

LeSONO



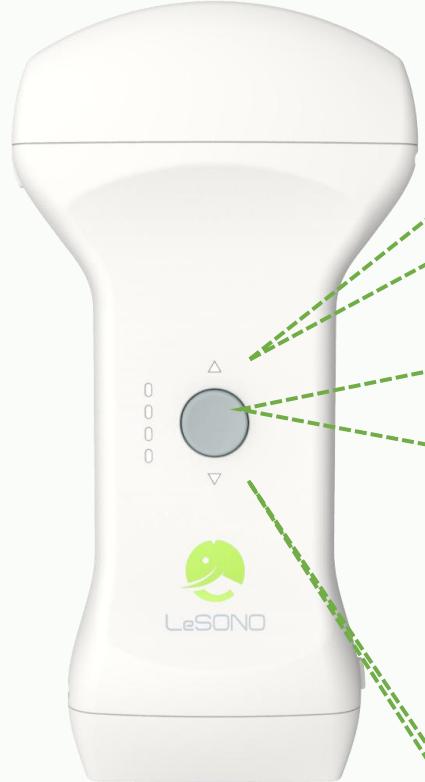
# LeSONO 无线手持超声波 - 快速操作指南



## 常用功能:

- 【开关机与连接】 - 透过扫描二维码进行探头连接
- 【超声波扫描】 - B、C、M、PW (Pulse Wave) 及 PD (Power Doppler) 五种扫描模式
- 【注解、量测与影像储存】 - 注解标注、长度与面积量测与各种照片、影片储存格式
- 【双屏幕功能】 - 汇出、导入影像，进行影像比对
- 【DICOM 功能】 - 下载 Worklist 及上传扫描后 DICOM 档案
- 【使用 Mac (M1/M2) 运行应用程序】

## 【开关机与连接】



## 电源 & 暂停按钮

开机：长按电源钮，直到指示灯出现蓝灯为止。

关机：长按电源钮，直到指示灯熄灭。

## 电源指示灯



**灯灭**  
设备已关闭。



**蓝灯闪烁**  
系统就绪



**蓝灯持续**  
系统联机

## 电池指示灯

4 个灯表示满电，1 个灯表示电量低。



## 电源 & 暂停按钮

开机：按住电源按钮，直到指示灯变紫。

关机：按住电源按钮，直到指示灯熄灭。

## 电源指示灯



**灯灭**  
设备已关闭。



**紫灯**  
系统就绪



**白灯**  
系统联机

## 电池指示灯

4 个灯表示满电，1 个灯表示电量低。



## 步骤 1

开机：电源键长按“3”秒开机

关机：电源键长按“3”秒关机

## 步骤 2



**蓝灯**  
充电中



**灯灭**  
【关机状态】



**紫灯**  
【开机状态】  
系统就绪



**白灯**  
【开机状态】  
系统联机

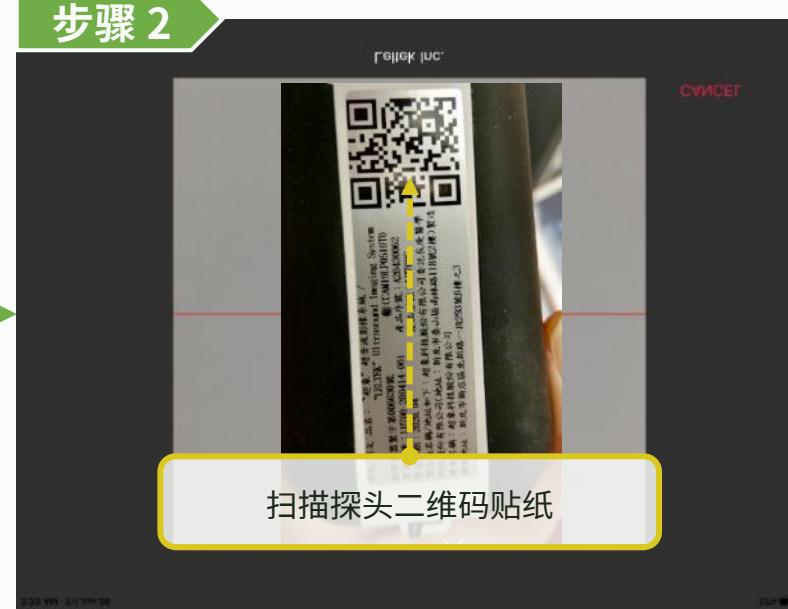
# 开关机与连接 - 与平板连接

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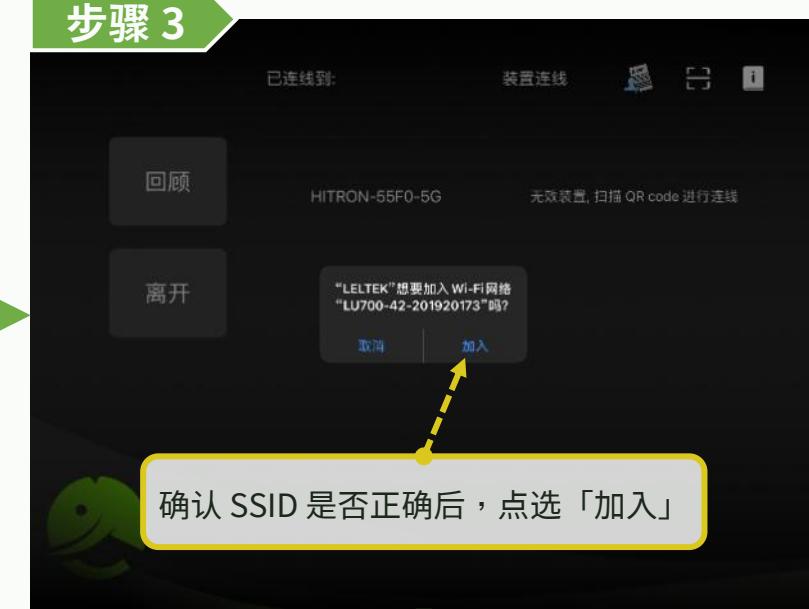
## 步骤 1



## 步骤 2



## 步骤 3



## 步骤 5



## 步骤 4



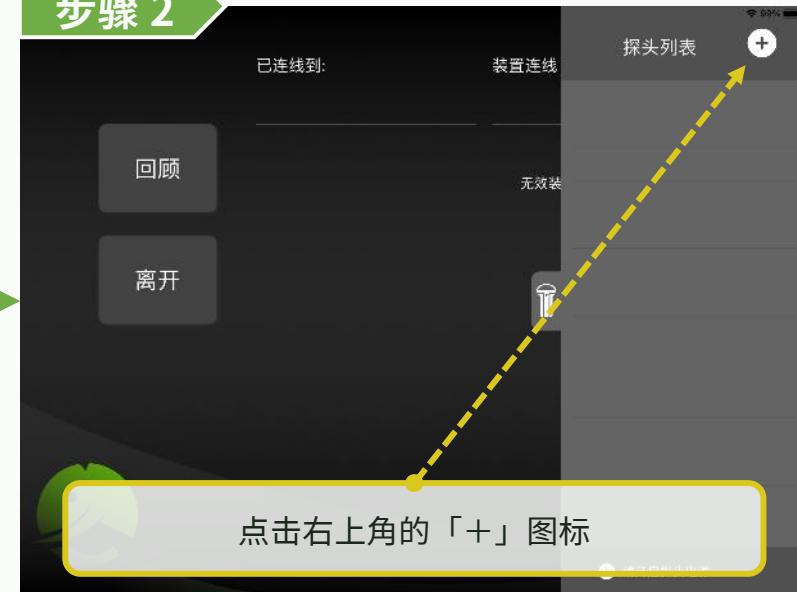
# 开关机与连接 - 透过探头列表与平板连接

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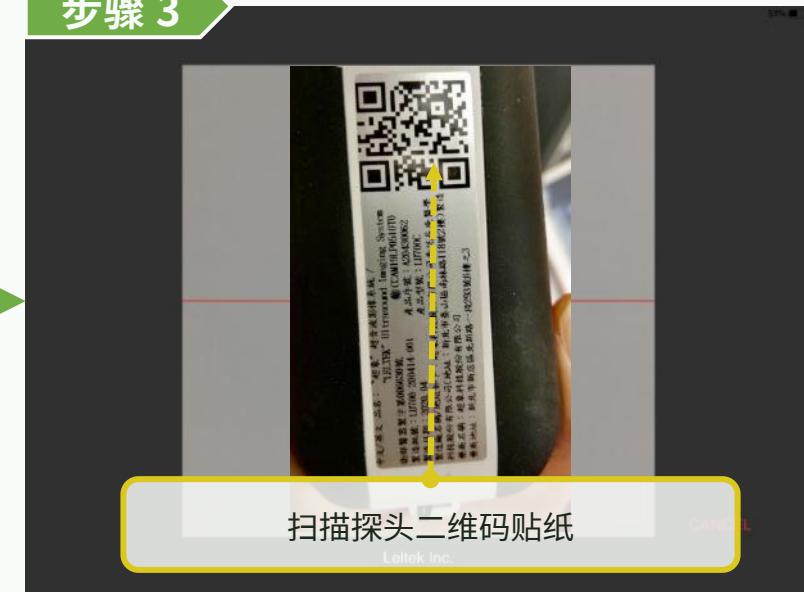
## 步骤 1



