

PICTERUS® JAUNDICE PRO

INTRODUCTION



PICTERUS® JAUNDICE PRO

A jaundice screening device approved for clinical use by healthcare professionals and caregivers

PICTERUS® JAUNDICE PRO



WHAT IT IS

✓ Neonatal jaundice screening

✓ Determine correct follow-up action for suspected jaundice

✓ More accurate than visual assessment

✓ Screening in clinical setting by parents/HCP

✓ Screening at home by parents/HCP

✓ Remote monitoring (JAUNDICE@HOME)

WHAT IT IS NOT

✗ Neonatal jaundice diagnosis

✗ Exact match to blood test results (applies to all non-invasive devices)

Intended use:

Picterus® Jaundice Pro is intended to assist in screening and follow up of neonatal jaundice.



PICTERUS® JAUNDICE PRO

WHO IT IS FOR

✓ Newborns age
24 hours – 14 days

✓ Gestational age
≥ 35 weeks (non-EU)
≥ 37 weeks (EU)

✓ Birth weight
≥ 2000 g

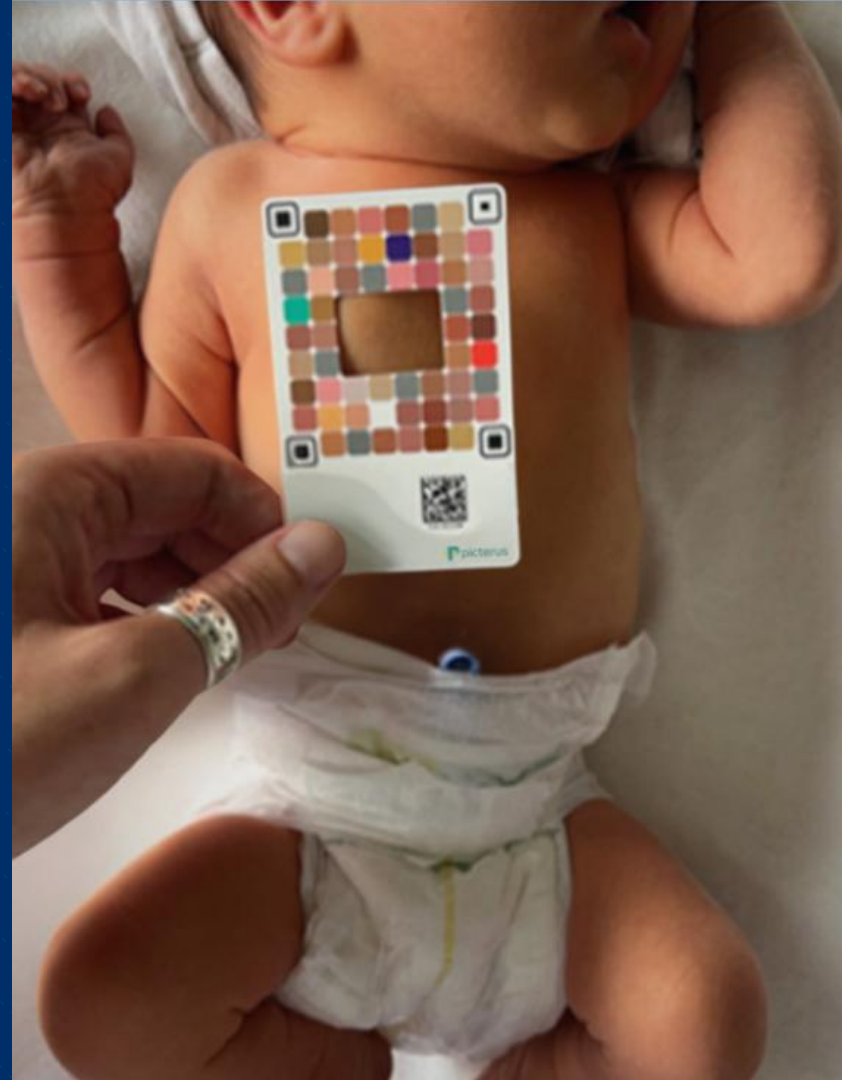
WHO IT IS NOT FOR

✗ Jaundice appearing in first
24h of life

✗ After phototherapy or
prolonged sun exposure

✗ A condition or treatment
that affects skin color or
appearance (excluding
jaundice)

✗ Newborns with hemolytic
disease, G6PD deficiency,
cephalohematoma, red blood
cell disorders



Jaundice affects **60-80%** of newborns.

