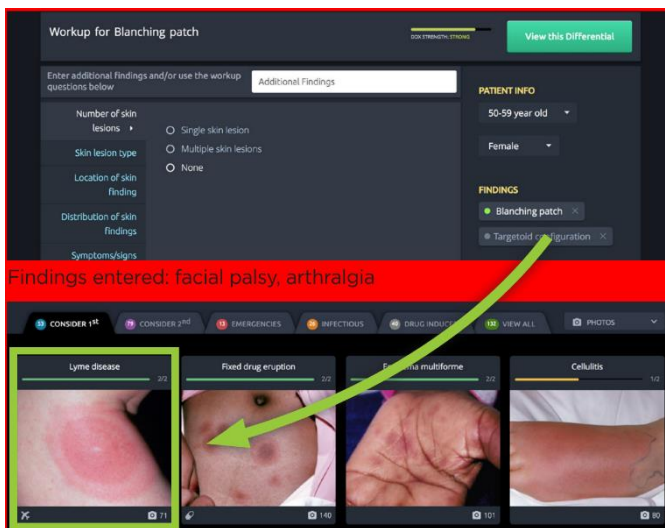


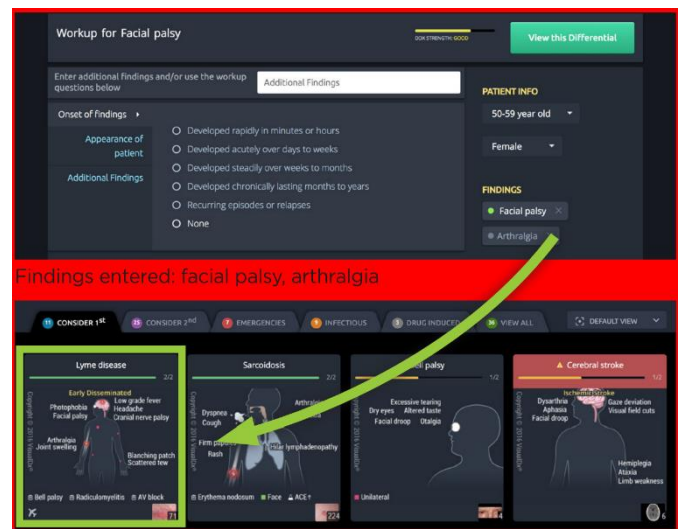
VisualDx 臨床診斷決策支援系統

產品介紹：

VisualDx 臨床診斷決策支援系統是一套獨特的電子資源，目前有超過 100 名各醫學領域專家參與編輯，幫助臨床醫師由使用經驗轉為以模組配對的方式進行鑑別診斷。不同於其他線上資料庫，VisualDx 依年齡、皮膚類型、身體位置和嚴重程度，可快速協助醫事人員針對疾病相關表徵差異進行鑑別，結合頂尖醫師認可的優質圖像及獨特的搜尋引擎，在短時間內提供病患專屬的個人化解答



依照患部特徵進行鑑別診斷



依照病患症狀進行鑑別診斷

產品特色：

- 以標準醫學術語為基礎
- 包含多種形式及變化的清晰醫學圖像
- 豐富的醫學實證資料庫
- 圖像化的搜索程序和界面
- 不斷改善和進化的機器學習系統
- 整合醫學標準術語、醫學影像、醫學實證資料、機器學習
- 提供 APP 工具，提供不限時間、地點的應用經驗

病例：

一名 40 歲女性，既往有高血壓和躁鬱症病史，數小時前開始上腹部劇烈疼痛，放射至背部，伴有噁心和嘔吐。患者否認有任何飲酒或非法藥物濫用史。最近沒有服藥紀錄，也沒有腹部外傷史。2004 年接受了膽囊切除術。體檢時，體溫正常，心跳 105 次/分鐘，血壓 132/84 mmHg。由於疼痛及嚴重的上腹壓痛，處於嚴重的痛苦中，其餘生理檢查均為正常。

A 40-year-old female with a past medical history of hypertension and bipolar disorder presented with a few hours of severe sharp epigastric abdominal pain radiating to the back associated with nausea and vomiting. The patient denied any history of consuming alcohol, or illegal drug abuse. No new medication had recently been started, and there was no history of abdominal trauma. She had had a cholecystectomy in 2004. On physical examination, she was afebrile, had a heart rate of 105 beats/min, and a blood pressure of 132/84 mm Hg. She was in severe distress due to pain with severe epigastric tenderness. The remainder of her physical exam was normal.