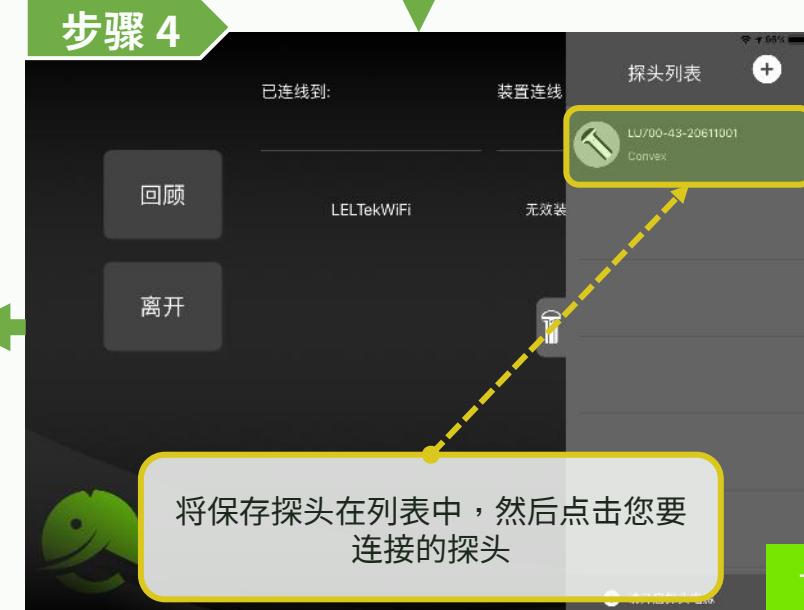
## 步骤 2



## 步骤 3



## 步骤 4



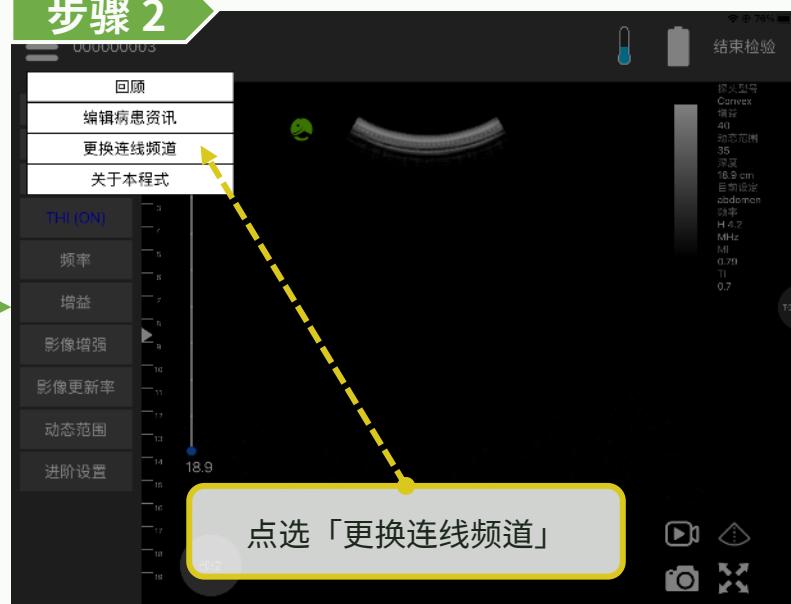
# 开关机与连接 - 改善连线品质

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## 步骤 1



## 步骤 2



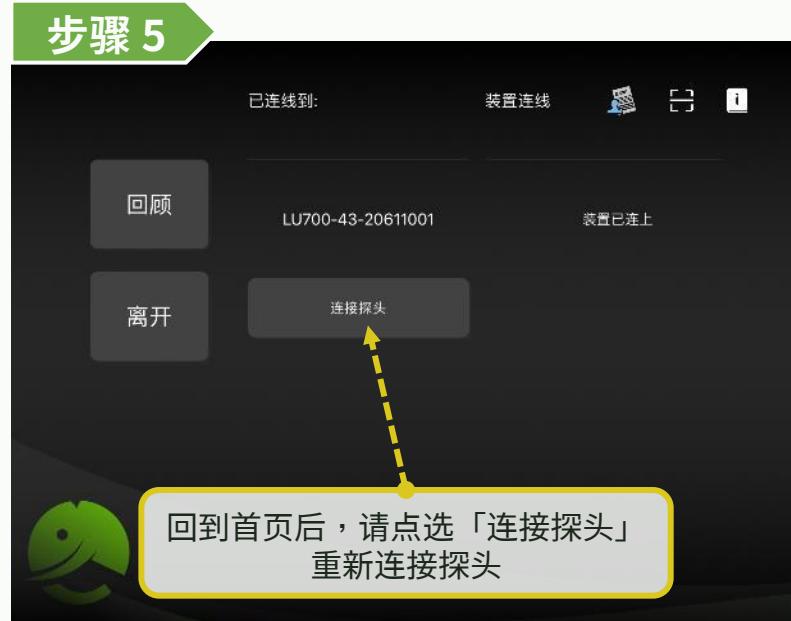
## 步骤 3



## 步骤 4



## 步骤 5

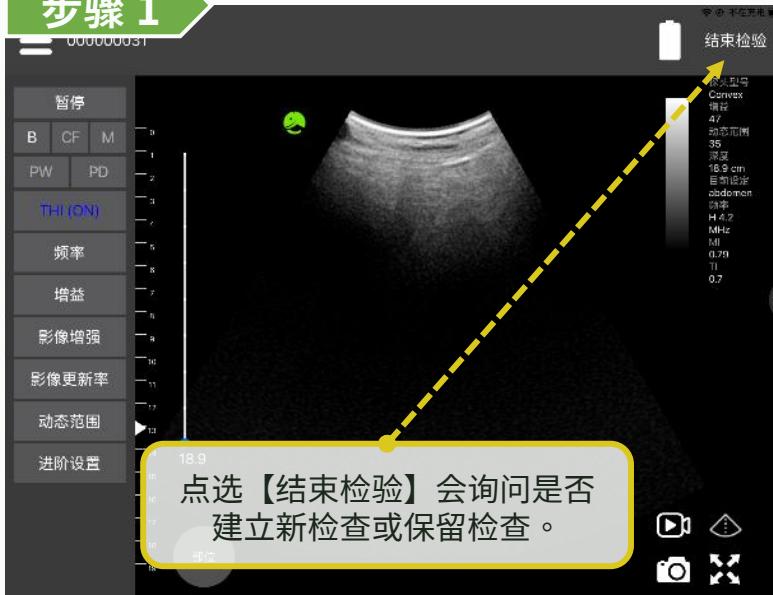


如扫描状态仍不顺畅，请重复以上更换连线频道的步骤

# 开关机与连接 - 结束检验

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## 步骤 1



## 步骤 2



点选「离开并结束检查」，完成一个病患的检验，跳转回到首页

## 步骤 3

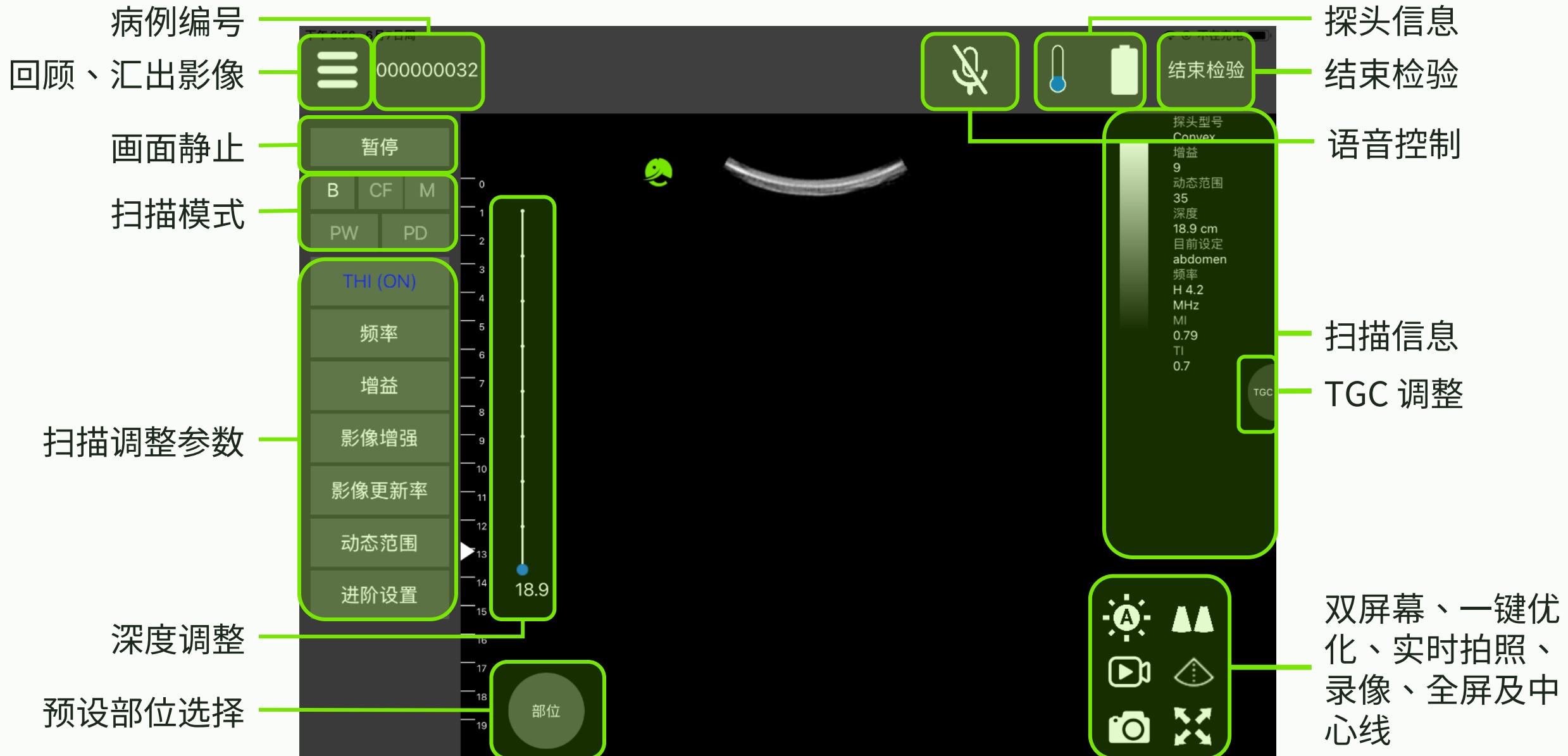


点选「离开」，将关闭程序并自动与探头断开连结

## 【超声波扫描】

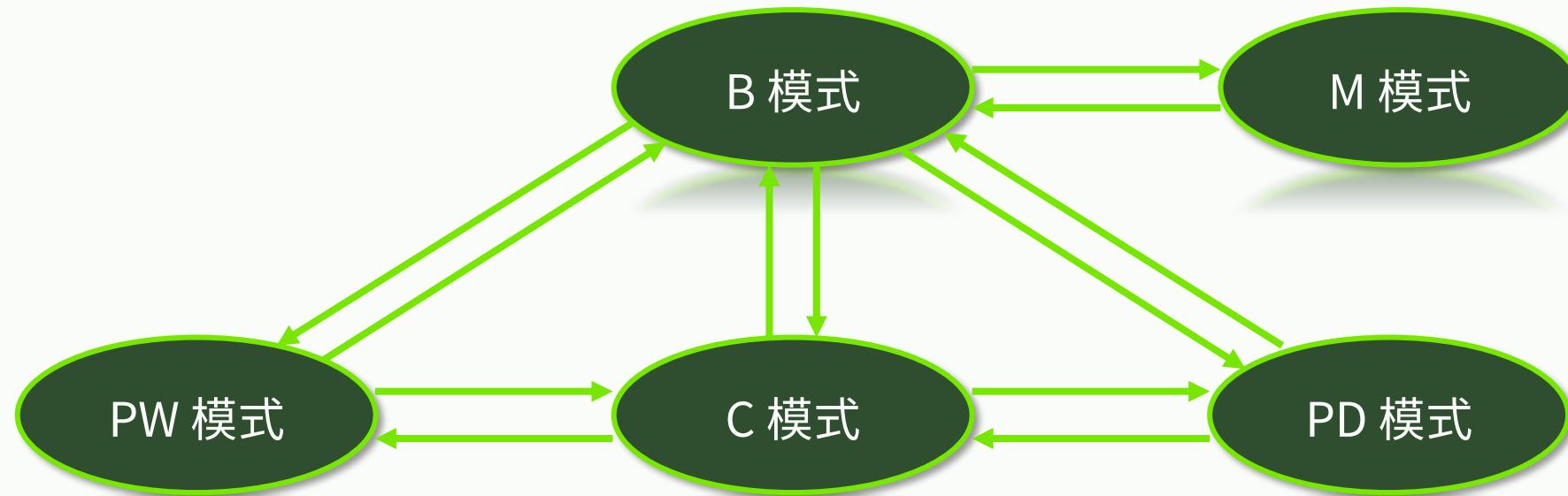
# 超声波扫描 - 扫描界面

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# 超声波扫描 - 扫描模式切换关系

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“箭头方向”代表两个扫描模式间可彼此互相直接切换

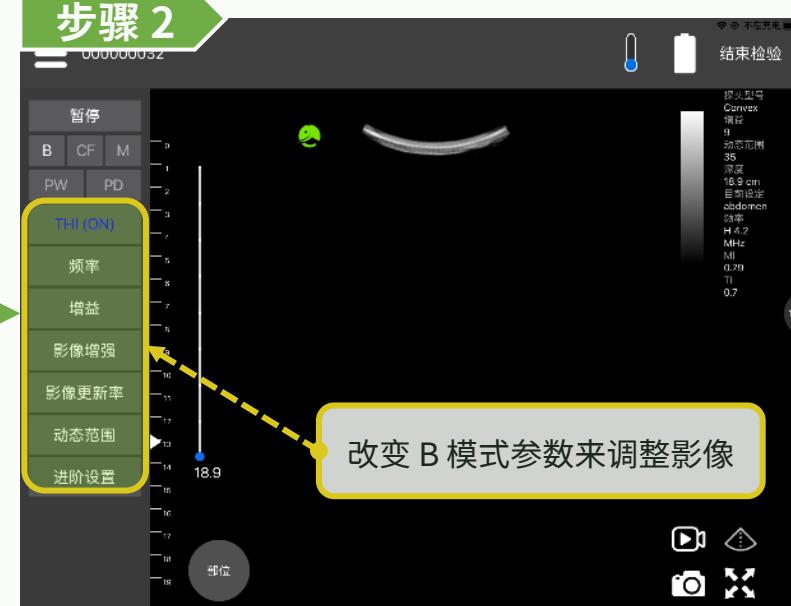
# 超声波扫描 - B (Brightness) 模式

LELTEK

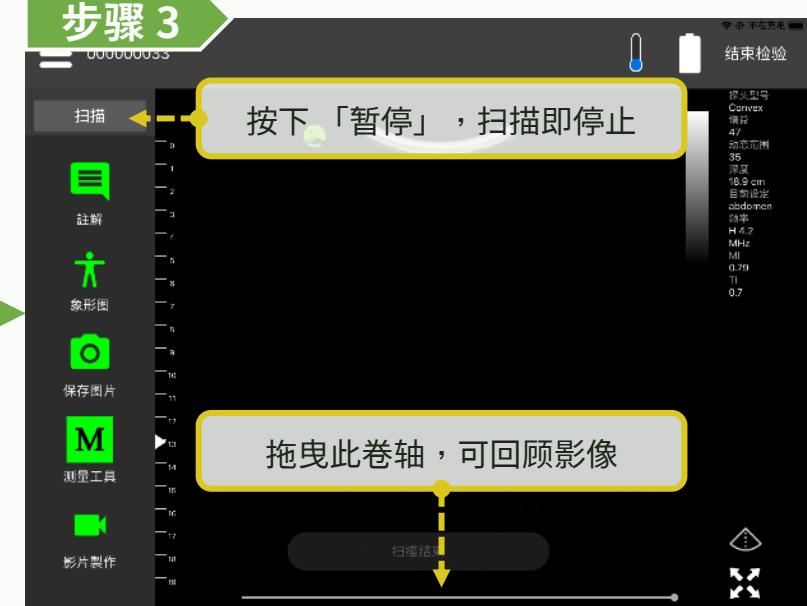
步骤 1



步骤 2



步骤 3



# 超声波扫描 - M (Motion) 模式

LELTEK

步骤 1



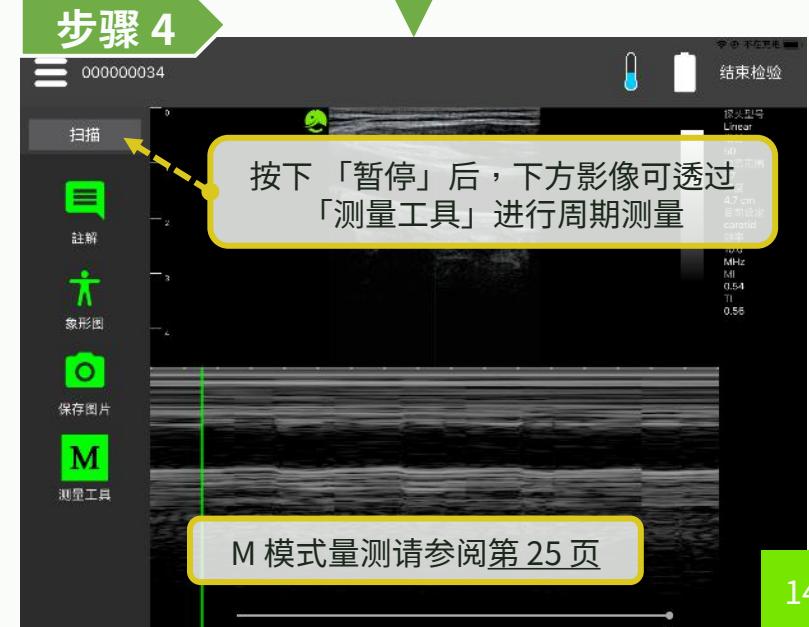
步骤 2



步骤 3



步骤 4

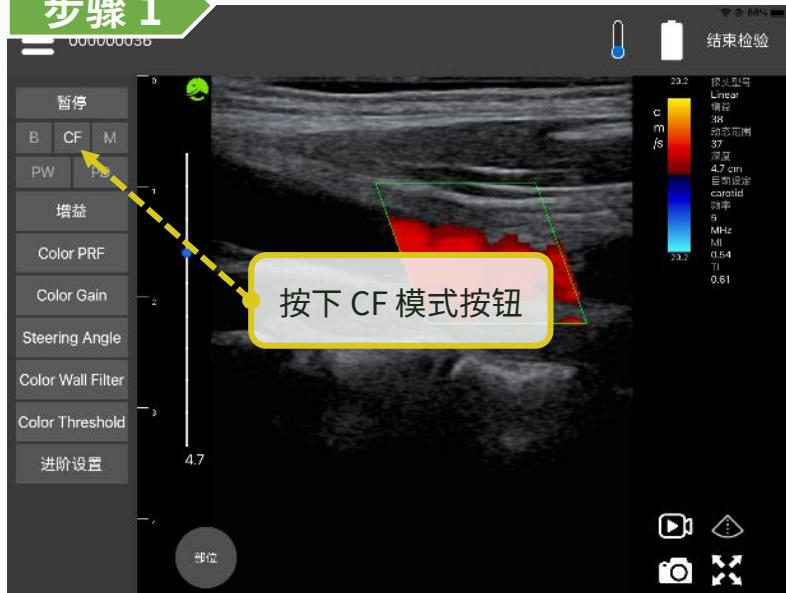


# 超声波扫描 - CF (Color Flow) 模式

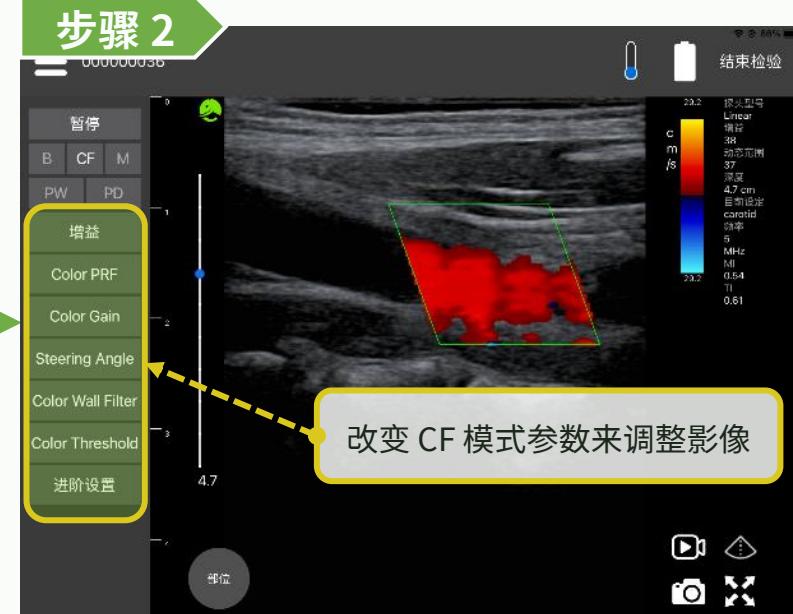
\*Optional function

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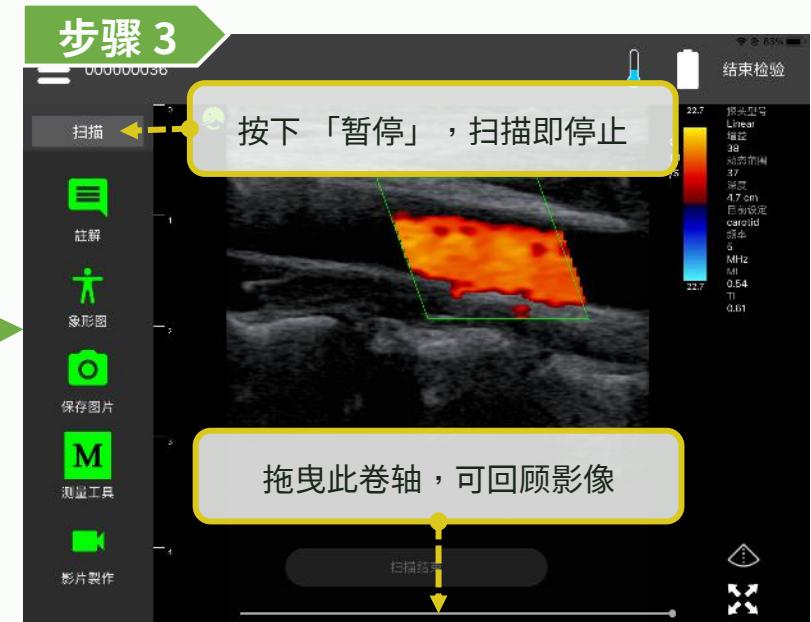
步骤 1



步骤 2



步骤 3

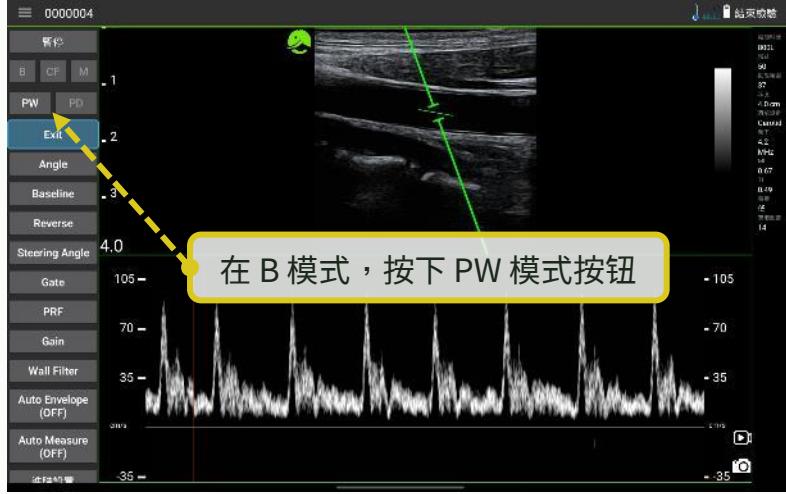


# 超音波扫描 - PW (Pulse Wave) 模式 (没有 color)

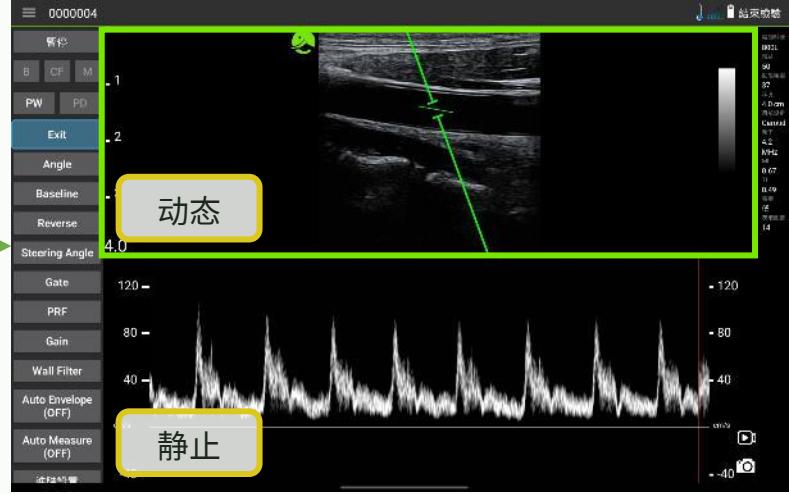
\*Optional function

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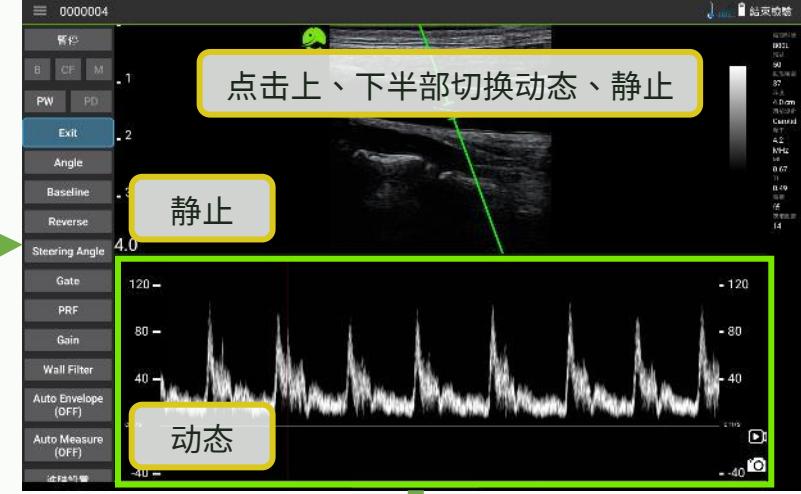
## 步骤 1