Among these **10%** develop hyperbilirubinemia requiring treatment

Severe hyperbilirubinemia may cause **neurotoxicity**: brain damage, hearing loss, and death



Birth

Neonatal Jaundice does not occur until several hours after birth.



Hospital Discharge

Healthy newborns discharged from hospital 24 hours after birth or earlier.



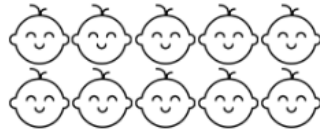
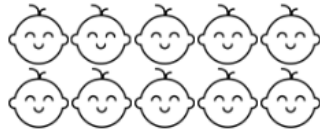
Home

Onset of neonatal jaundice at home. Hospital visits by parents or home visits by HCP common.

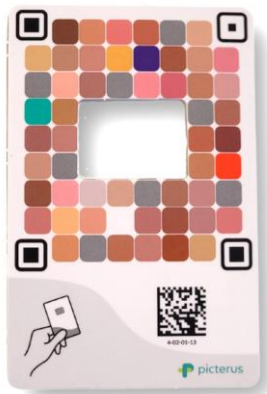


Treatment or Recovery

90% of jaundiced newborns recover naturally. 10% need treatment.



THIS IS HOW IT WORKS



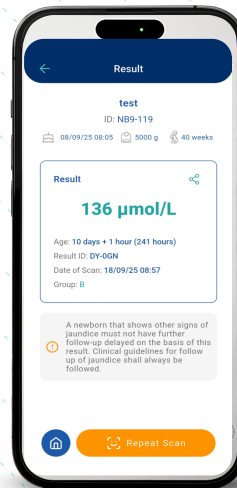
Picterus® Calibration Card

The colour calibration card is placed on the chest of the baby and adjusts for different lighting conditions.



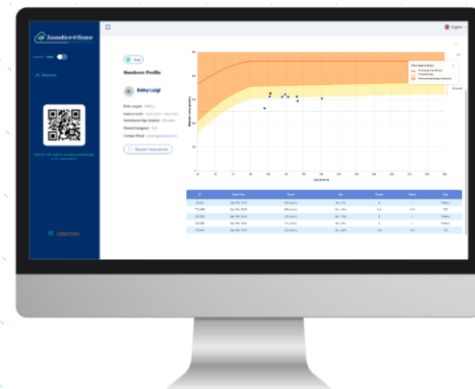
Picterus® Jaundice Pro

The app ensures correct camera distance and position. App automatically takes six photos when aligned with the calibration card.



Bilirubin Result

Each picture is quality checked and analysed. The result is shown within just a few seconds.



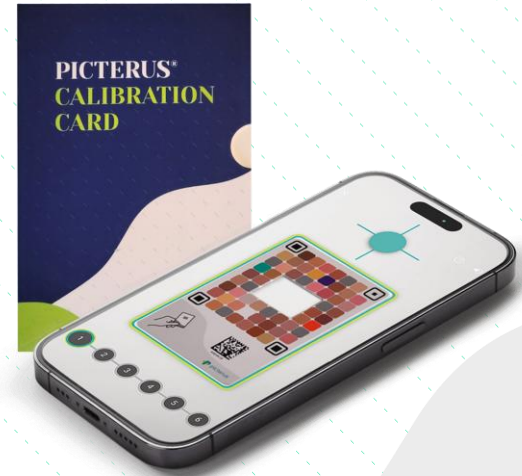
Jaundice@Home

Remote monitoring of results using the web-based platform. Parents can screen from home under remote supervision.