理學檢查顯示 WBC 為 $22.1 \times 10^3/\mu\text{L}$ ，中性粒細胞為 87%，血紅素濃度為 14.0 g/dL，血小板為 $380 \times 10^3/\mu\text{L}$ 。除了 2.7 mEq/L 的血鉀濃度外，其他代謝狀況並無異狀。她的懷孕檢查呈陰性，尿液藥物檢查結果正常，血清的澱粉酶為 31 IU/L（正常參考值：20-160），解脂酶為 14 IU/L（正常參考值：8-78）。

Her laboratory tests on admission revealed a WBC of $22.1 \times 10^3/\mu\text{L}$ with neutrophils 87%, a hemoglobin level of 14.0 g/dL, and platelets $380 \times 10^3/\mu\text{L}$. Her comprehensive metabolic panel was unremarkable except for a potassium level of 2.7 mEq/L. She had a negative pregnancy test and a normal urine drug screen. Her serum amylase was 31 IU/L (normal ref: 20–160) and lipase was 14 IU/L (normal ref: 8–78).

CT 掃描顯示胰頭脂肪滯留，符合胰腺炎和十二指腸反應性增厚



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Global & National COVID-19 Resources
 CDC Information
 WHO Information
 European Union Information

VisualDx COVID-19 Resources
 Enhance Telehealth with VisualDx
 Latest VisualDx Content and Images

Additional Resources
 VisualDx: How it Works

主訴 abdominal pain Search texts for "abdominal pain"

Build a differential diagnosis

- abdominal pain
- diffuse abdominal pain
- periumbilical pain (abdominal pain around the navel)
- lower abdominal pain
- upper abdominal pain
- suprapubic pain (abdominal pain above pubic area)
- rebound tenderness (abdominal rebound pain)

Diagnoses

- drug-induced abdominal pain

visualDx. Patient Findings Return to Ovid | Sign Out of Ovid

Workup for Epigastric pain View this Differential

Enter additional findings and/or use the workup questions below

病人資訊

PATIENT INFO

40-49 year old Female

FINDINGS

- Epigastric pain
- Right upper quadrant pain
- Nausea
- Vomiting
- Left upper quadrant pain

Toggle the ● to make the finding **required**

腹痛之副型

- Epigastric pain
- Right upper quadrant pain
- Right lower quadrant pain
- Left upper quadrant pain
- Left lower quadrant pain
- Periumbilical pain

Workup for Epigastric pain View this Differential

Enter additional findings and/or use the workup questions below

其他診察發現

Digestive/abdominal · Nausea

PATIENT INFO

40-49 year old Female

FINDINGS

- Epigastric pain
- Right upper quadrant pain
- Left upper quadrant pain

Toggle the ● to make the finding **required**

- Epigastric pain
- Right upper quadrant pain
- Left upper quadrant pain
- Left lower quadrant pain
- Periumbilical pain

visualDx / Patient Findings

Workup for Epigastric pain

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View this Differential

Enter additional findings and/or use the workup questions below

Additional Findings

Abdominal pain subtypes

- GI Symptoms
 - Abdominal pain
 - Epigastric pain
- Physical GI Signs
 - Right upper quadrant pain
 - Right lower quadrant pain
 - Left upper quadrant pain
 - Left lower quadrant pain
 - Periumbilical pain
- Onset of findings
- Appearance of patient
- Other associated symptoms
- Lab findings
- Social history
- Medical history
- Travel history

PATIENT INFO

40-49 year old Female

FINDINGS

- Epigastric pain
- Right upper quadrant pain
- Nausea
- Vomiting
- Left upper quadrant pain

Toggle the to make the finding required

目前之診察發現

visualDx / Patient Findings / Differential Diagnosis

Differential Diagnosis

Epigastric pain, Right upper quadrant pain, Nausea, Vomiting, Left upper

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25 CONSIDER 1st 35 CONSIDER 2nd 22 EMERGENCIES 13 INFECTIOUS 25 DRUG INDUCED 60 VIEW ALL

All Skin Types Skin of Color Edit Findings DEFAULT VIEW

Small bowel obstruction

Acute pancreatitis

Afferent loop syndrome

Omental torsion

Hypertrophic pyloric stenosis

Bowel perforation

Acute coronary syndrome

Anaphylaxis

Intussusception

Gallbladder torsion

應該首先排除之疾病

visualDx / Patient Findings / Differential Diagnosis / Acute pancreatitis

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Contents

- Synopsis
- Codes
- Look For
- Diagnostic Pearls
- Differential Diagnosis & Pitfalls
- Best Tests
- Management Pearls
- Therapy
- Drug Reaction Data
- References