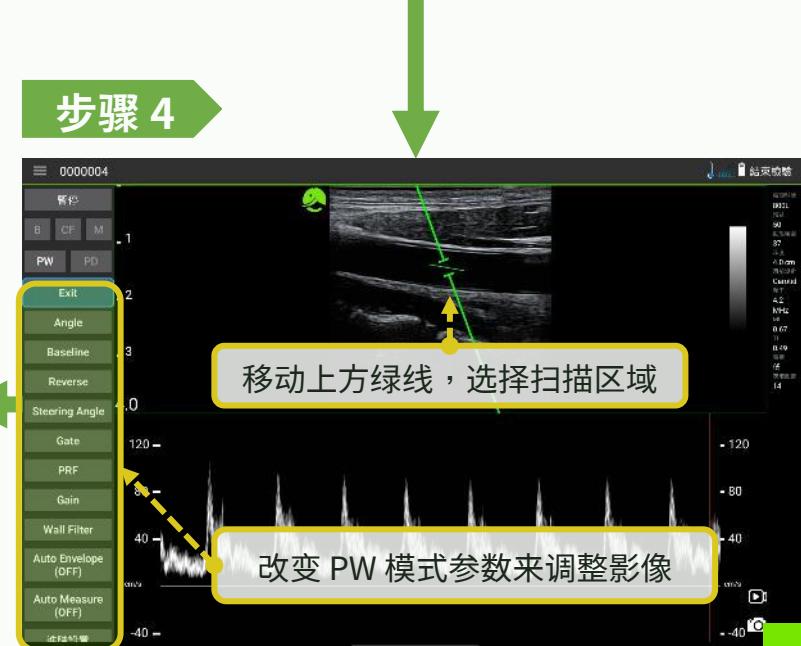
## 步骤 2



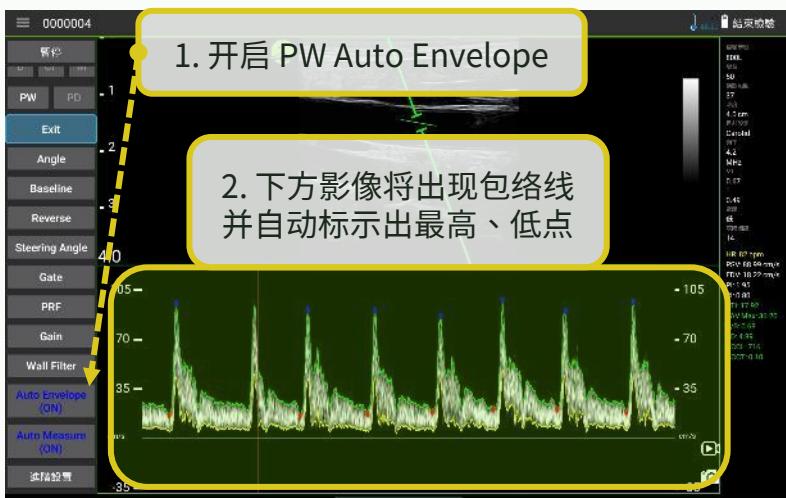
## 步骤 3



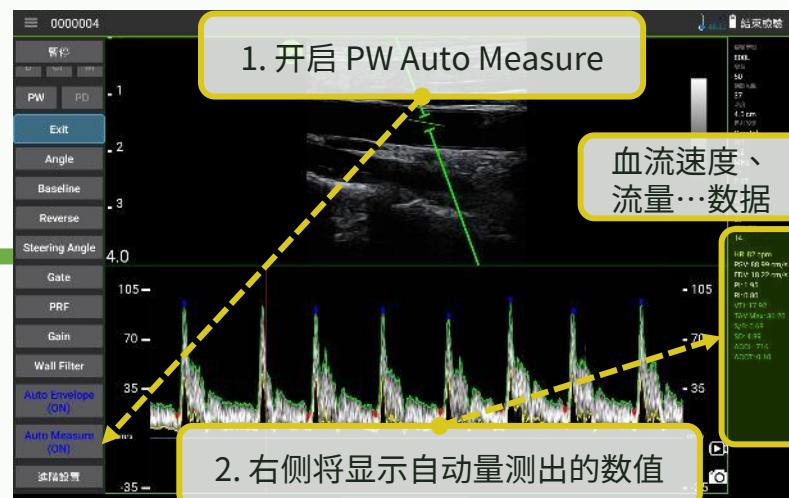
## 步骤 4



## 步骤 6



## 步骤 5



# 超声波扫描 - PW (Pulse Wave) 模式 (有 color)

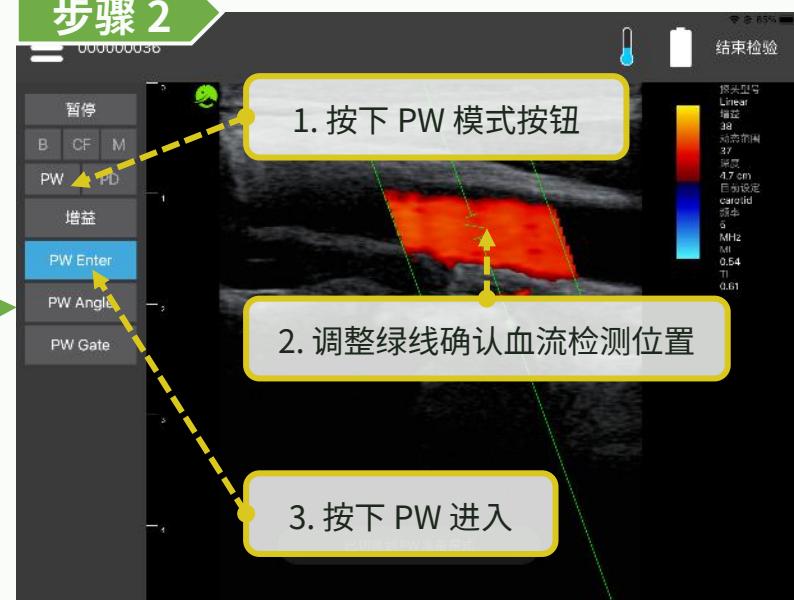
\*Optional function

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## 步骤 1



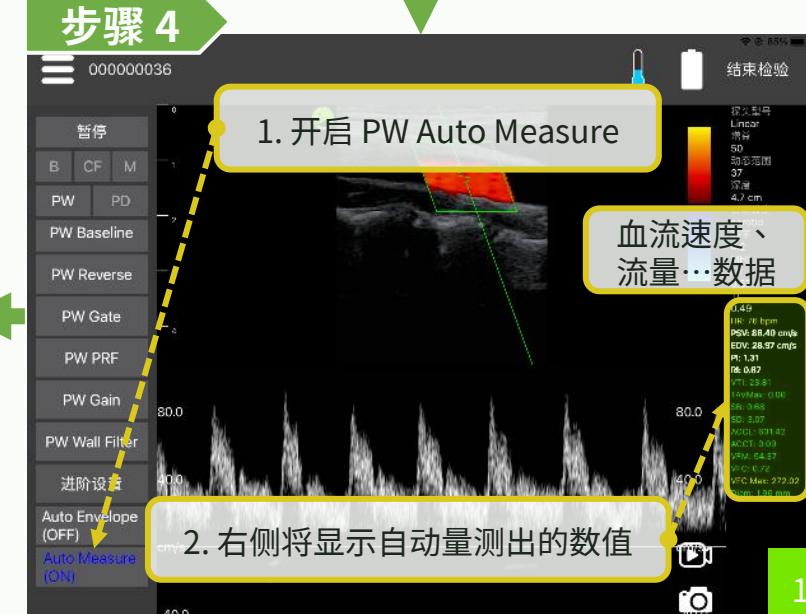
## 步骤 2



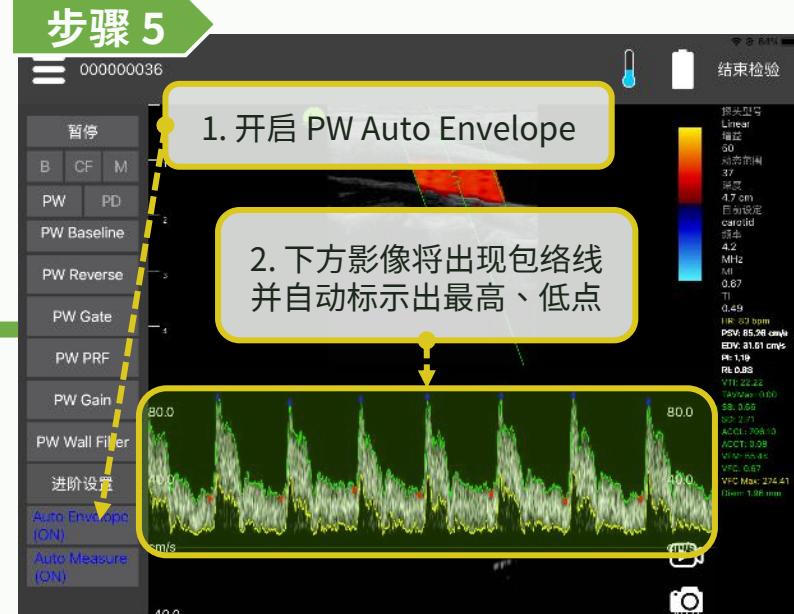
## 步骤 3



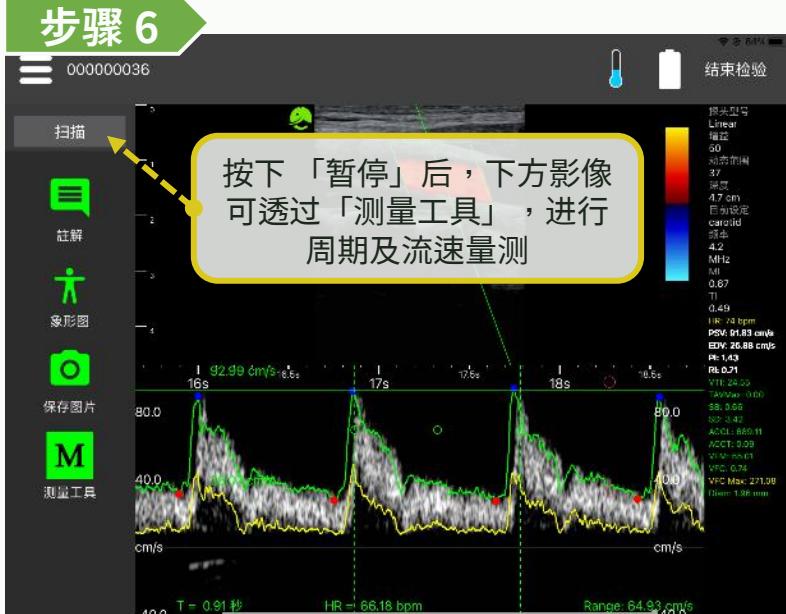
## 步骤 4



## 步骤 5



## 步骤 6



# 超声波扫描 - PD (Power Doppler) 模式

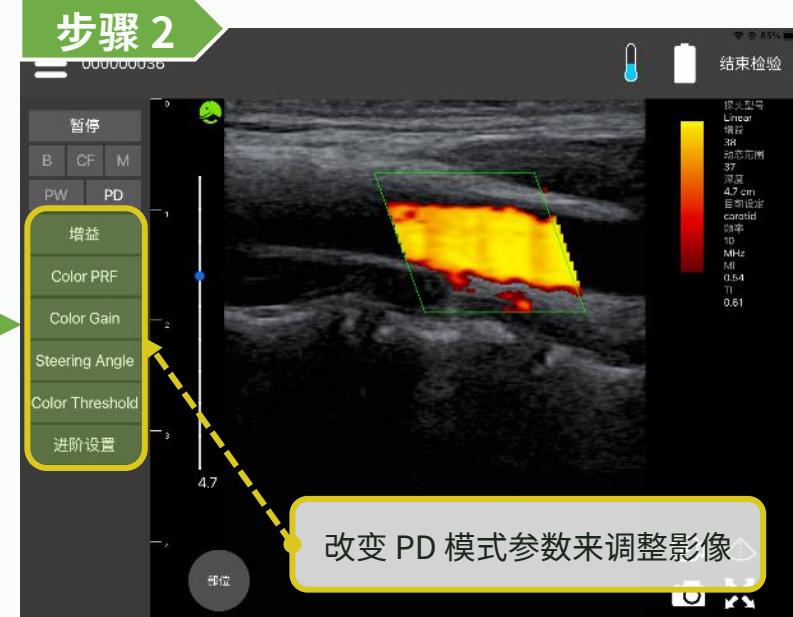
\*Optional function

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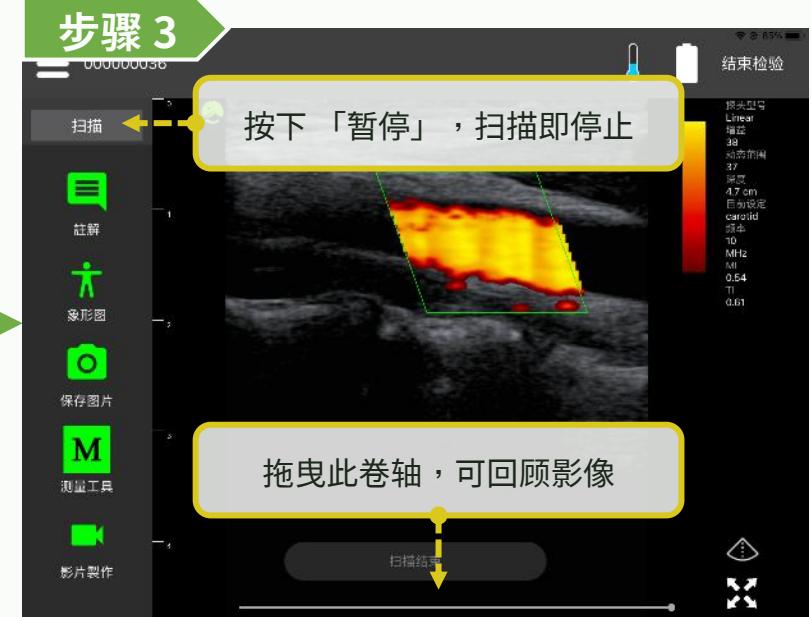
步骤 1