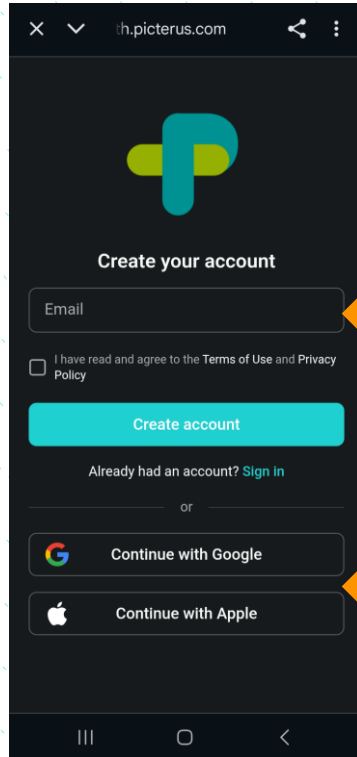
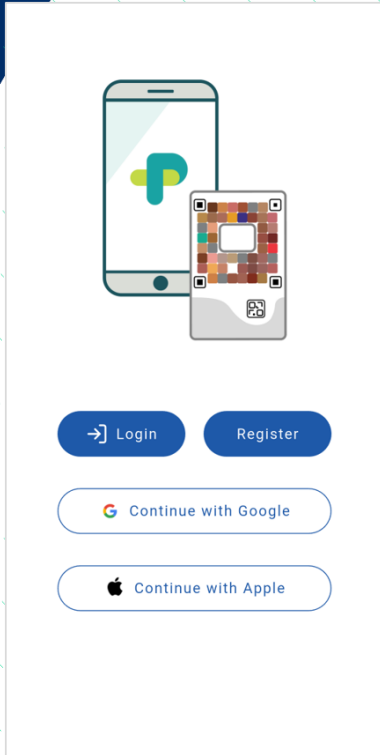
PICTERUS® JAUNDICE PRO

Install Picterus® Jaundice Pro on
your smartphone

- App Store
- Google Play



CREATE USER ACCOUNT



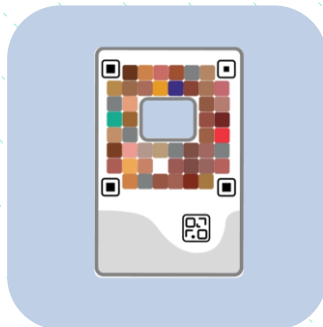
1. Click on **REGISTER**, which will take you to the account creation page.
2. **Create account or login with an existing google or apple account.**

For new accounts you will be required to create a secure password.