Information for Patients

View all Images (9)

Other Resources

- UpToDate
- PubMed

Best Tests

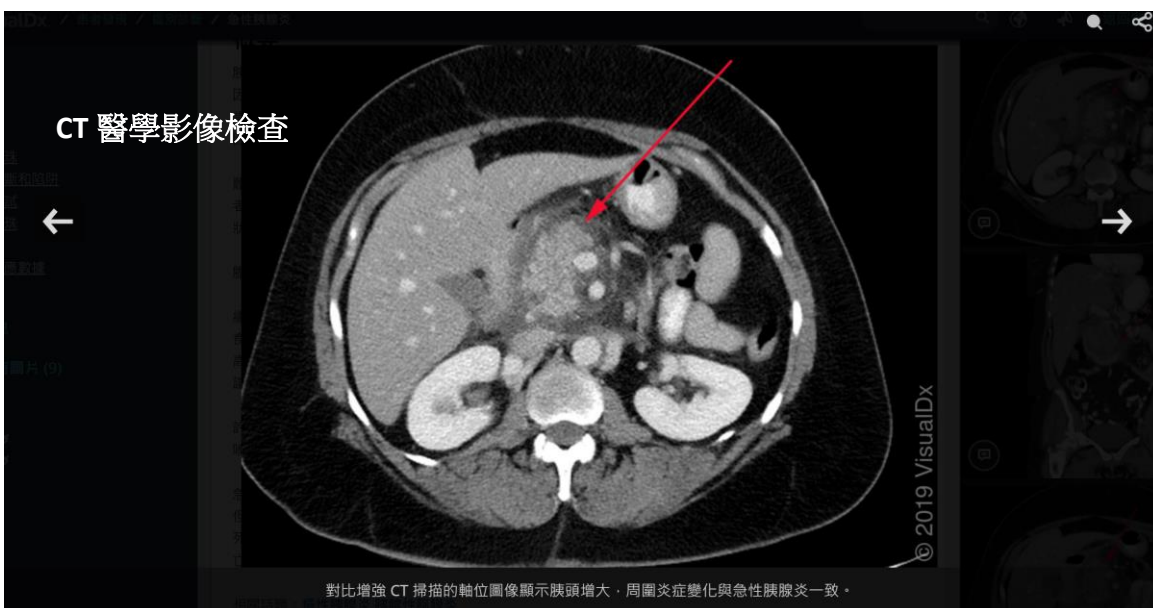