步骤 2



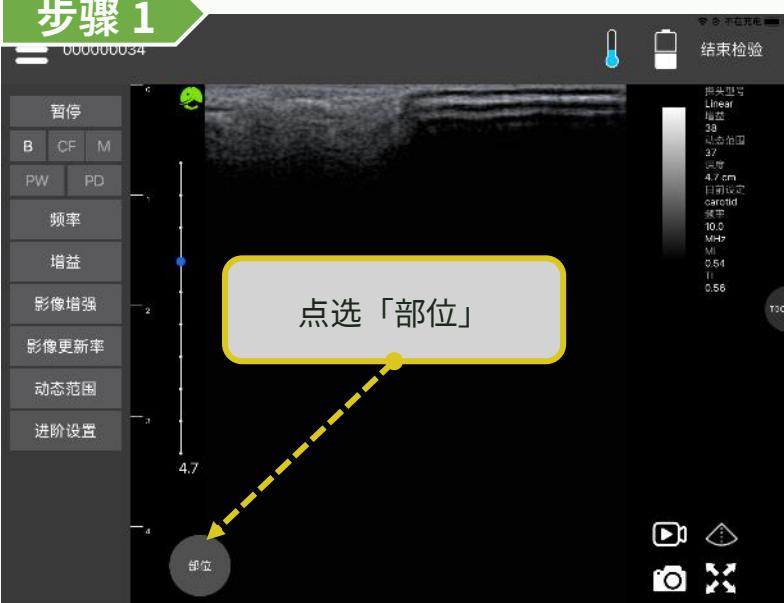
步骤 3



# 超声波扫描 - 标准选择&使用者自定义预设部位 (700/128 系列)

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## 步骤 1



## 步骤 2



## 步骤 3



## 步骤 4



## 步骤 5

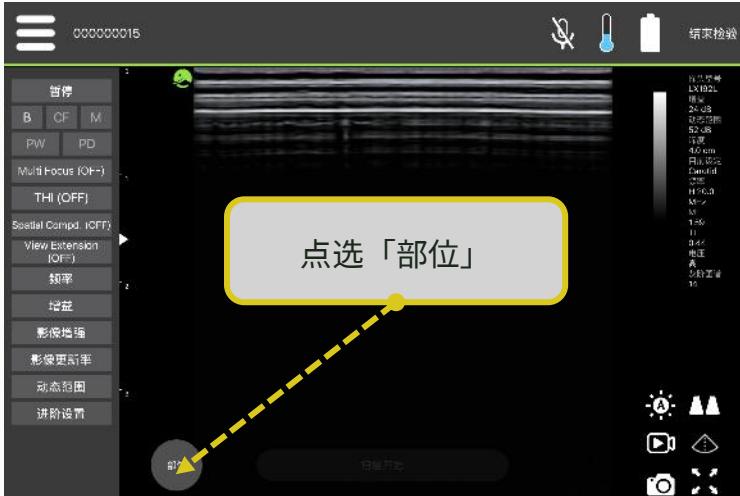


星号图标表示每次扫描使用的默认部位。  
长按另一个将其设定为新的预设部位。

# 超声波扫描 - 标准选择&使用者自定义预设部位 (LX 系列)

LELTEK

## 步骤 1



## 步骤 2



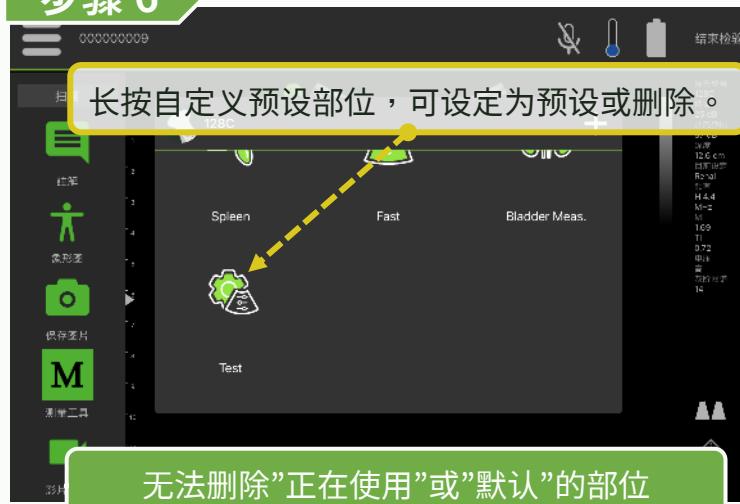
## 步骤 3



## 步骤 4



## 步骤 5

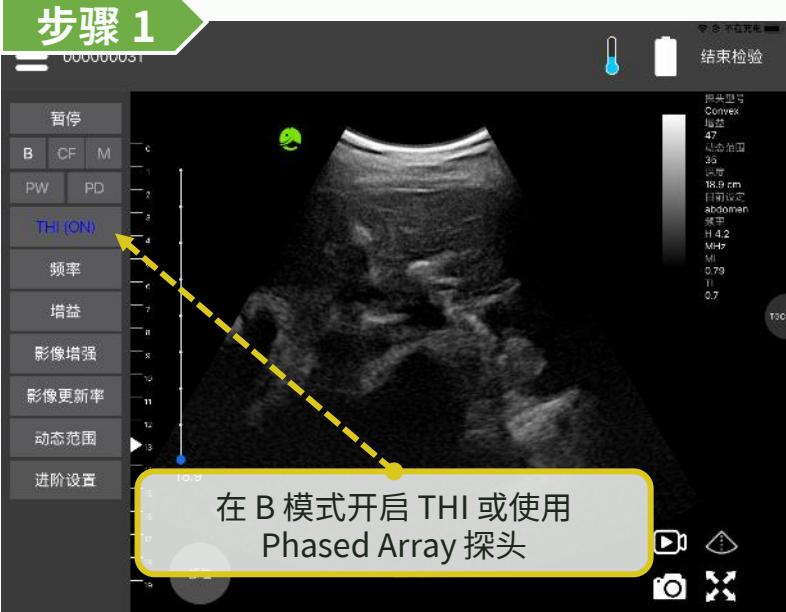


星号图标表示每次扫描使用的默认部位。  
长按另一个将其设定为新的预设部位。

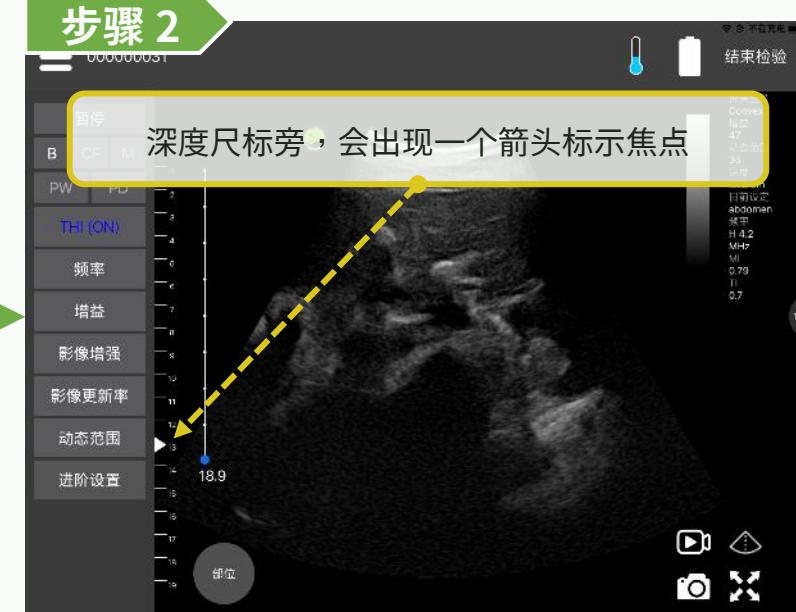
# 超声波扫描 - 调整 Focus

LELTEK

步骤 1



步骤 2



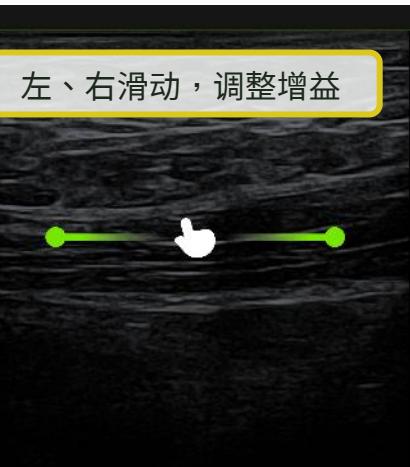
步骤 3



# 超声波扫描 - 使用手势调整参数

LELTEK

步骤 1



调整增益

步骤 2



调整深度

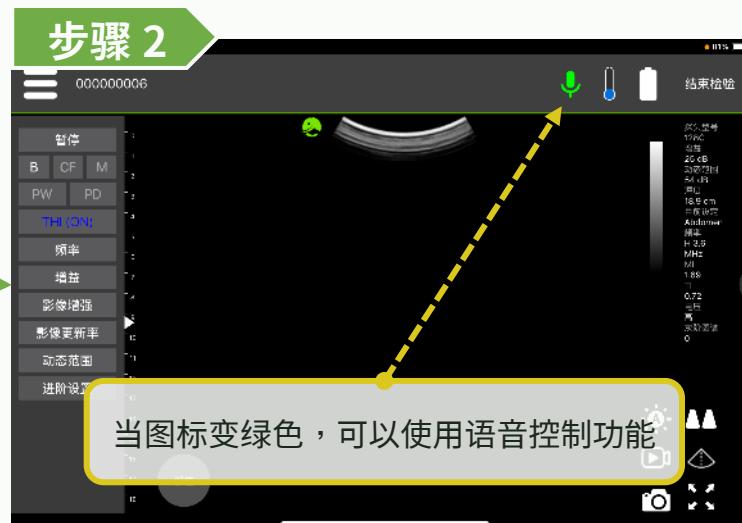
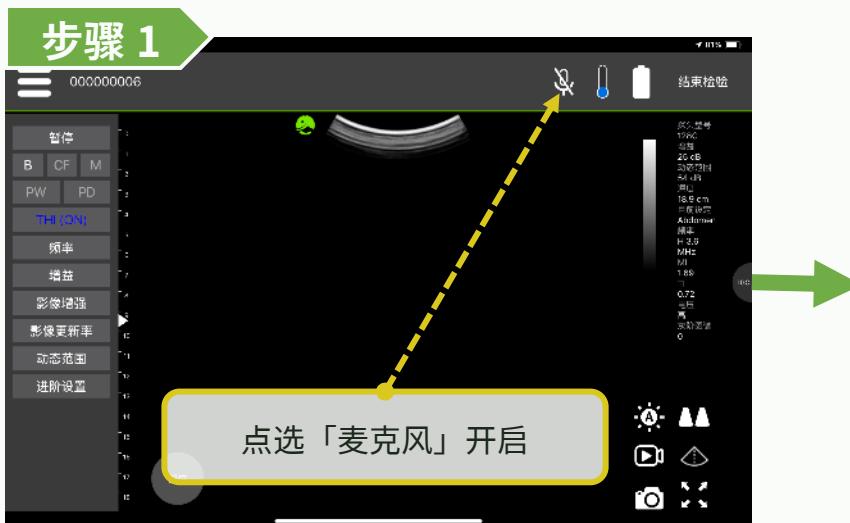
步骤 3



前往 app 设定页面，可以开启  
调整深度的实体按键

# 超音波扫描 - 语音控制

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控制功能	语音指令
Freeze	Freeze
Live	Live
Save image	Capture image

可下载脱机套件强化语音识别功能

【Android】



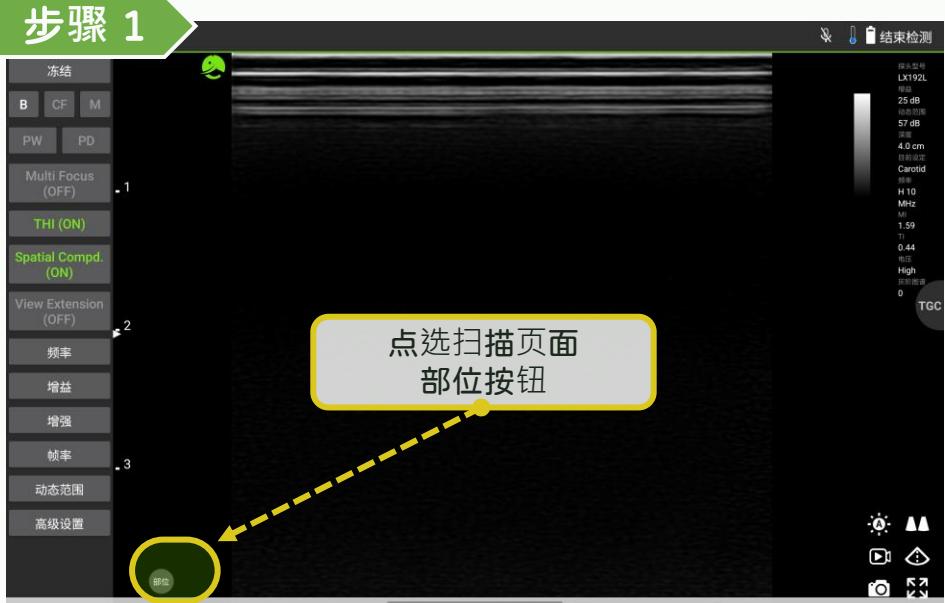
【iOS】



# 超音波扫描 - 切换探头 (LX 系列)

LELTEK

步骤 1



步骤 2



步骤 3



## 【注解、量测与影像储存】

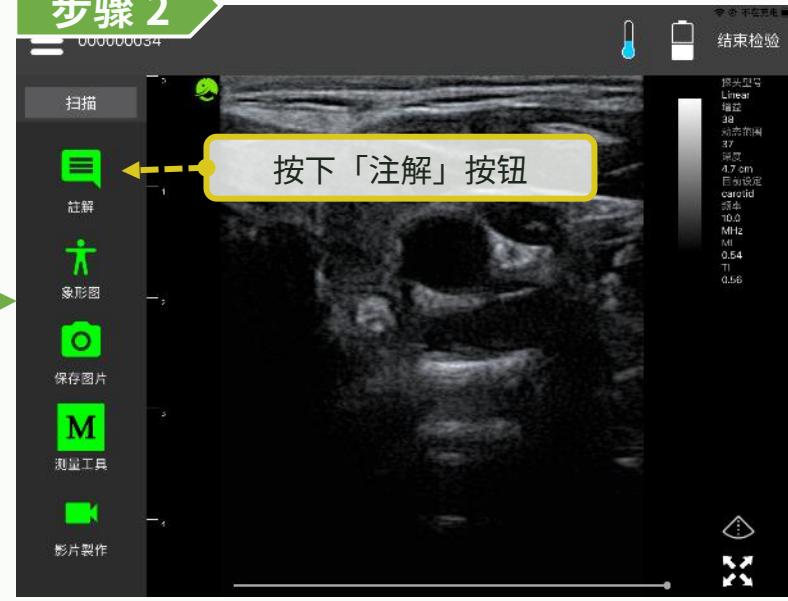
# 注解、量测与影像储存 - 注解 & 象形图

LELTEK

## 步骤 1



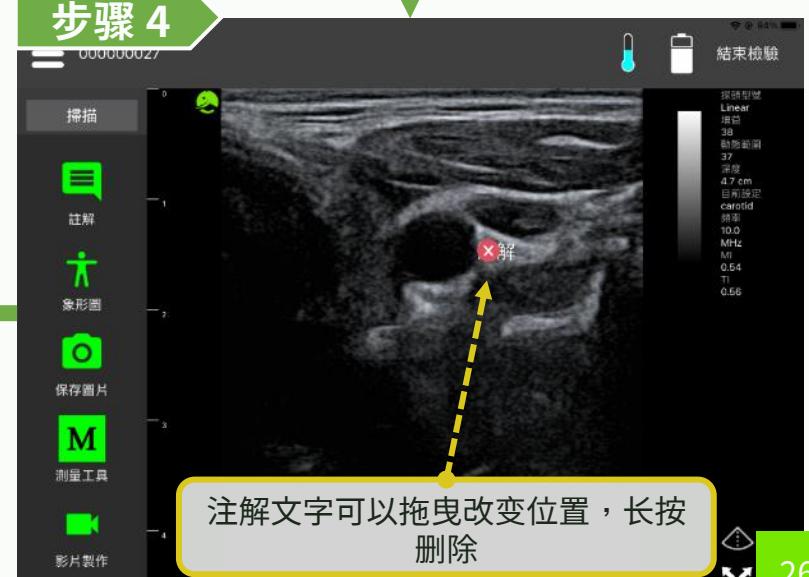
## 步骤 2



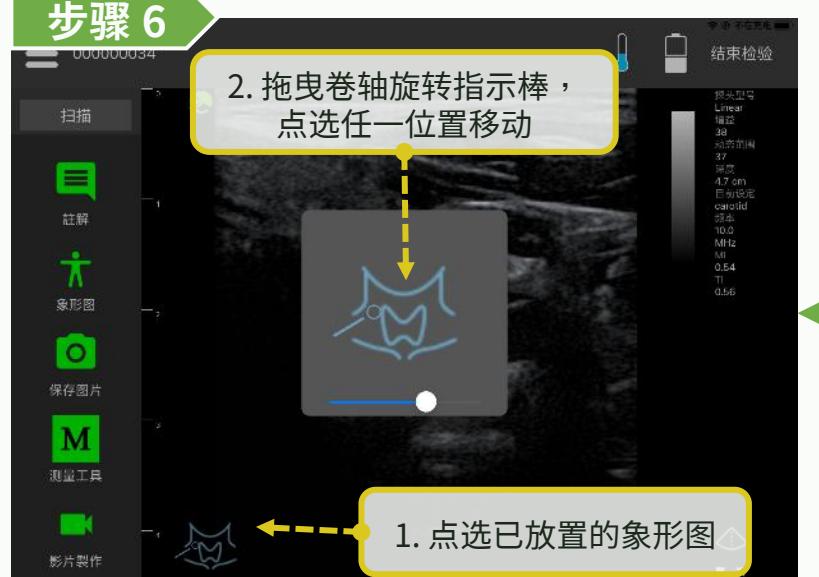
## 步骤 3



## 步骤 4



## 步骤 5



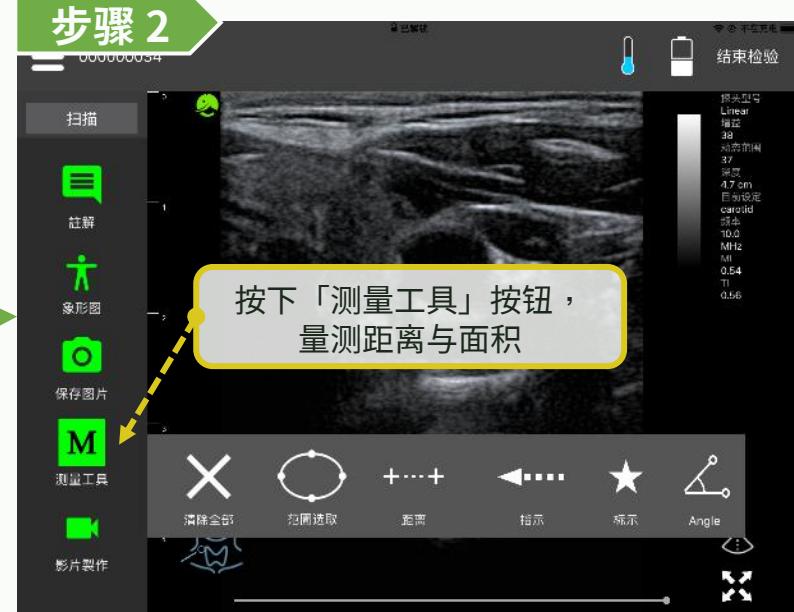
# 注解、量测与影像储存 - 量测

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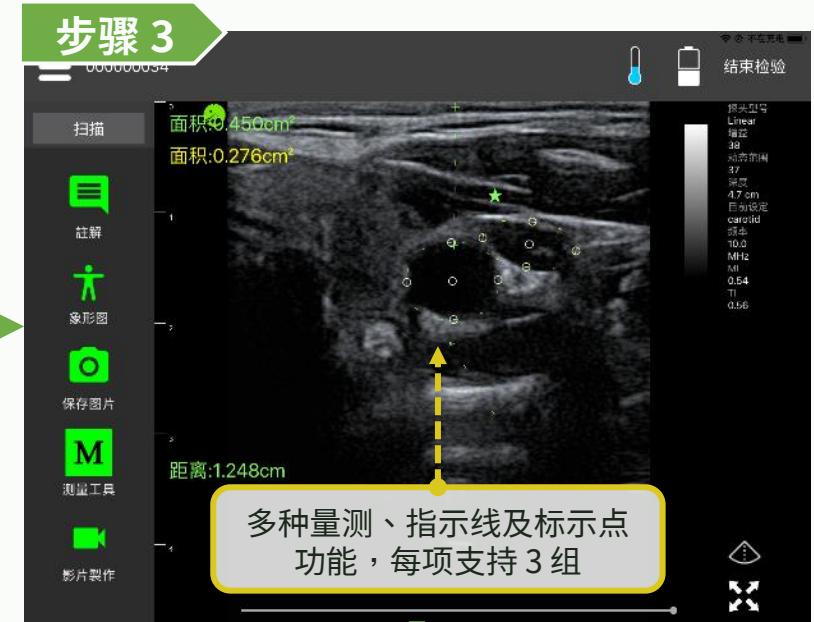
步骤 1



步骤 2



步骤 3



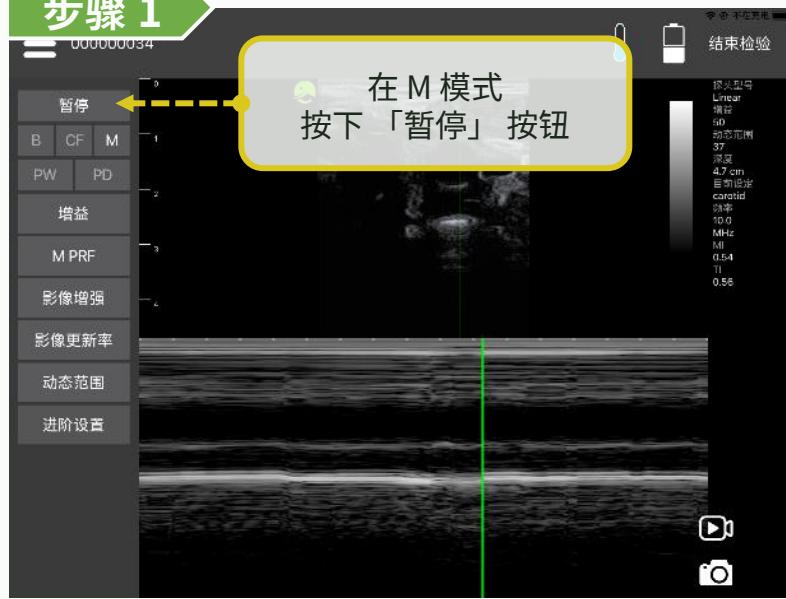
步骤 4



# 注解、量测与影像储存 - M 模式量测

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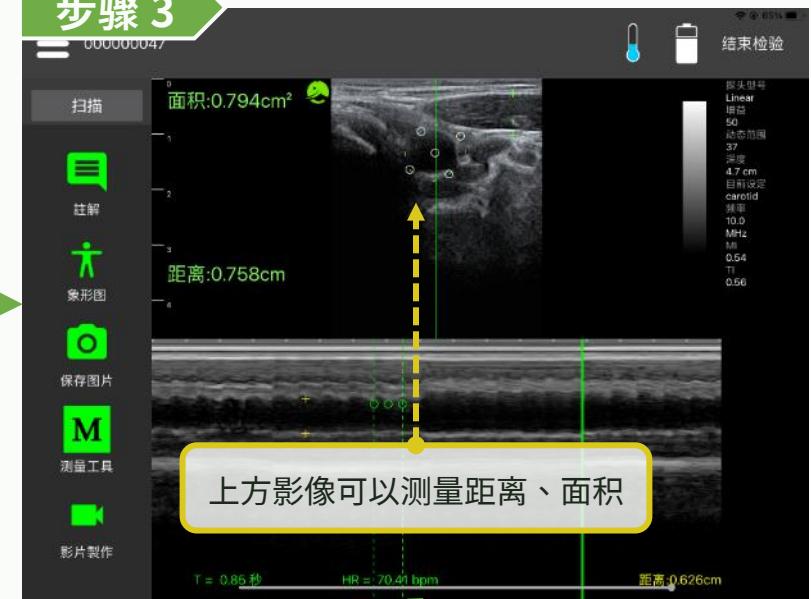
## 步骤 1