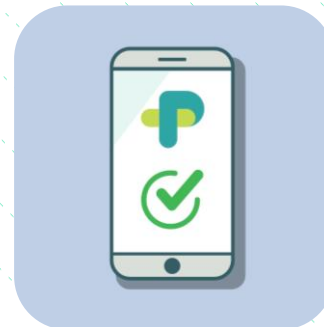
GETTING STARTED



Smartphone with
Picterus Jaundice Pro
app



Calibration Card &
Scans



Internet
connection



Good light conditions



Clean camera

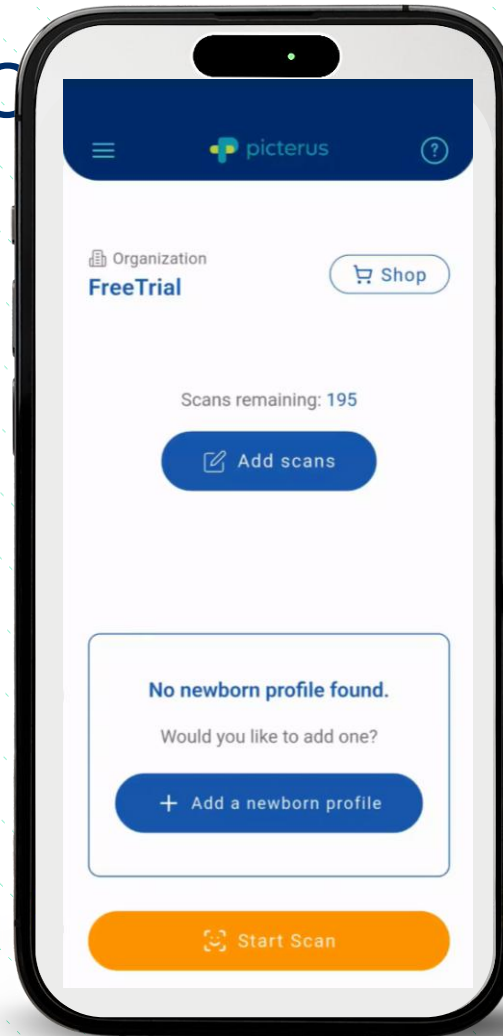


No shadows on the measurement
spot and card

PRACTICAL DEMO



- Create Newborn Profile
- Perform a scan



Start Scan

RESULT

Profile name & ID

Date and time of birth

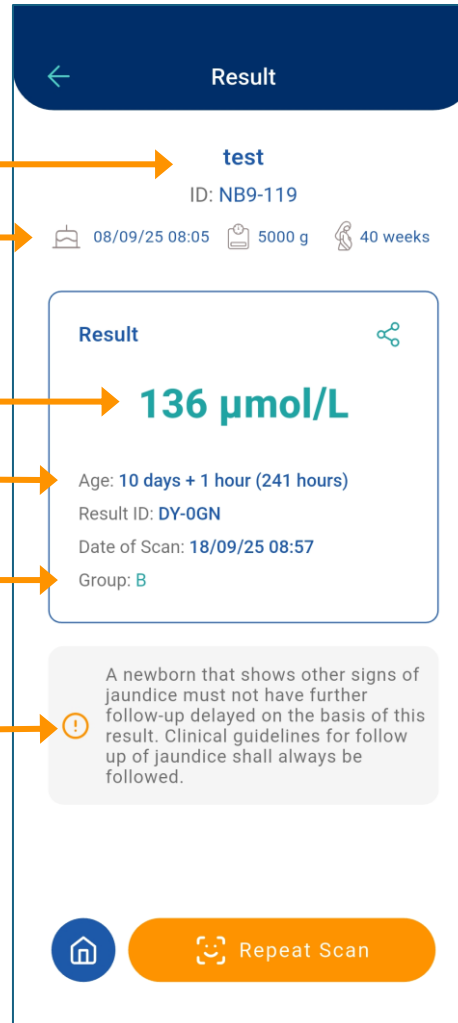
Birth weight, GA

Result in selected unit

Age at scan, Result ID, Scan date

Accuracy group
(see IFU)

Explanation / disclaimer




The screenshot shows a mobile application interface for a newborn's test result. The top header is dark blue with a back arrow and the word "Result". Below this, the profile name "test" and ID "NB9-119" are displayed. Birth information includes a date and time "08/09/25 08:05", a weight of "5000 g", and gestational age of "40 weeks". The main result is "136 μmol/L" in large green text. Below the result, details include "Age: 10 days + 1 hour (241 hours)", "Result ID: DY-0GN", "Date of Scan: 18/09/25 08:57", and "Group: B". A disclaimer box with a warning icon contains text about jaundice follow-up. At the bottom, there is a home button and a "Repeat Scan" button.

← Result


test
ID: NB9-119



08/09/25 08:05 5000 g 40 weeks

Result 

136 μmol/L

Age: 10 days + 1 hour (241 hours)
Result ID: DY-0GN
Date of Scan: 18/09/25 08:57
Group: B

 A newborn that shows other signs of jaundice must not have further follow-up delayed on the basis of this result. Clinical guidelines for follow up of jaundice shall always be followed.



Scan this QR code to connect automatically to the organization

[← Back](#)