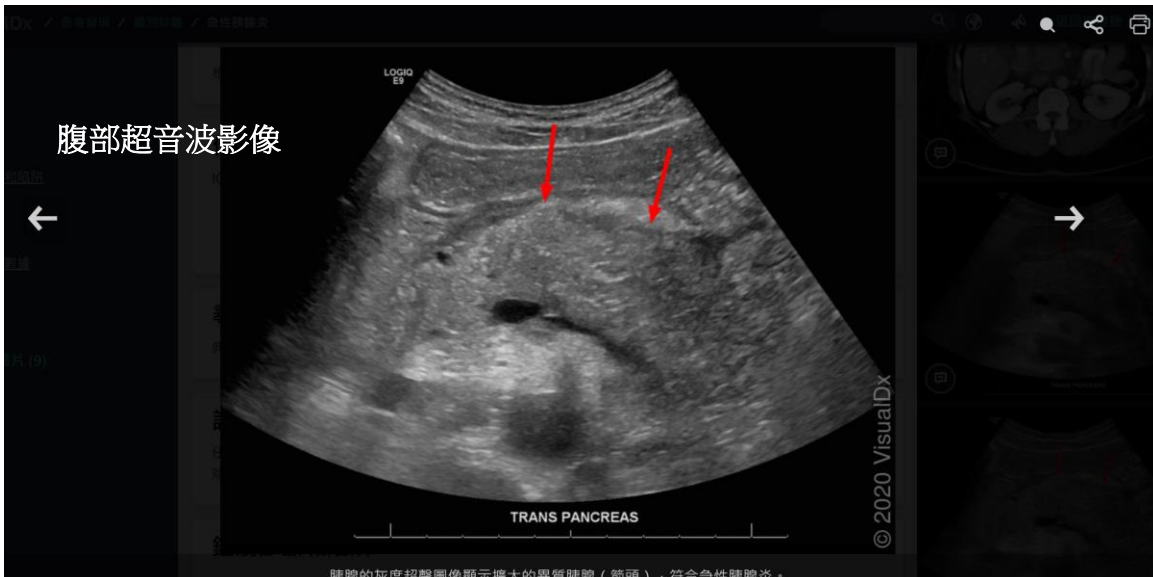
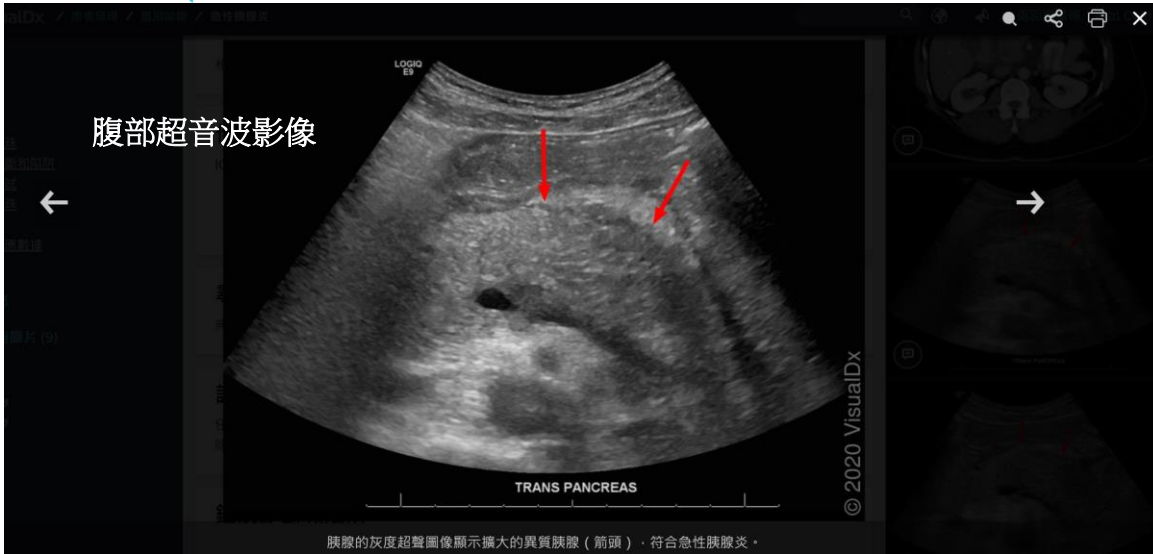
Labs: 相關建議之理學檢查

