrasound image analysis techniques as fetal lung maturity results from the combination of evolutionary changes in the alveoli during gestation as well as surfactant concentration.

Over the past 30 years, research has focused on extracting quantitative information on tissue characteristics from ultrasound images.

quantusFLM provides a completely non-invasive alternative for the prediction of Neonatal Respiratory Morbidity risk, reaching levels of accuracy and reproducibility unprecedented in the state of the art of non-invasive techniques based on ultrasound analysis.

Comparison between quantusFLM and other commercial FLM tests

Test	Sensitivity	Specificity	PPV	NPV
PG	82,7%	54,4%	18,0%	96,3%
L/S Ratio	74,6%	82,5%	34,1%	96,4%
 quantusFLM	71,0%	94,7%	67,9%	95,4%

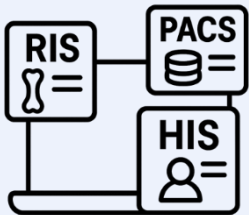
An experience without limits



Unrestricted **access**: Through an internet connection it is possible to use quantusFLM and review the results at any time and from anywhere.



No installation: no software download required.



Our service enables seamless integration between **HIS**, **RIS** and **PACS** systems, optimising clinical work and ensuring centralised and secure access to medical information.



Broad compatibility: quantusFLM is compatible with most web browsers as well as devices used in primary care practice.



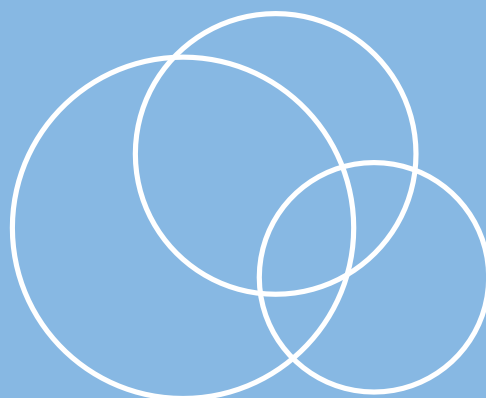
RESTful web services: HL7 FHIR compliant



Pay-as-you-go: Pay only for each test you order

They collaborate with us







Developing tomorrow's medical technologies today



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