Newborn Profile

AN **A Newborn**

Birth weight: 2640 g

Date of birth: 11/07/2025 - 11:45 AM

Gestational Age (weeks): 36 weeks

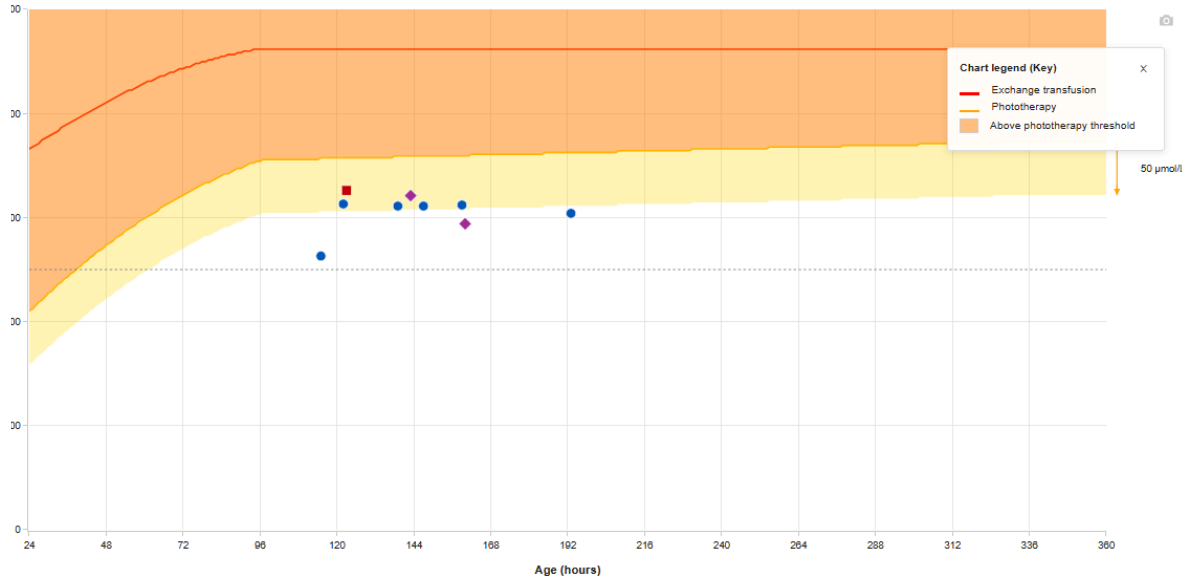
Parent/Caregiver: N/A

Contact Email: newdad@homescreening.com

[↻ Request measurement](#)

[+ Add TSB/TcB Measurement](#)

Jaundice assessment



ID	Date/Time	Result	Age	Group	Status	Type
ES-0KJ	Sep 15th, 16:14	304 µmol/L	8d + 1hs	B	✓	Picterus
TIQ-4RD	Sep 14th, 08:00	294 µmol/L	6d + 16hs	N/A	N/A	TSB
D6-0GD	Sep 14th, 06:50	312 µmol/L	6d + 15hs	B	✓	Picterus
D5-0GE	Sep 13th, 18:03	311 µmol/L	6d + 3hs	A	✓	Picterus
TIN-4RF	Sep 13th, 14:30	321 µmol/L	5d + 23hs	N/A	N/A	TSB



PICTERUS PERFORMANCE

PICTERUS PERFORMANCE

Combined clinical trial results:

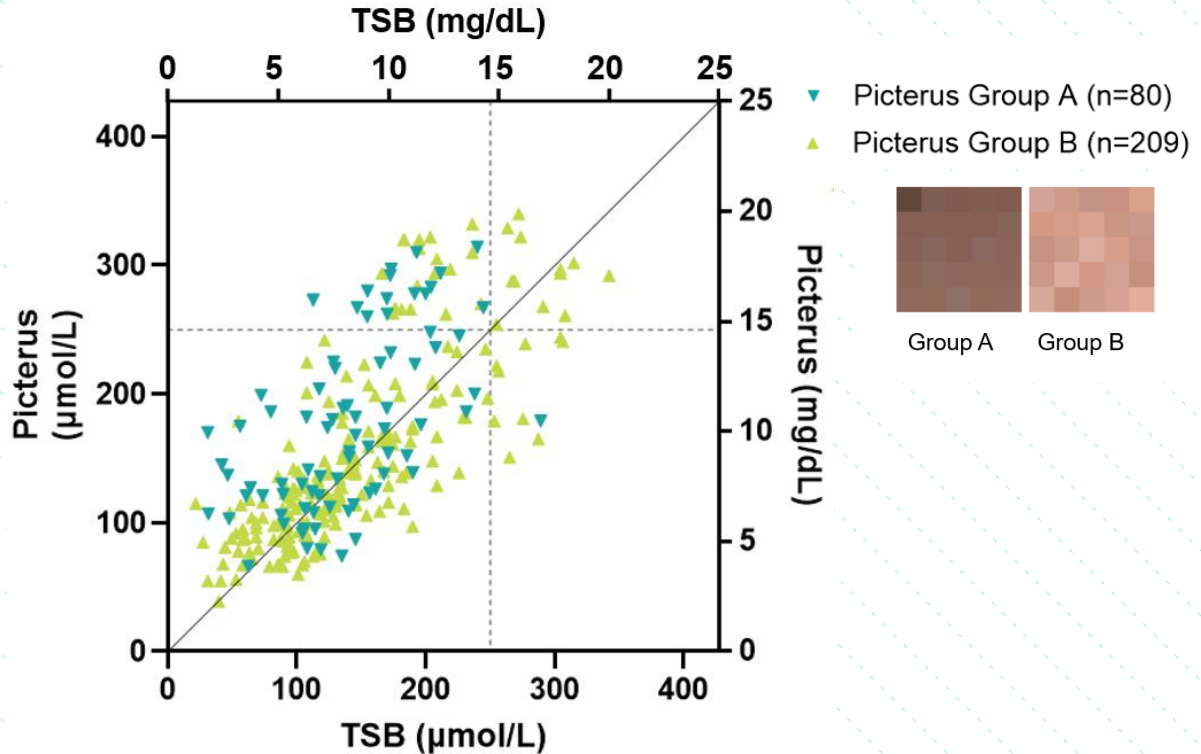
- Uganda (n=80)
- Brazil (n=150)
- Utah, USA (n=59)