- Lipase or amylase (less specific) greater than 3 times the upper limit of normal
- Basic metabolic panel should be checked to evaluate for renal injury
- Liver function tests should be checked to help determine if there is biliary obstruction
- Triglycerides and calcium should be checked as potential underlying etiologies

Imaging: 腹部超音波及 CT 醫學影像檢查

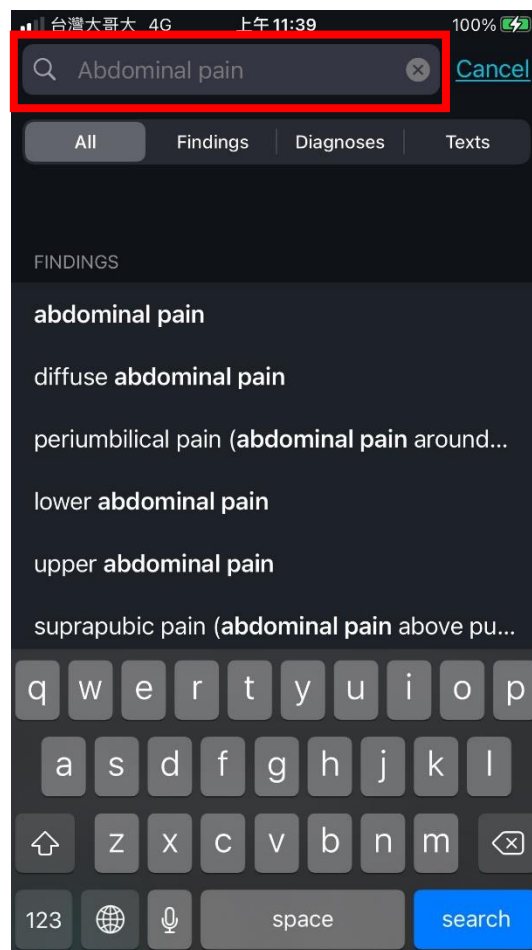
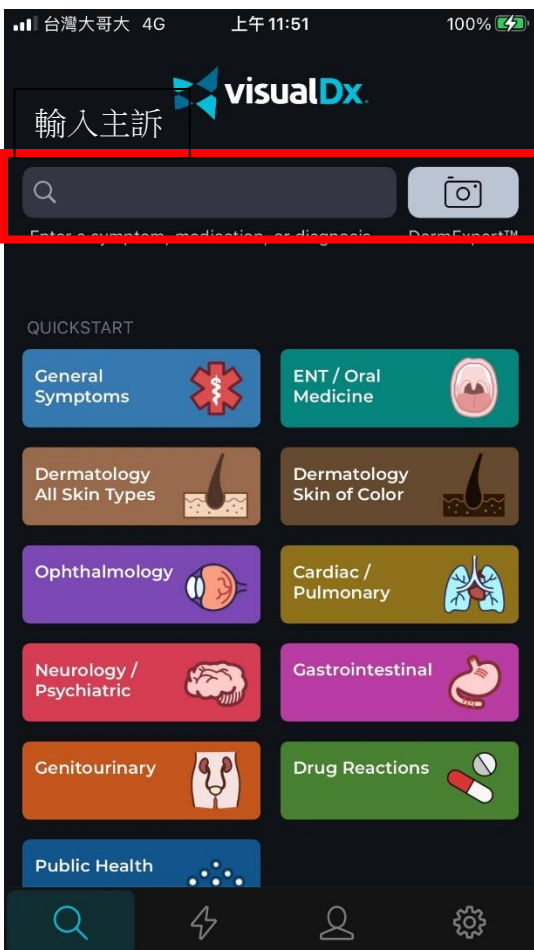
- Abdominal ultrasound: to evaluate pancreas architecture and for gallstones, the most common etiology in the United States
- CT of abdomen / pelvis: at 48 hours to evaluate for necrotizing pancreatitis. Will also reveal evidence of acute inflammation around the pancreas.
- MRI and magnetic resonance cholangiopancreatography (MRCP): useful in patients who cannot receive contrast, and MRCP is useful for diagnosing choledocholithiasis if gallstones are suspected but not confirmed on ultrasound or CT as the etiology of pancreatitis