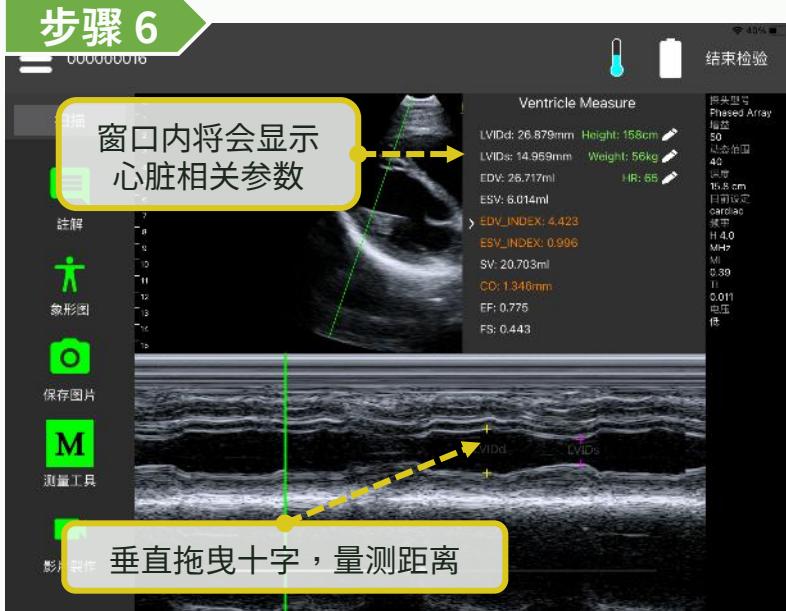
## 步骤 2



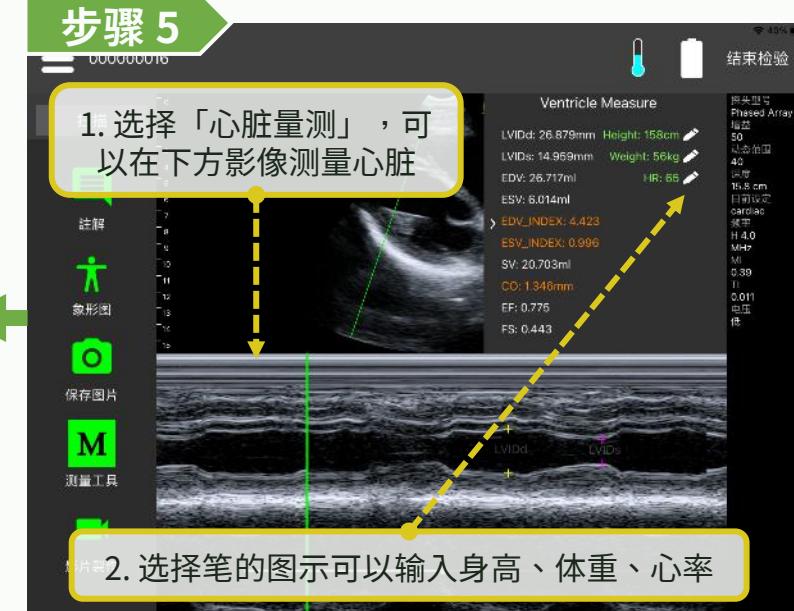
## 步骤 3



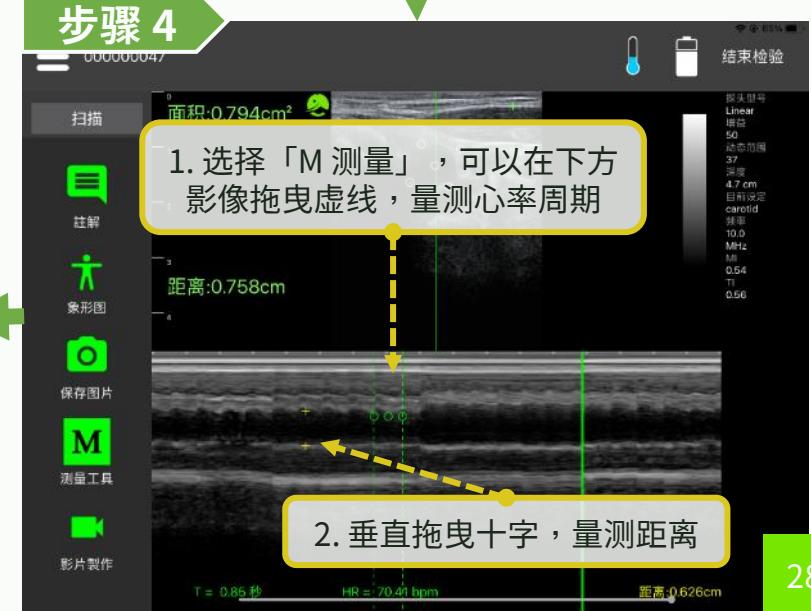
## 步骤 6



## 步骤 5



## 步骤 4



# 注解、量测与影像储存 - 量测膀胱容积

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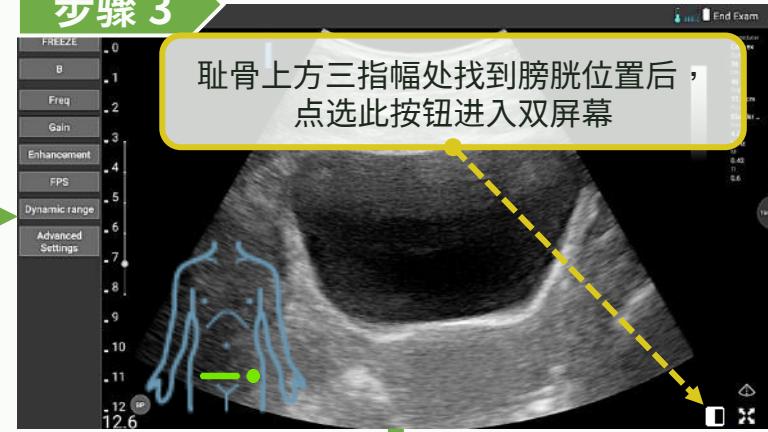
## 步骤 1



## 步骤 2



## 步骤 3

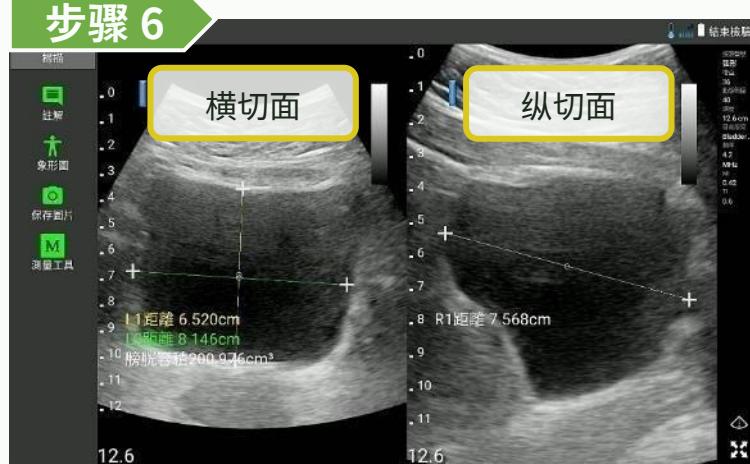


## 步骤 4

## 步骤 4



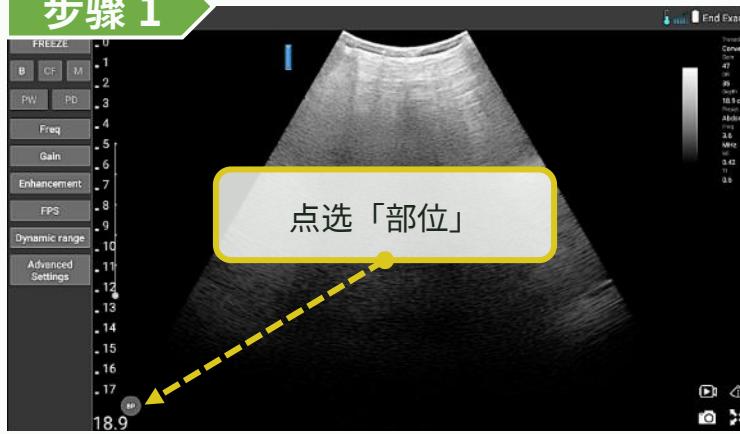
## 步骤 5



# 注解、量测与影像储存 - 计算妊娠年龄

LELTEK

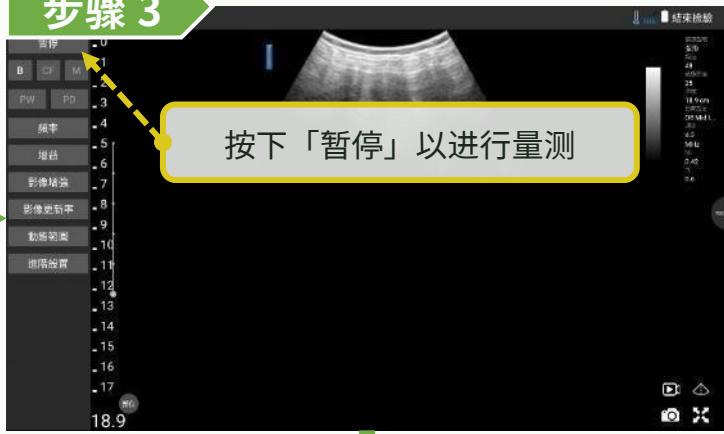
## 步骤 1



## 步骤 2



## 步骤 3

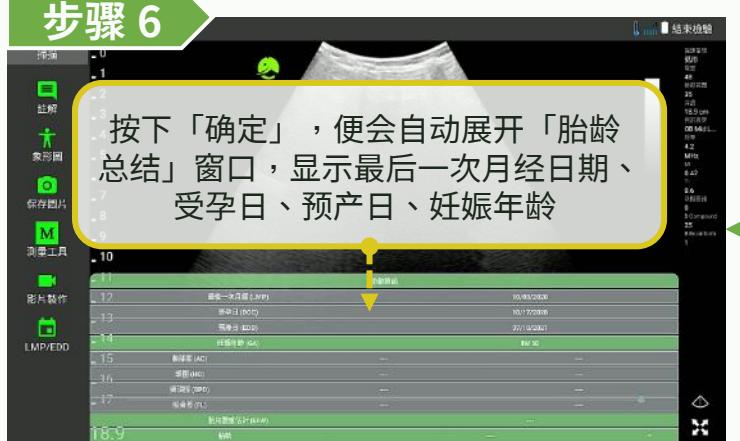


## 步骤 4

## 步骤 4



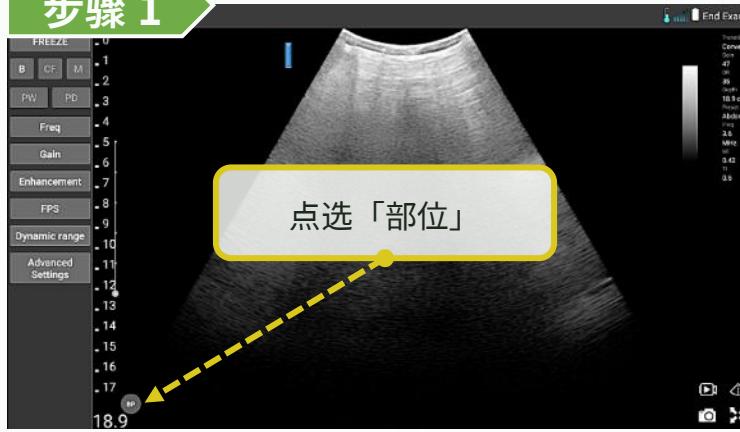
## 步骤 5



# 注解、量测与影像储存 - 早期产科测量

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步骤 1



步骤 2



步骤 3



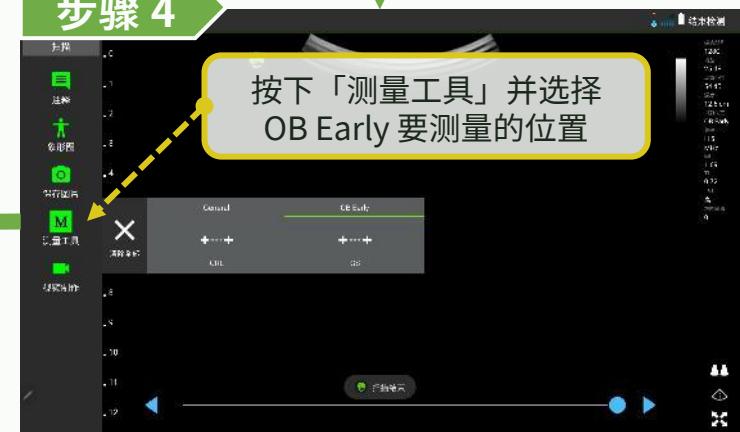
步骤 6



步骤 5



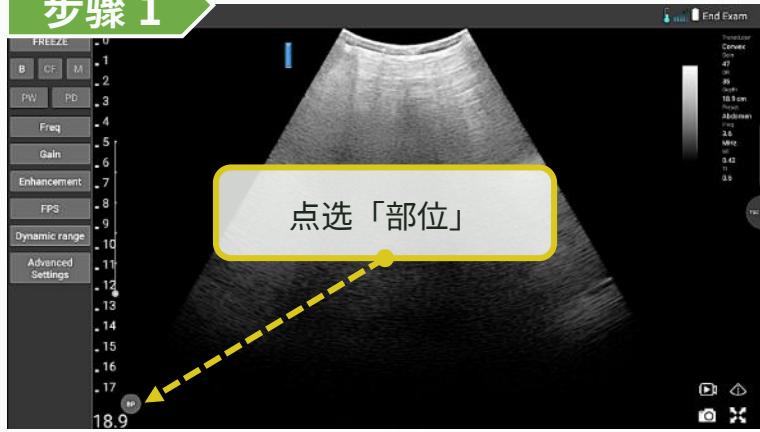
步骤 4



# 注解、量测与影像储存 - 中后期产科测量

LELTEK

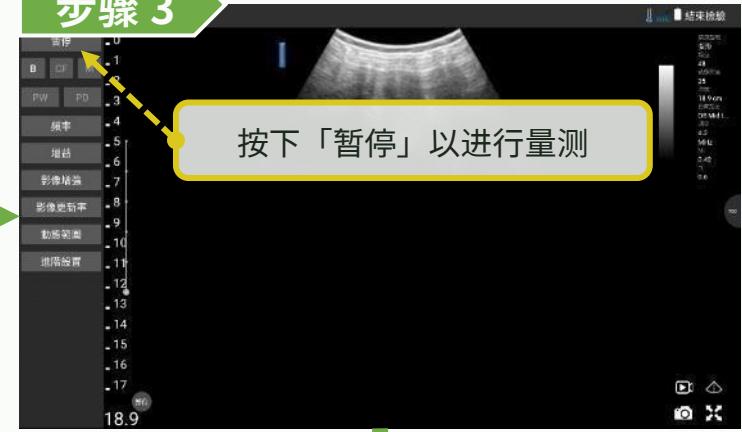
## 步骤 1



## 步骤 2



## 步骤 3

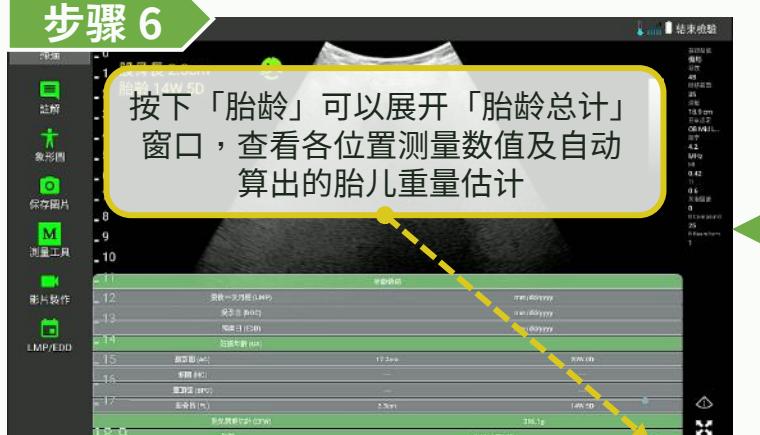


## 步骤 4

## 步骤 4



## 步骤 5



# 注解、量测与影像储存 - B 模式测量心脏

LELTEK

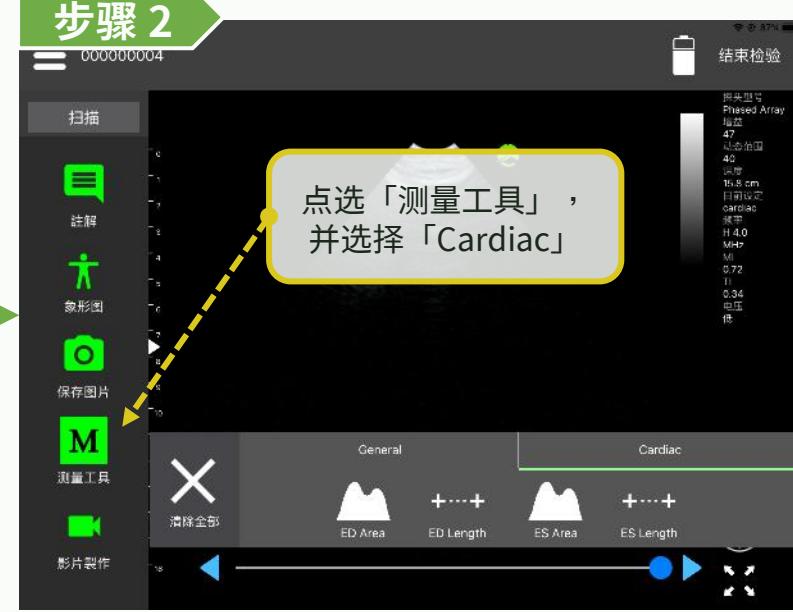
## 步骤 1

使用 Cardiac 部位，在 B 模式，  
按下「暂停」按钮



## 步骤 2

点选「测量工具」，  
并选择「Cardiac」



## 步骤 3

使用「ED Area」、「ED Length」  
、「ES Area」、「ES Length」测量后将  
计算 SV 及 EF，并显示于下方表格中



## 步骤 4

点选表格中的笔图标，  
输入体表面积



## 步骤 5

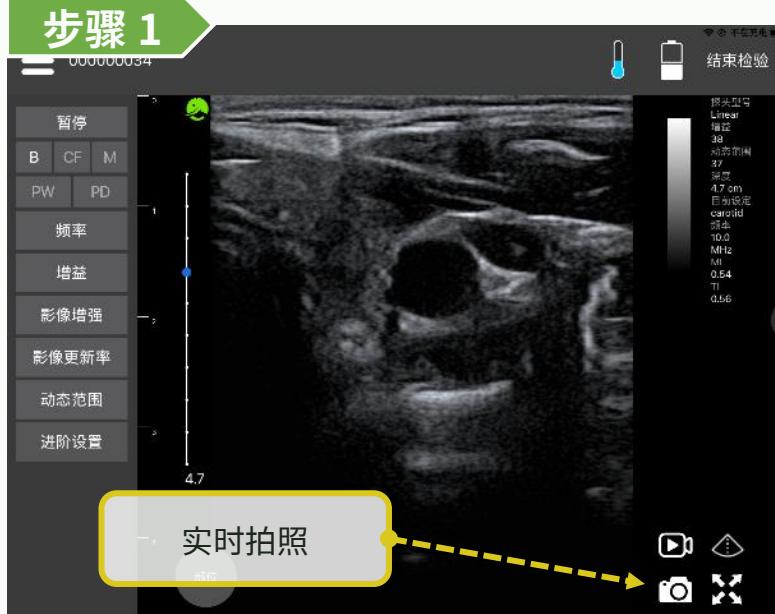
计算出的 SV、SI、CO、CI、  
EF 值，将显示于下方表格中



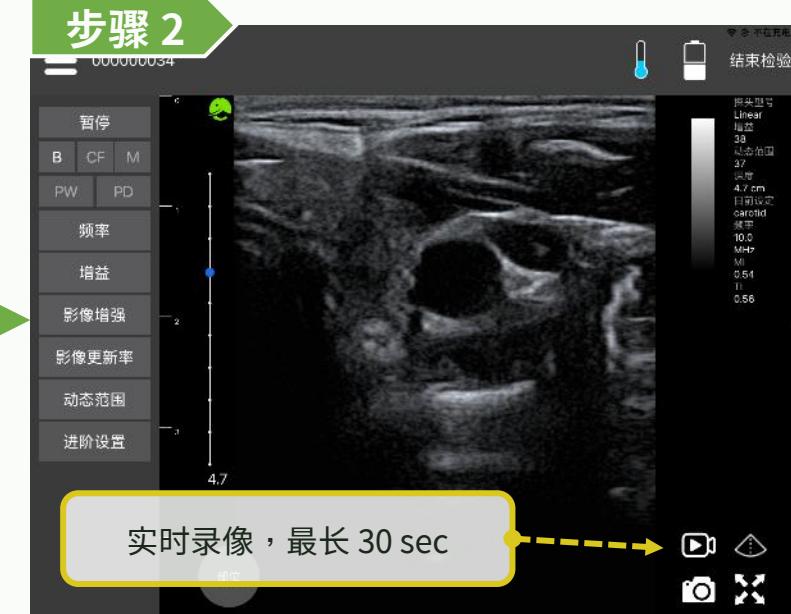
# 注解、量测与影像储存 - 影像储存 (实时)