Inclusion criteria:

- Newborns requiring TSB
- GA \geq 35 weeks
- Birth weight \geq 2000 g
- Age at scan \geq 24 hours, $<$ 14 days

Workflow within a 60-minute window:

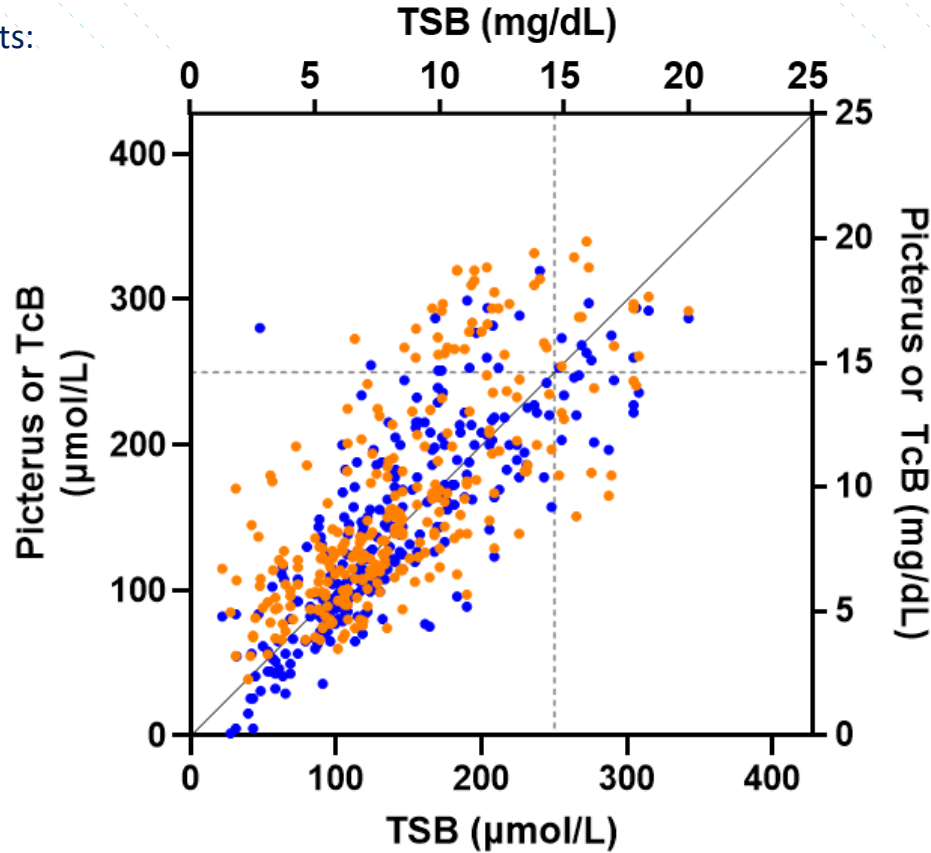
- Blood draw for TSB
- Picterus Jaundice Pro scan (chest of newborn)
- TcB (Dräger JM-105) (chest of newborn)



PICTERUS & TcB VS TSB

Combined clinical trial results:

- Uganda (n=80)
- Brazil (n=150)
- Utah, USA (n=59)



- Picterus (Group A&B combined) n=289
- TcB (Dräger JM-105) n=289

SUMMARY

PICTERUS® JAUNDICE PRO

- **Non-invasive, affordable screening** using a phone and colour calibration card.
- **Accurate, fast results** across all skin tones and various care settings.
- **Enables remote follow-up** by healthcare professionals via JAUNDICE@HOME.



Distributor (UK and Ire)

sales@horizon-medtech.com

 www.horizon-medtech.com

 www.picterus.com



**DOWNLOAD PICTERUS®
JAUNDICE PRO**

Tutorial videos:
YouTube: @Picterus



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