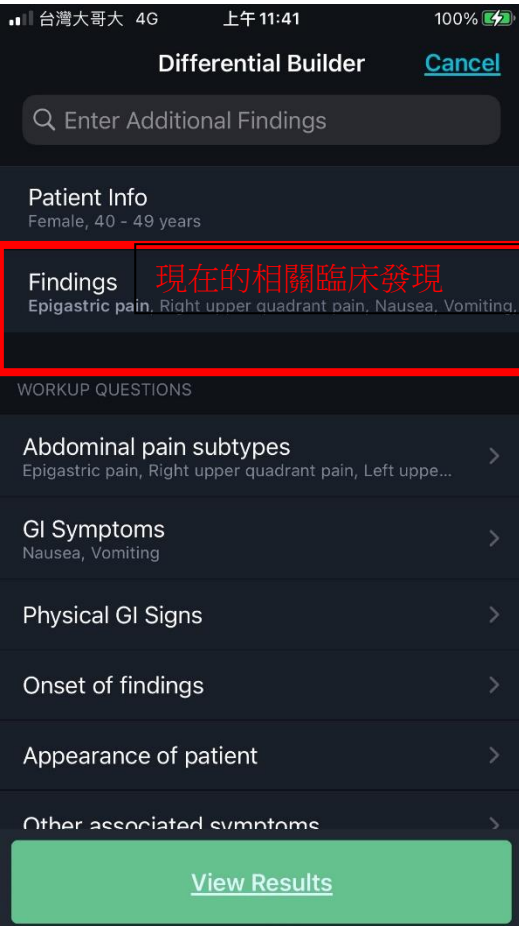
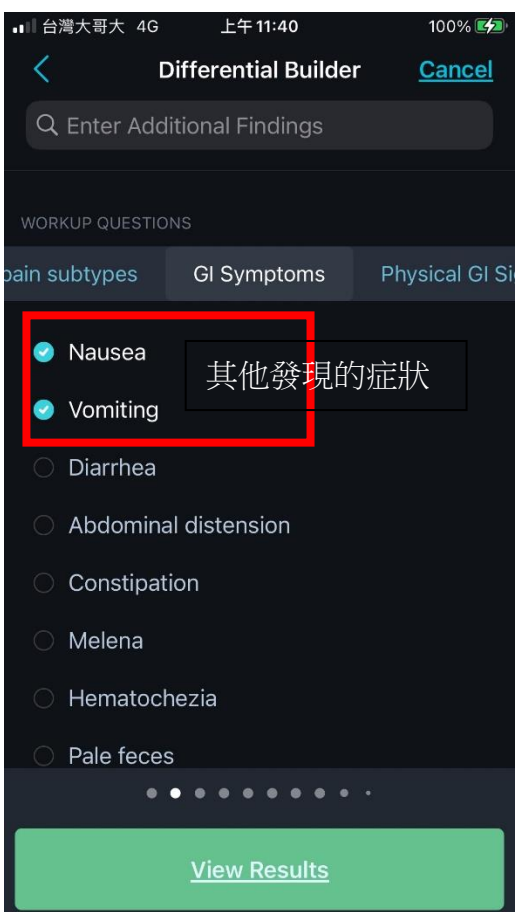
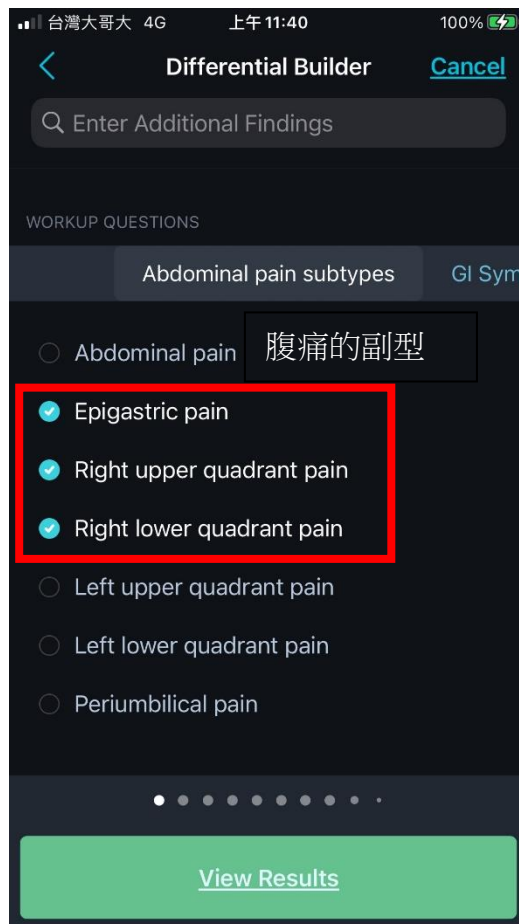
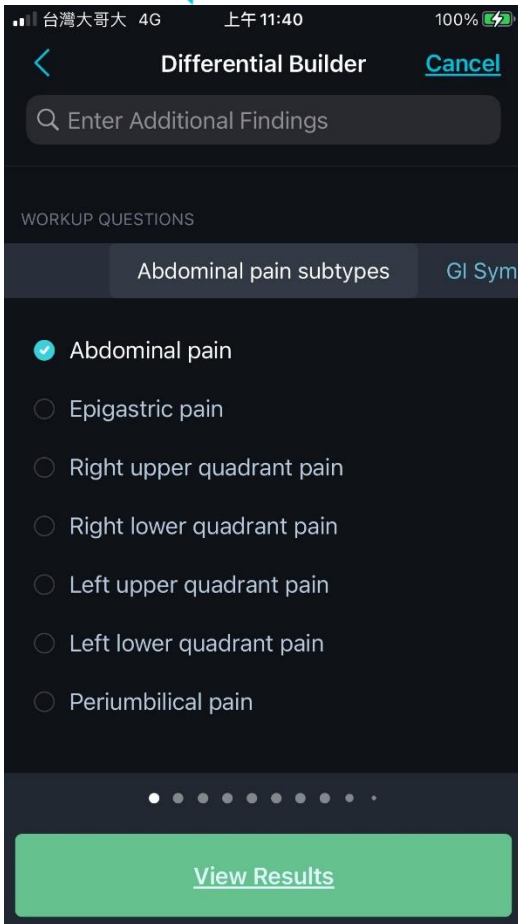
Management Pearls