LELTEK

步骤 1



步骤 2



可达长度200张（含）以上或15秒（含）以上

# 注解、量测与影像储存 - 影像储存 (非实时)

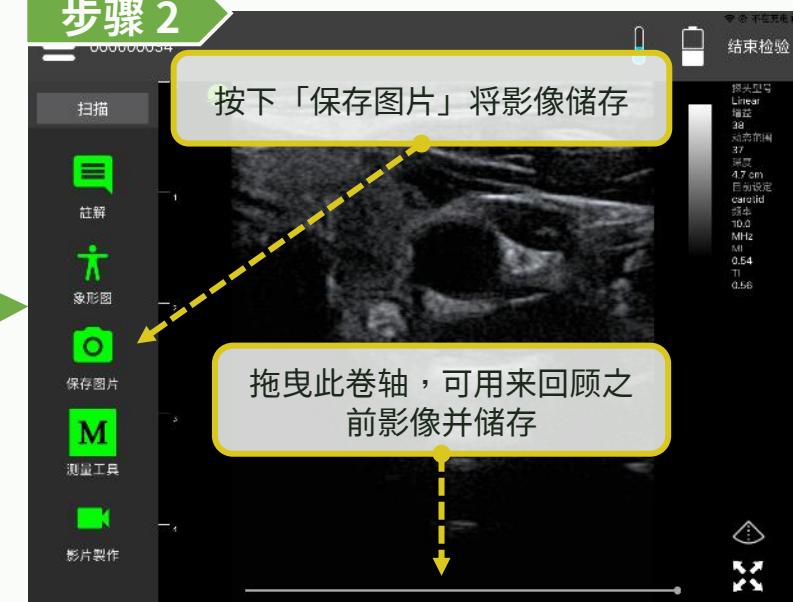
LELTEK

步骤 1



按下「暂停」按钮

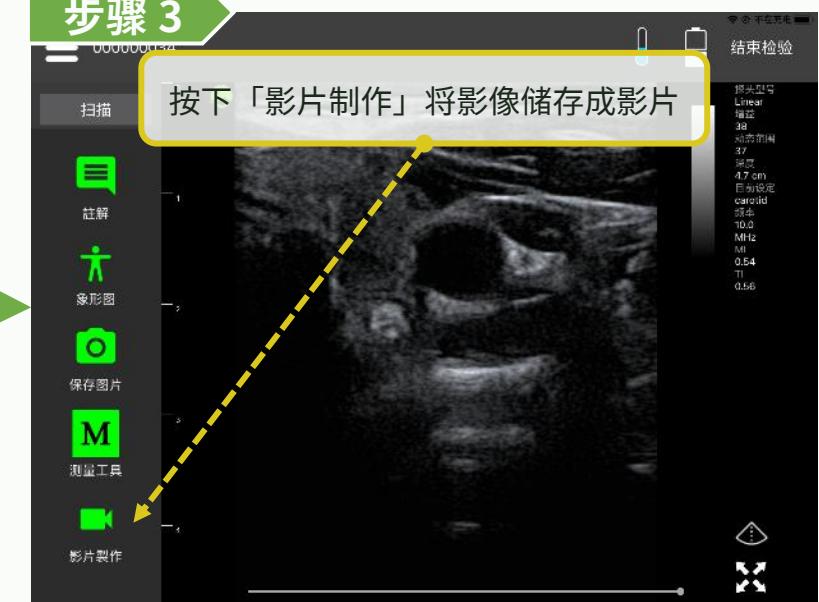
步骤 2



按下「保存图片」将影像储存

拖曳此卷轴，可用来回顾之前影像并储存

步骤 3



按下「影片制作」将影像储存成影片

步骤 4



往前拖曳选取想要制成影片的秒数，按下「确认」

开始制成影片

可达长度200张（含）以上或15秒（含）以上

# 注解、量测与影像储存 - 事后编辑

LELTEK

步骤 1

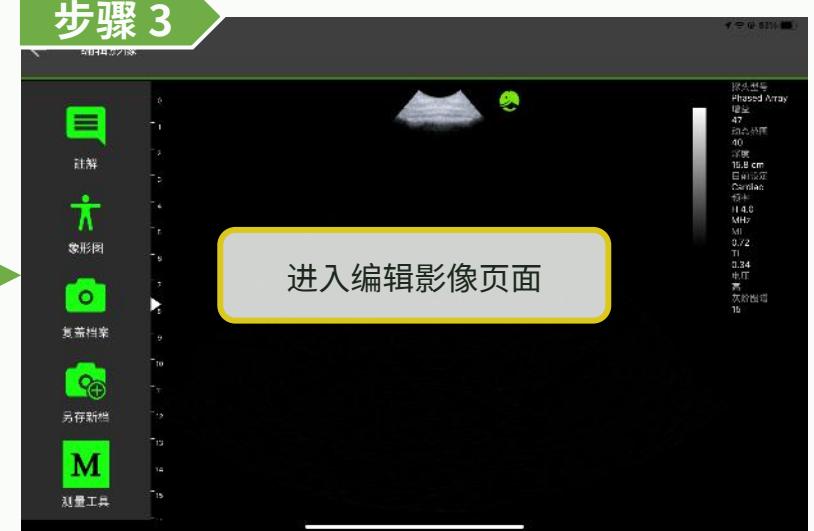


步骤 2

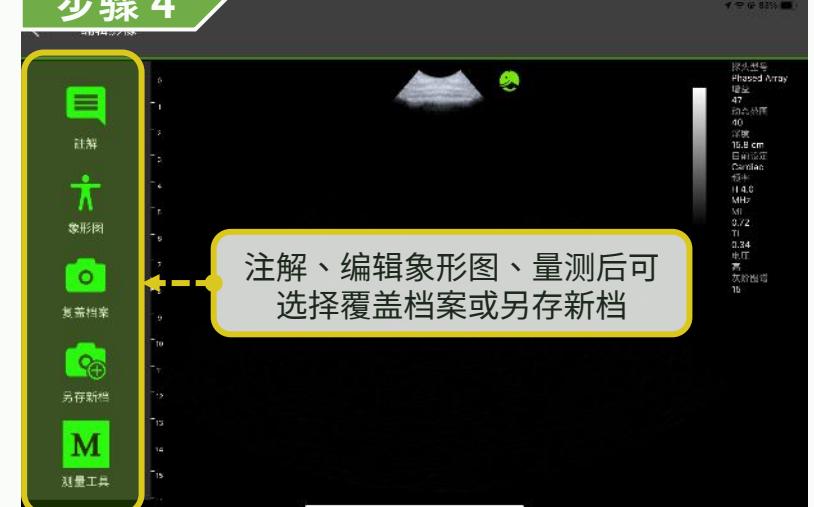


目前仅支持编辑 B 模式且不含特殊测量工具的影像

步骤 3



步骤 4



# 注解、量测与影像储存 - 影像汇出

\*请定期汇出资料，避免资料遗失。

LELTEK

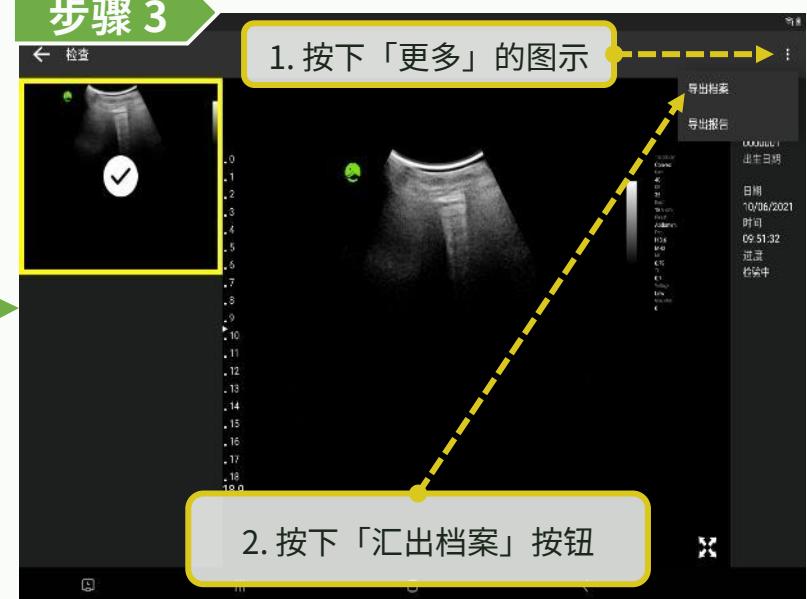
## 步骤 1



## 步骤 2



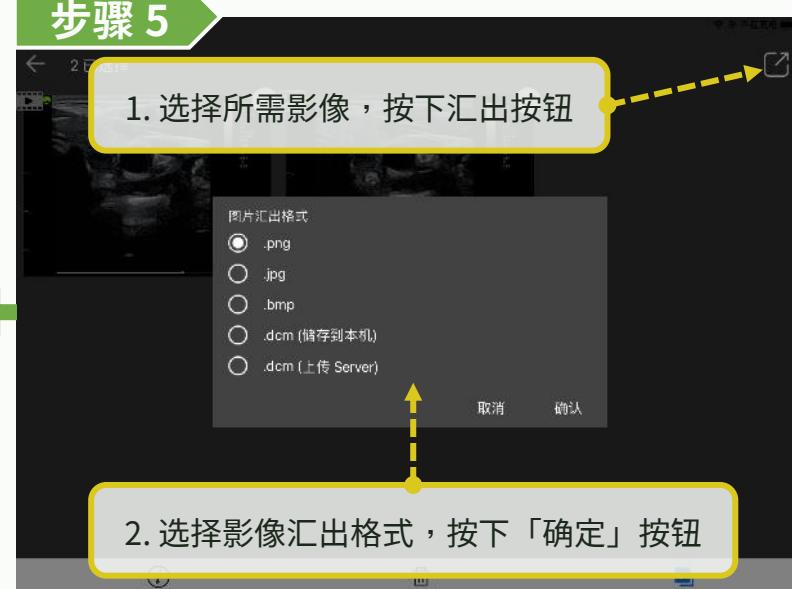
## 步骤 3



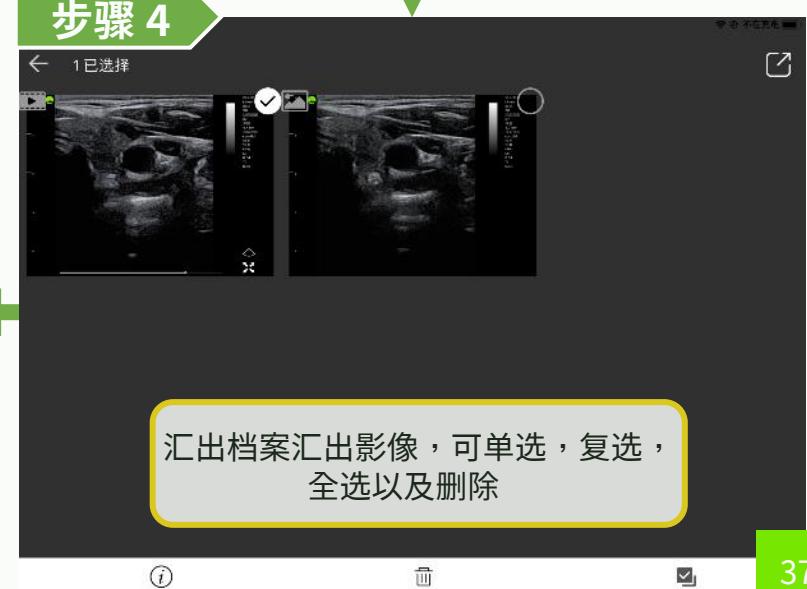
## 步骤 6



## 步骤 5



## 步骤 4



# 注解、量测与影像储存 - 影像汇出路径

LELTEK

## 步骤 1

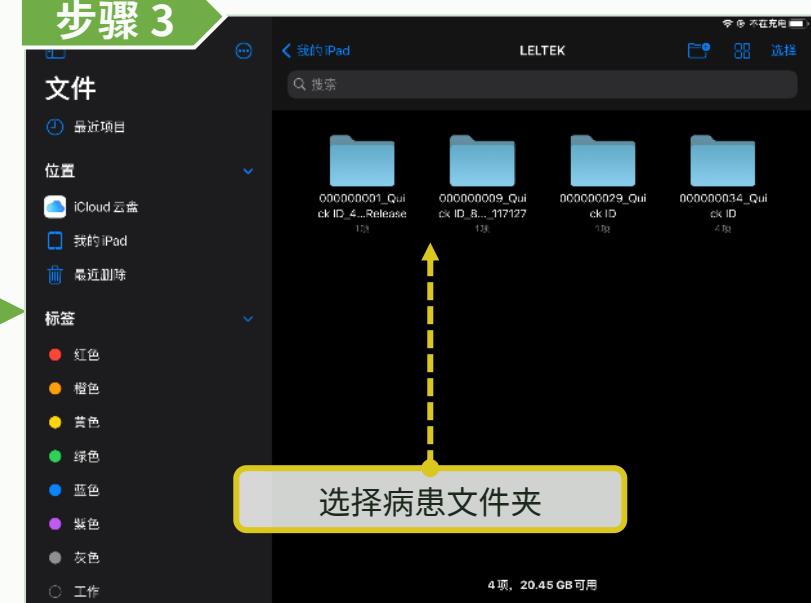


各智能型装置放置档案的文件夹名称  
有所差异，请参阅装置说明书

## 步骤 2



## 步骤 3



## 步骤 4



# 注解、量测与影像储存 - 分享

LELTEK

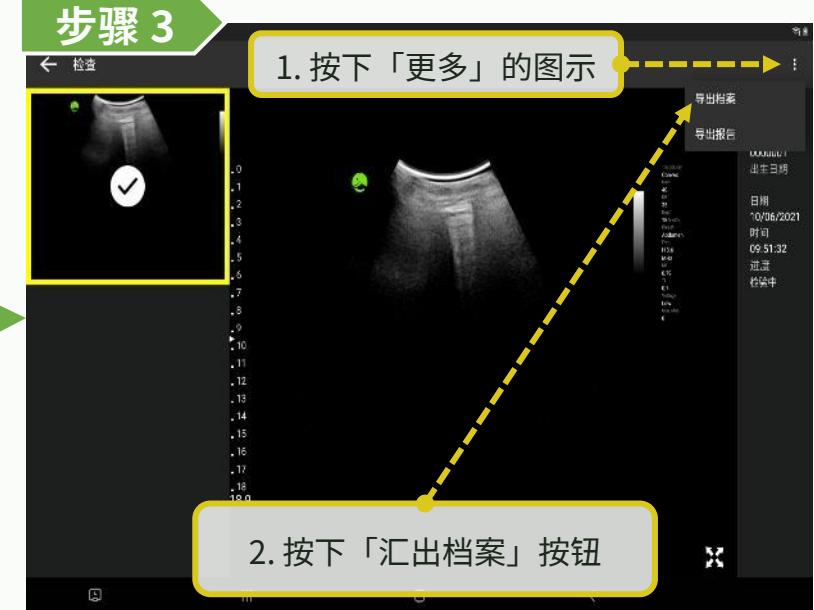
## 步骤 1



## 步骤 2



## 步骤 3



## 步骤 5



## 步骤 4



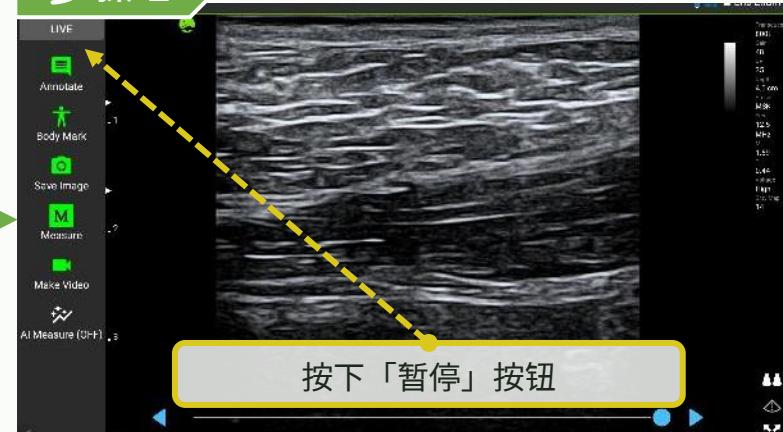
# 批注、量测与影像储存 - 自動测量 (脂肪)

LELTEK

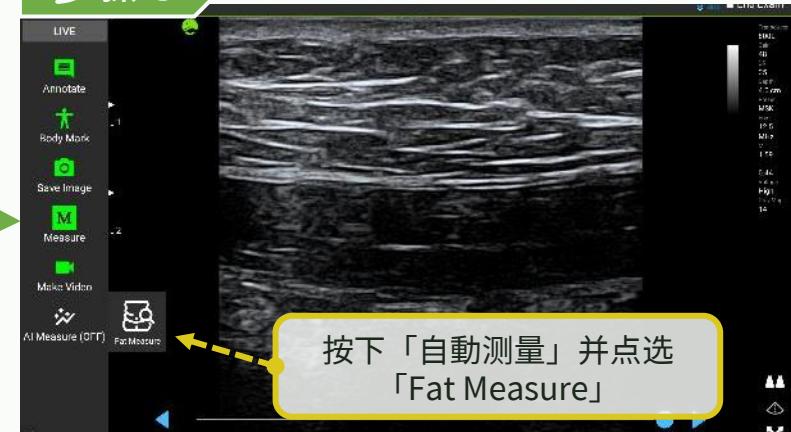
步骤 1



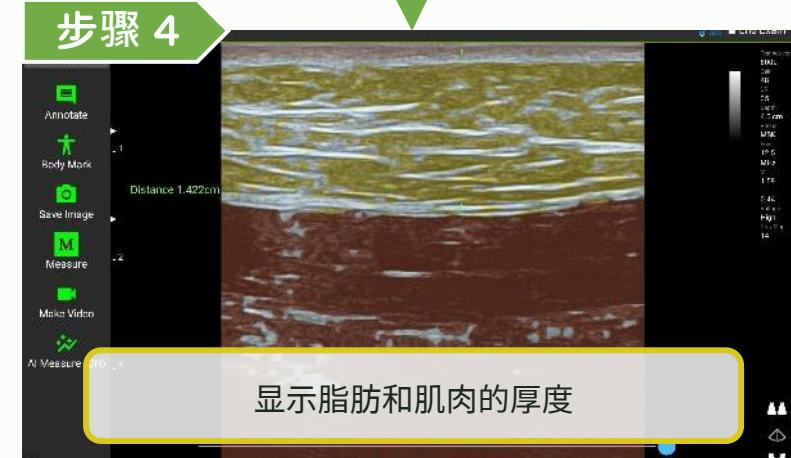
步骤 2



步骤 3



步骤 4



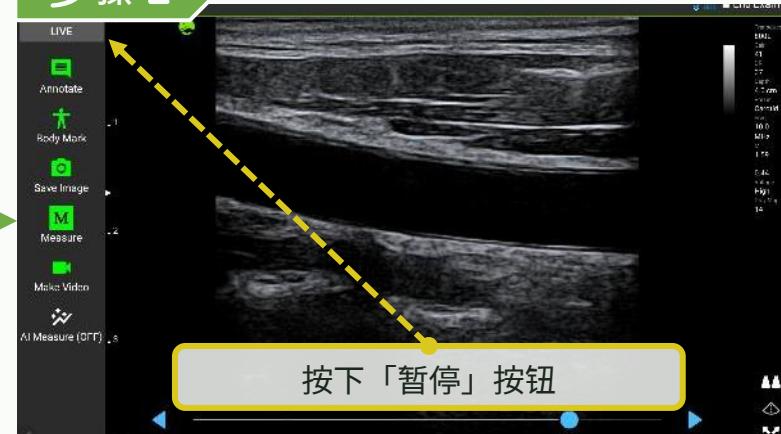
# 批注、量测与影像储存 - 自動测量 (IMT)