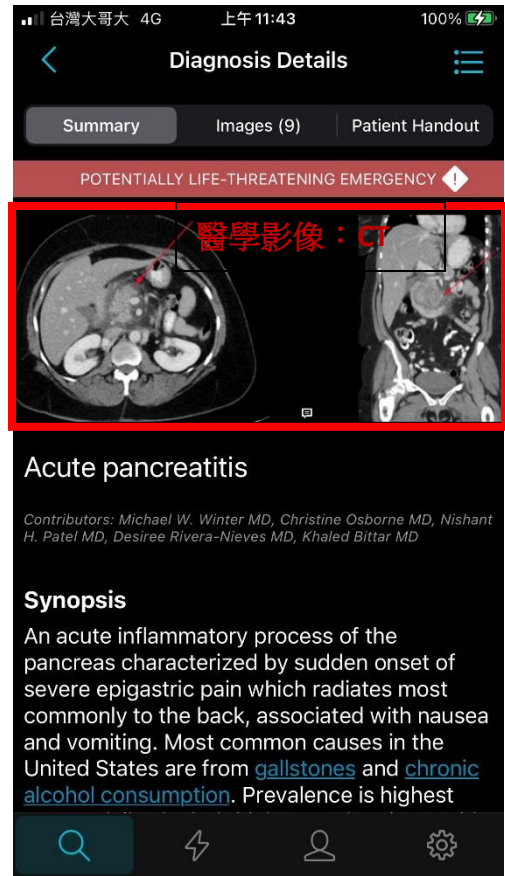
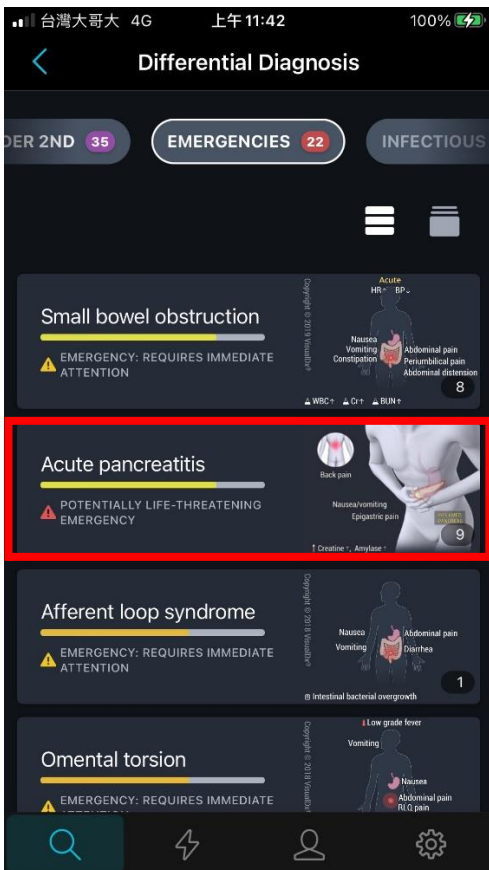
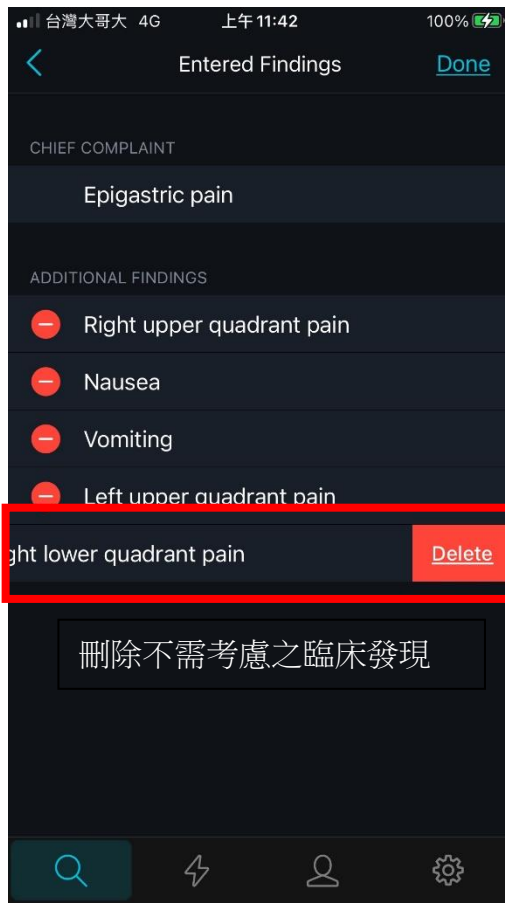
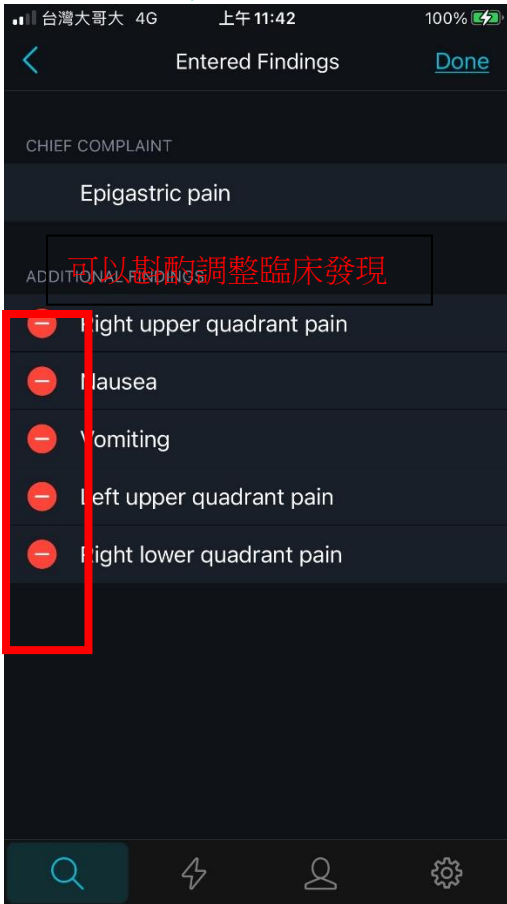


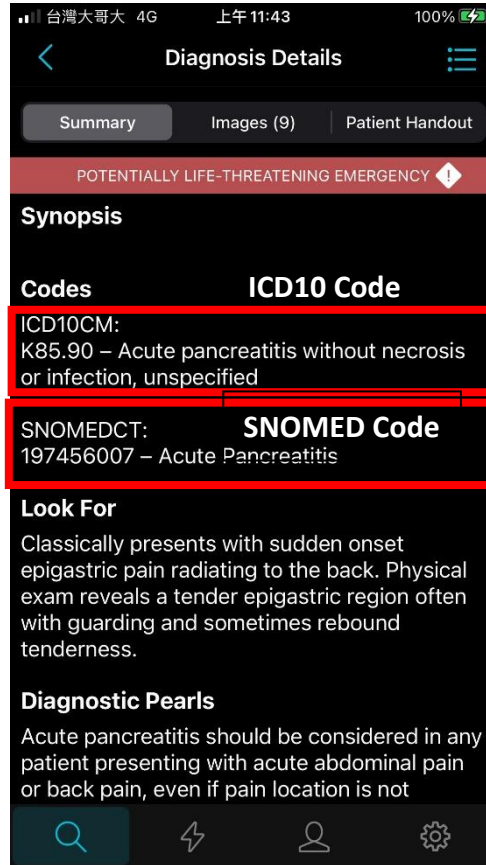
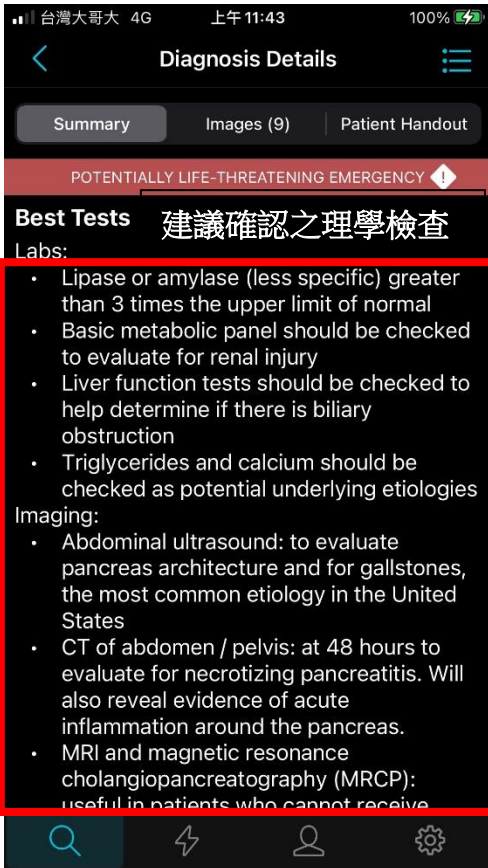


VisualDX APP 版









DermExpert 模組：

VisualDx 彙整了清晰的皮膚病癥醫學影像圖庫、結合深厚的知識庫及機器學習機制，以協助提供全科醫生皮膚表徵識別。該系統使用人工智慧及機器學習來分析相關病癥以協助疾病之初步鑑別，然後以簡潔的對話介面，協助醫療人員快速進行鑑別診斷。

我們關心患者隱私，因此我們符合 DermExpert HIPAA 規則。使用 DermExpert 為患者拍照並不會將傳輸圖像保存到設備中。