LELTEK

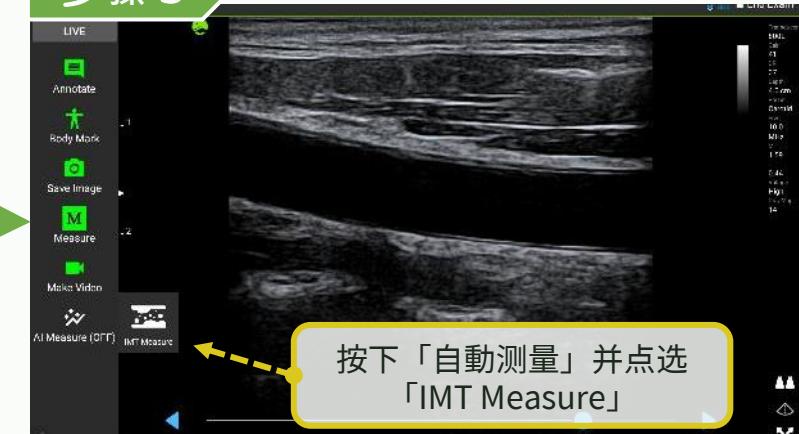
步骤 1



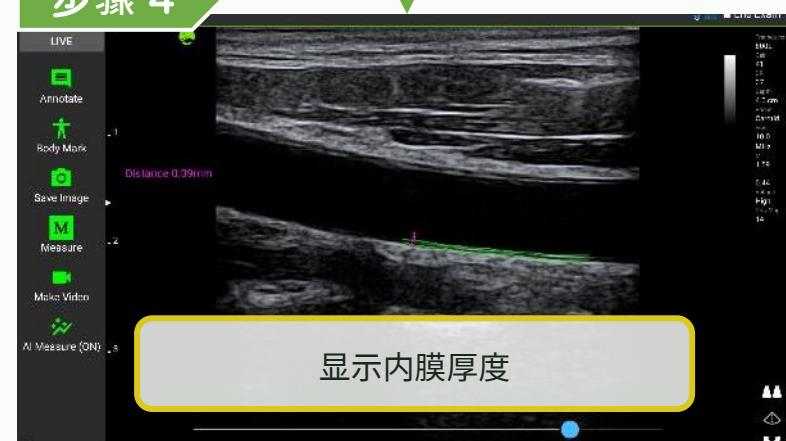
步骤 2



步骤 3



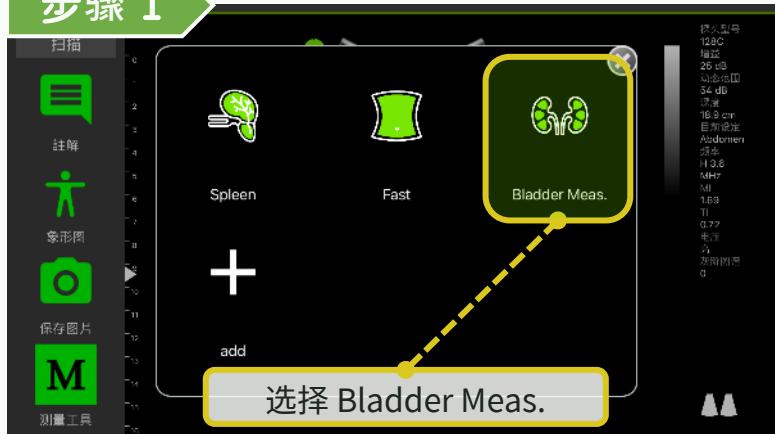
步骤 4



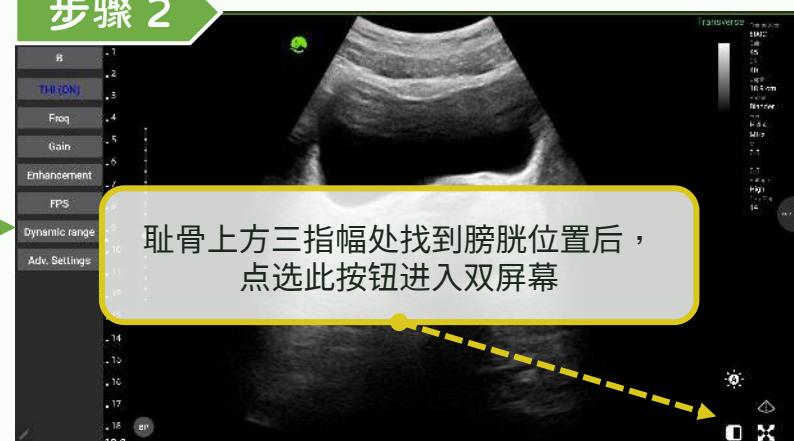
# 批注、量测与影像储存 - 自動测量 (膀胱容积)

LELTEK

## 步骤 1



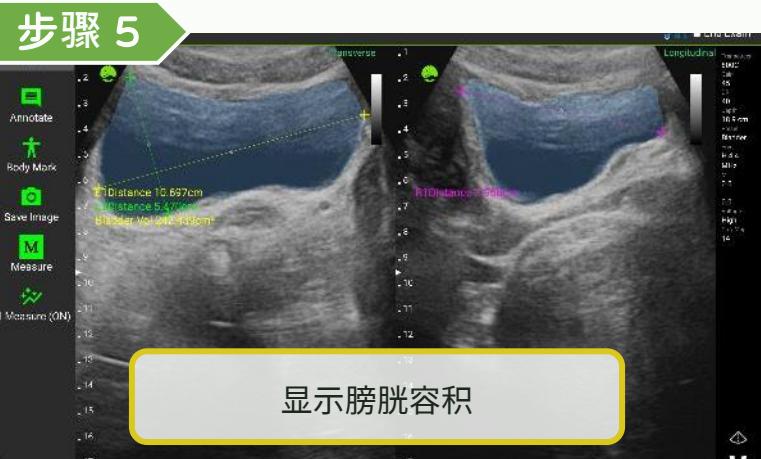
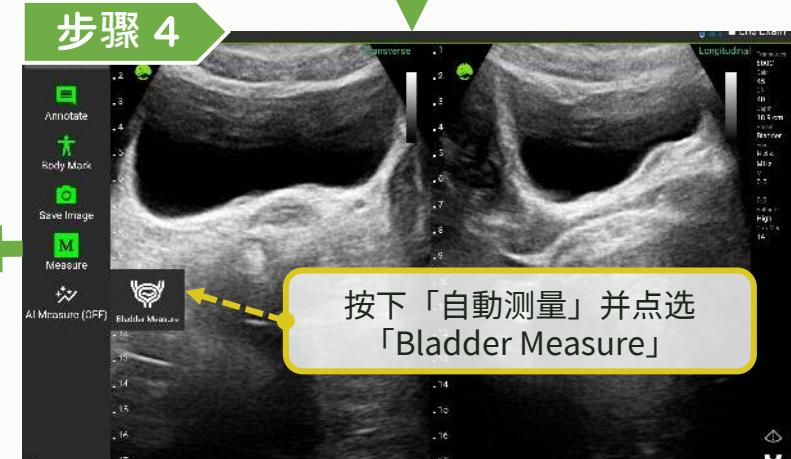
## 步骤 2



## 步骤 3



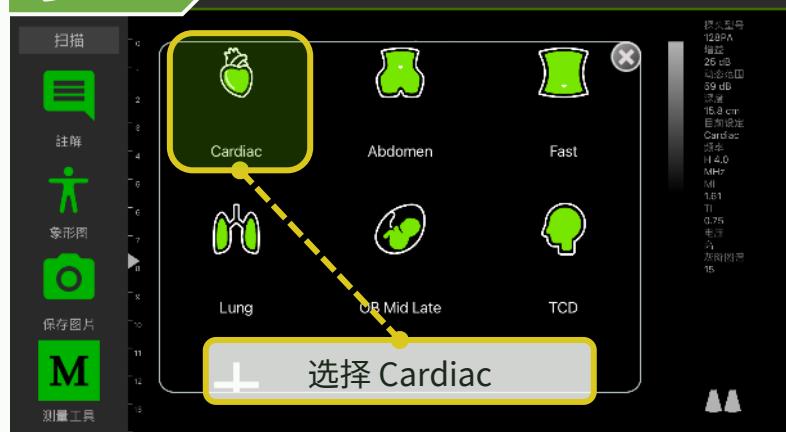
## 步骤 4



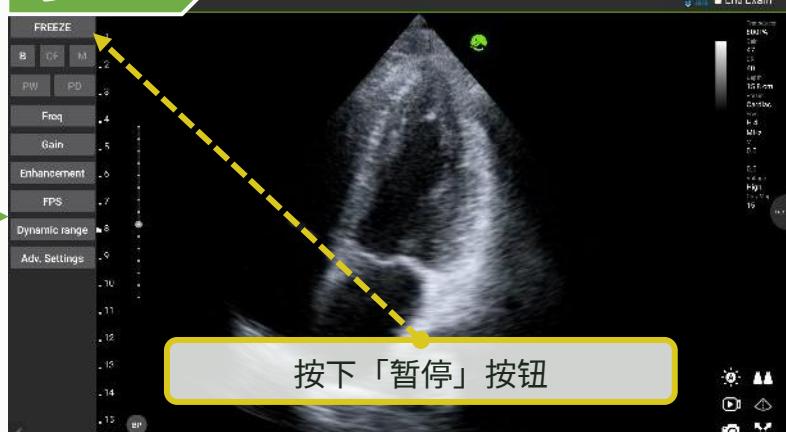
# 批注、量测与影像储存 - 自動测量 (EF)

LELTEK

步骤 1



步骤 2



步骤 3



步骤 4



## 【双屏幕功能】

# 双屏幕功能 - 开关双屏幕功能

LELTEK

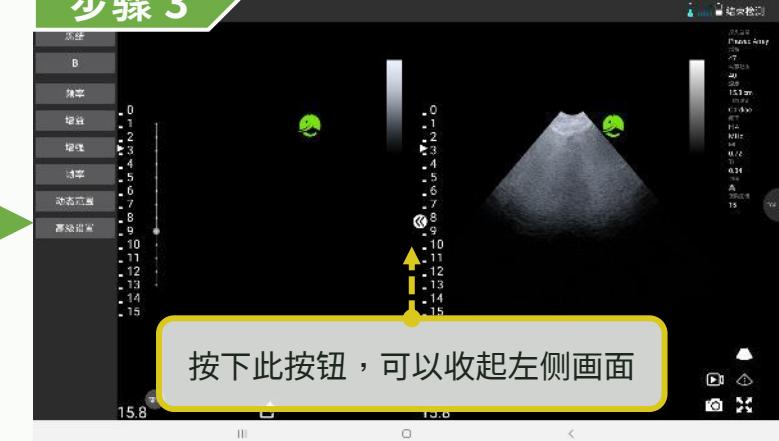
步骤 1



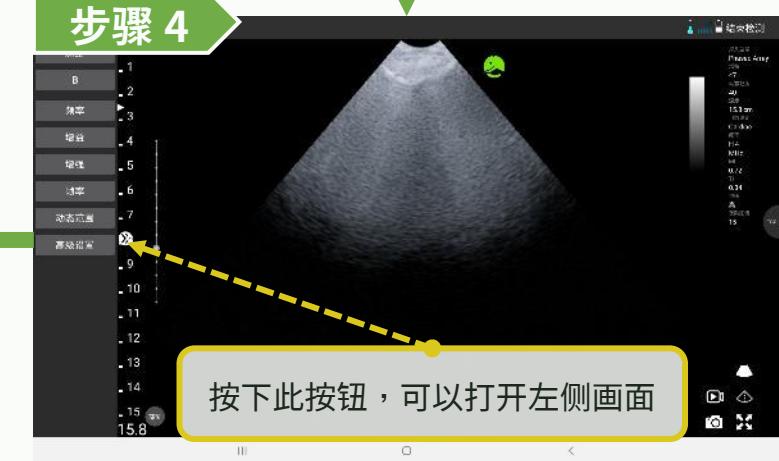
步骤 2



步骤 3



步骤 4



步骤 5



# 双屏幕功能 - 测量 & 汇出目前影像

LELTEK

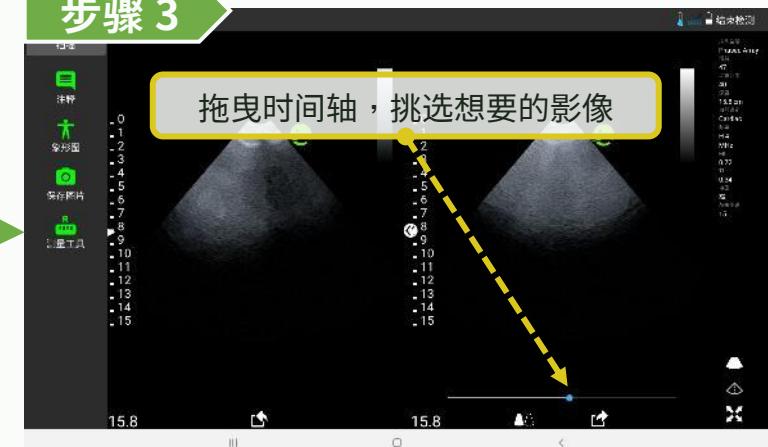
步骤 1



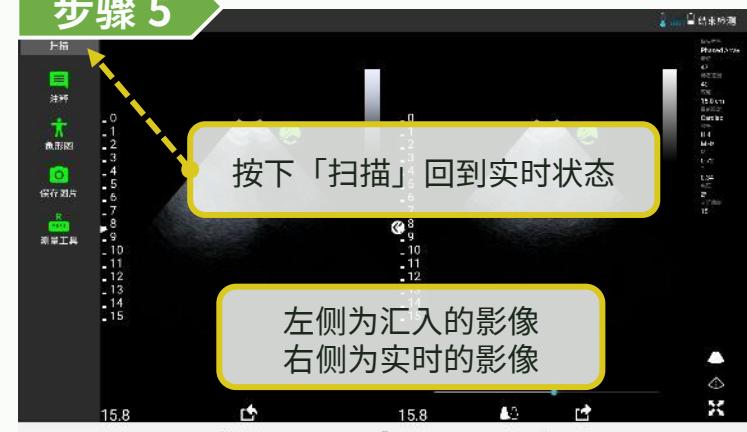
步骤 2



步骤 3



步骤 5



步骤 4



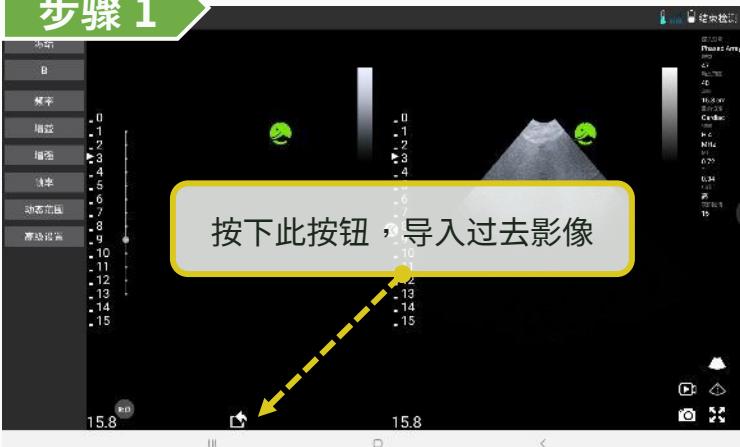
汇入影像的详细步骤，请参阅第 45 页

如何检视导出的影像，请参阅第 46 页

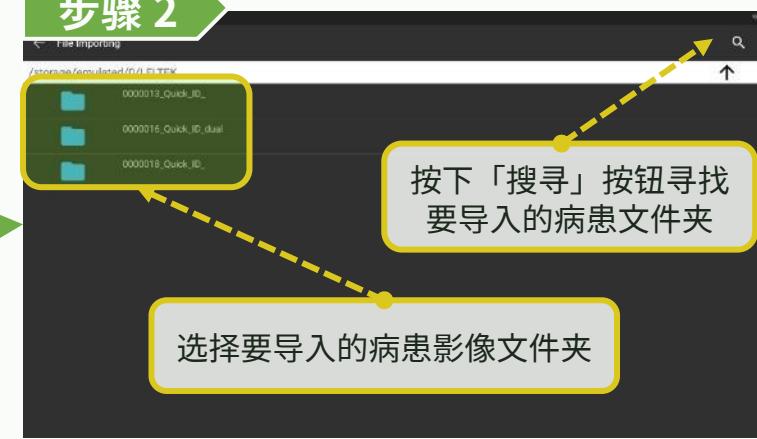
# 双屏幕功能 - 导入过去影像

LELTEK

## 步骤 1



## 步骤 2



## 步骤 3



## 步骤 6



## 步骤 5



## 步骤 4



# 双屏幕功能 - 检视汇出的影像

LELTEK

步骤 1



各智能型装置放置档案的文件夹名称  
有所差异，请参阅装置说明书

步骤 2



步骤 3



步骤 4



「汇出档案」汇出的影像，目前  
无法在双屏幕功能时导入

## 【DICOM 功能】

# DICOM 功能 - 下载 Worklist (1/2)

LELTEK

## 步骤 1



## 步骤 2



## 步骤 3



## 步骤 4



## 步骤 5



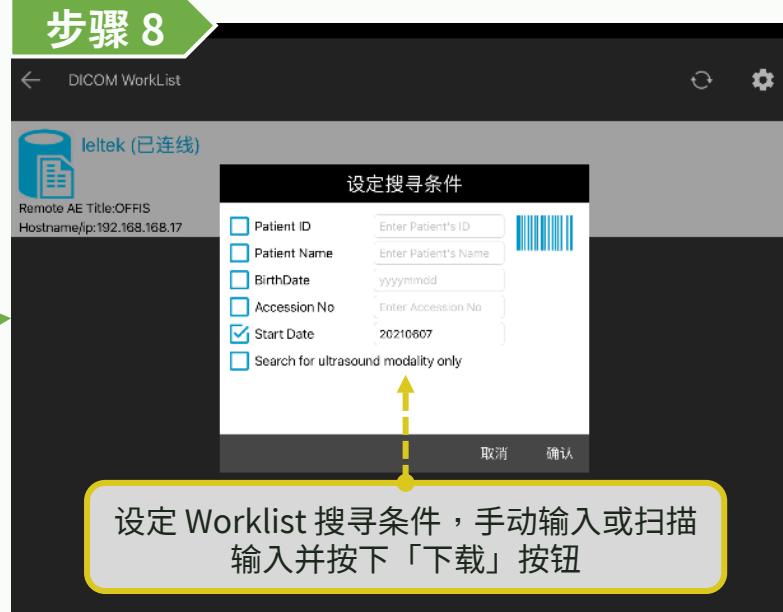
# DICOM 功能 - 下载 Worklist (2/2)

LELTEK

## 步骤 7



## 步骤 8



## 步骤 9



## 步骤 12



## 步骤 11



## 步骤 10

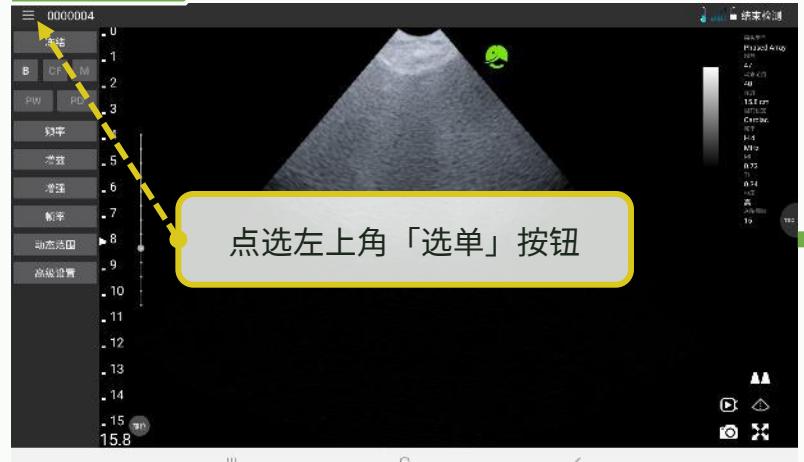


# DICOM 功能 - 录制动态 (Multi-Frame) DICOM

\*Optional function

LELTEK

## 步骤 1



## 步骤 2



## 步骤 3



## 步骤 4



## 步骤 5



# DICOM 功能 - 上传 DICOM 档案 (1/2)

\*Optional function

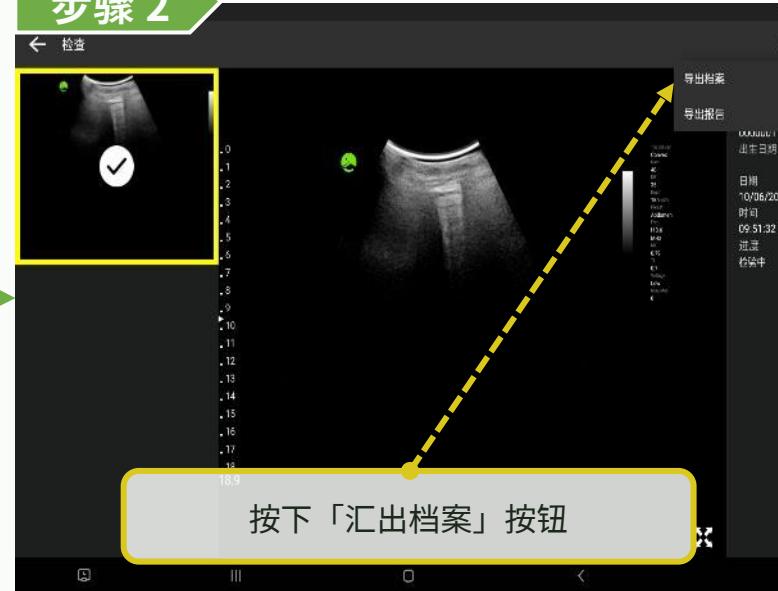
LELTEK

## 步骤 1



在回顾页面按下右上方按钮

## 步骤 2



按下「汇出档案」按钮

## 步骤 3



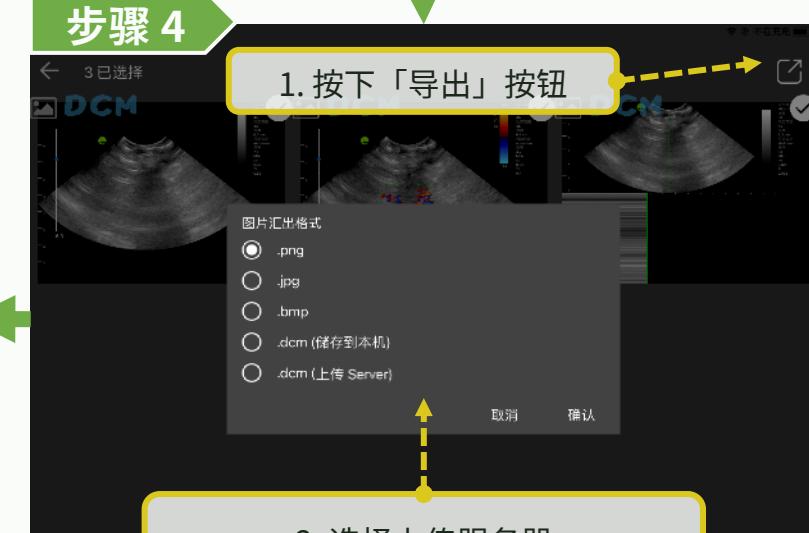
汇出档案汇出影像，可单选，  
复选，全选以及删除

## 步骤 5



上传至服务器前，请与探头中断联机

## 步骤 4



1. 按下「导出」按钮

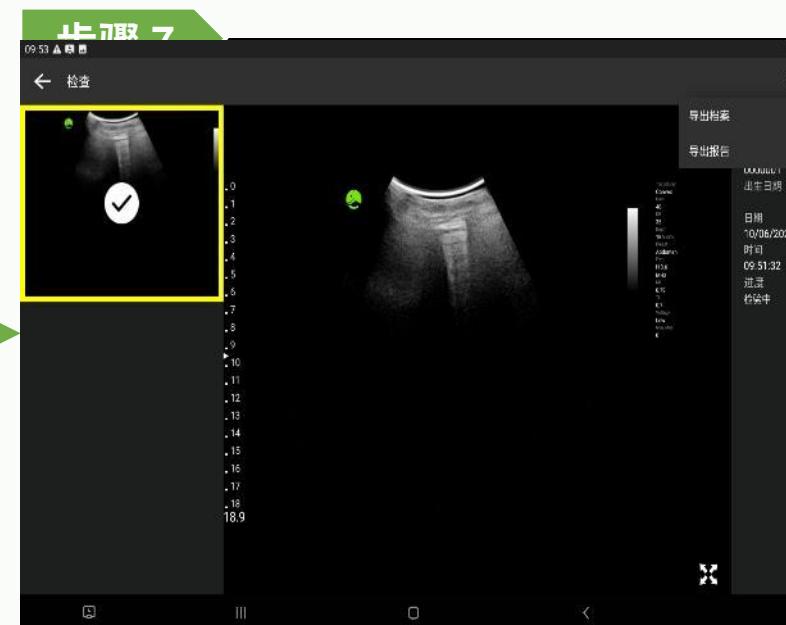
2. 选择上传服务器

# DICOM 功能 - 上传 DICOM 档案 (2/2)

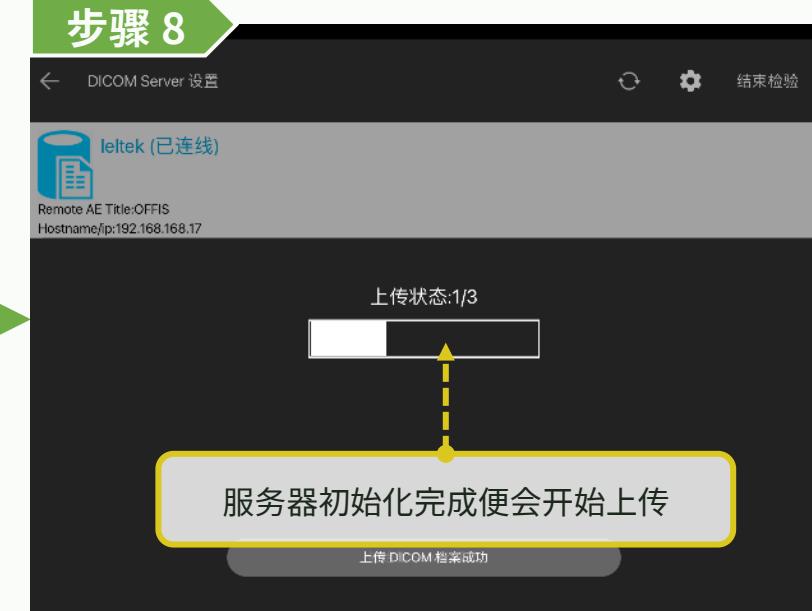
\*Optional function

LELTEK

## 步骤 6



## 步骤 8



## 步骤 9



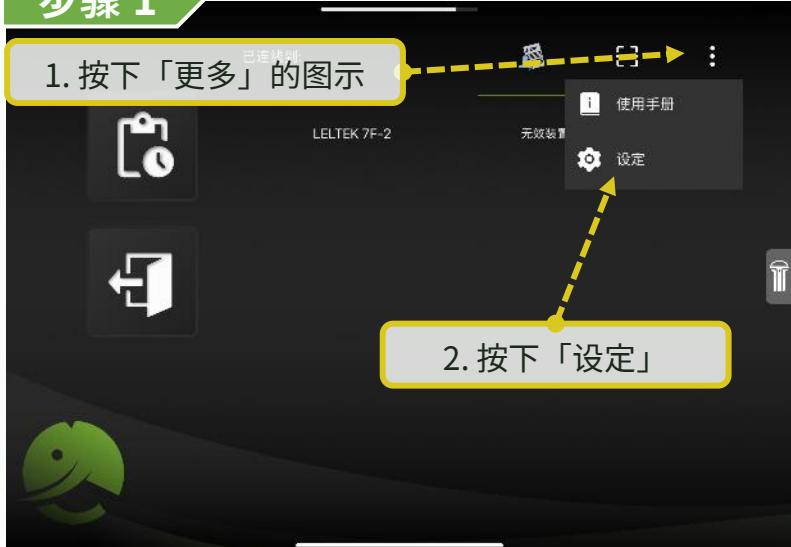
# DICOM 功能 - 快速上传 DICOM 档案

\*Optional function

LELTEK

## 步骤 1

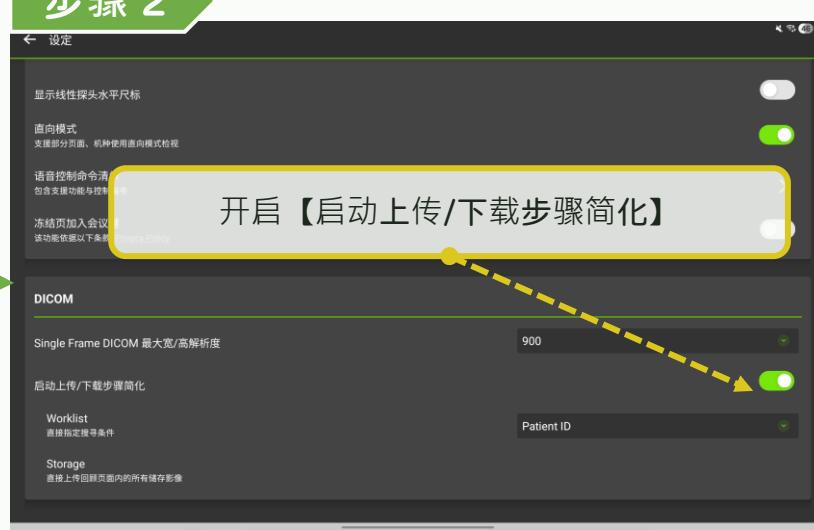
1. 按下「更多」的图示



2. 按下「设定」

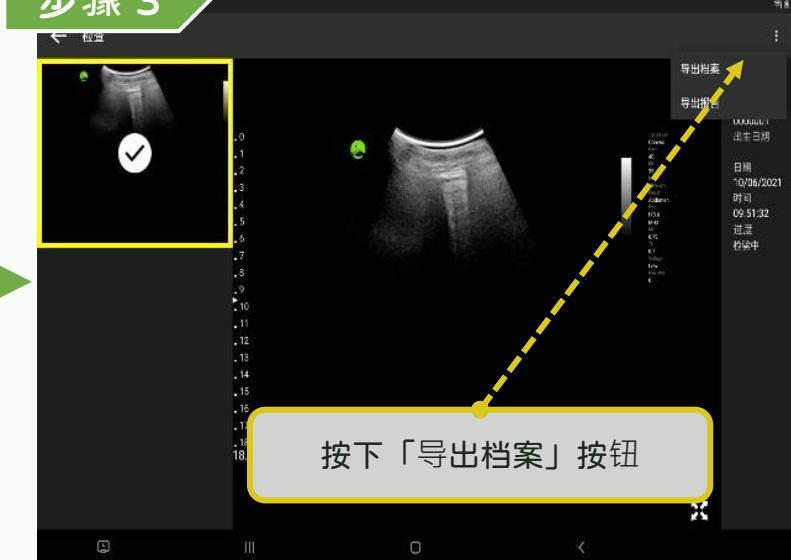
## 步骤 2

开启【启动上传/下载步骤简化】



## 步骤 3

按下「导出档案」按钮



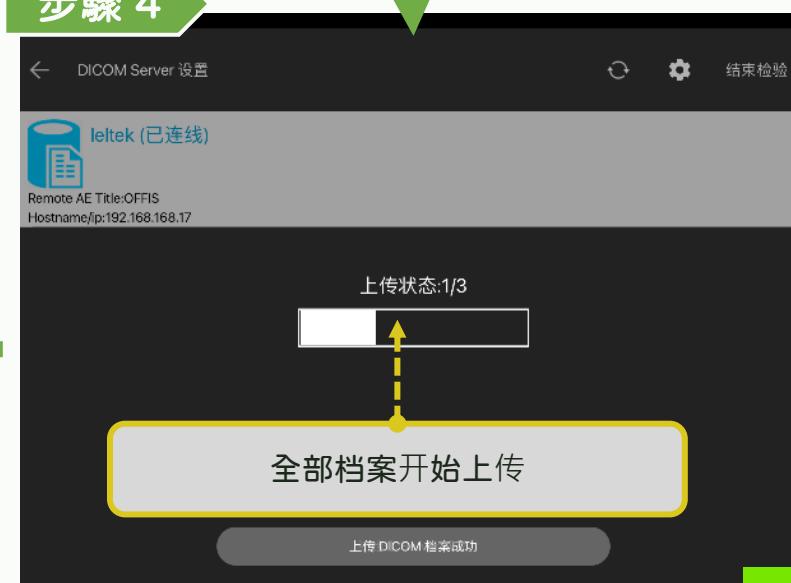
## 步骤 5

上传 DICOM 档案完成



## 步骤 4

全部档案开始上传



【使用 Mac M 系列（M1芯片以上）运行应用程序】

# 使用 Mac M 系列 (M1芯片以上) 运行应用程序

LELTEK

## 步骤 1

1. 按下「更多」的图示



LELTEK 7F-2



无效装置



2. 按下「设定」

## 步骤 2

开启【选择在 MAC M 系列装置上运行 App】

App  
语言  
退出  
选择在 MAC M 系列装置上运行 App

Needle Enhance

针尖增强

DICOM

数据上传/下载简化

繁體中文

英語

简体中文

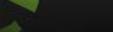
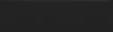
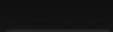
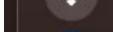
其他语言

## 步骤 3

Wi-Fi

沒有網際網路連線...

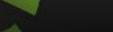
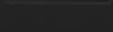
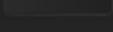
在 Wi-Fi 清單點選要聯機的探頭 SSID  
已知的網路



请联系我们索取密码

## 步骤 4

已连接到:



# 查找到 Mac M 系列（M1芯片以上）上导出的图像

LELTEK

## 步骤 1

### 1. 开启【访达】



2. 进入<username>文件夹

## 步骤 2

### 1. 按 Command + Shift + . 显示隐藏文件



2. 进入【资源库】文件夹

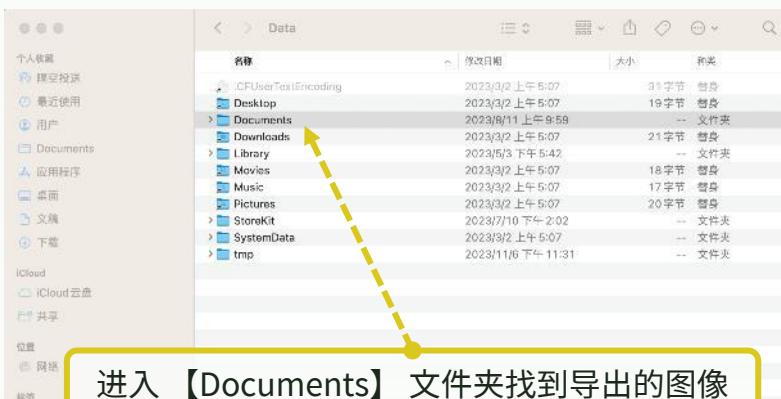
## 步骤 3

### 进入【Containers】文件夹



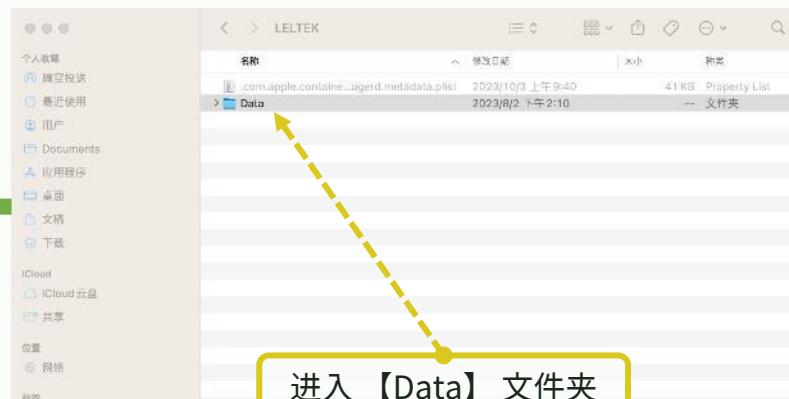
## 步骤 6

## 步骤 5

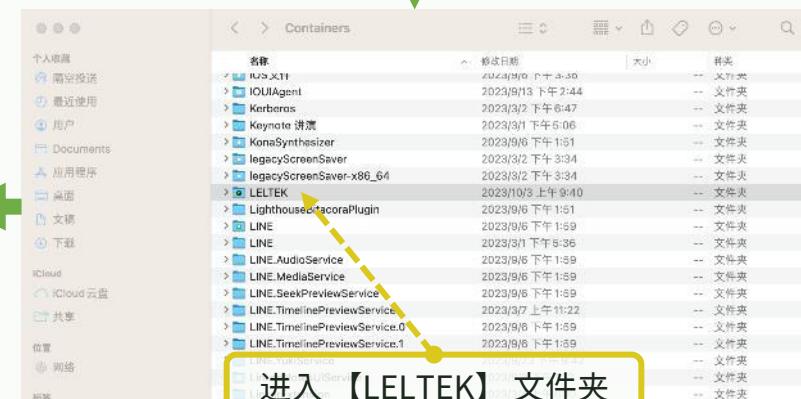


进入【Documents】文件夹找到导出的图像

## 步骤 4



进入【Data】文件夹



进入【LELTEK】文件夹

# Mac M 系列（M1芯片以上）上创建导出图像文件夹的快捷方式 **LELTEK**

步骤 1

1. 开启【访达】



2. 进入<username> 文件夹

步骤 2

1. 按 Command + Shift + . 显示隐藏文件



2. 进入【资源库】文件夹

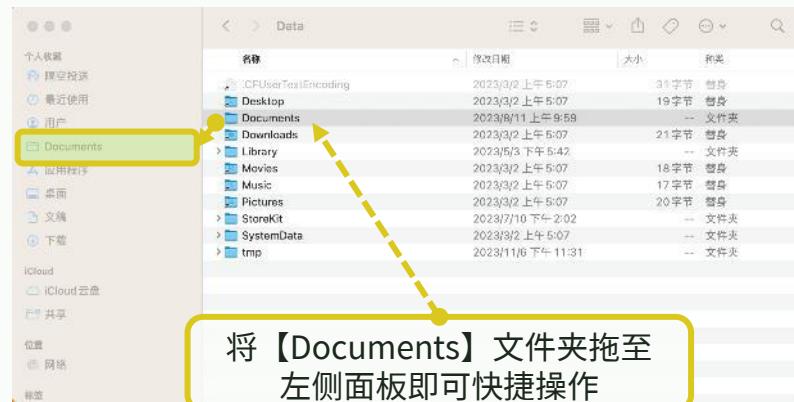
步骤 3

进入【Containers】文件夹



步骤 6

步骤 5



将【Documents】文件夹拖至  
左侧面板即可快捷操作



进入【Data】文件夹

步骤 4

进入【LELTEK】文件夹

