A Member of
SRAMEK

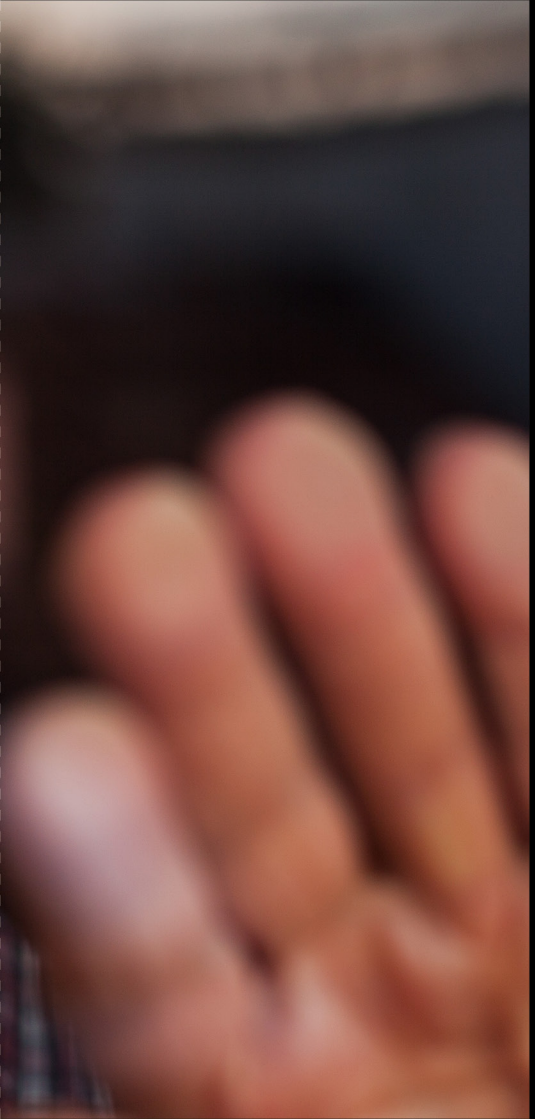
無創進階心臟全功能檢測
Noninvasive Cardiovascular Screening

高血壓、冠心病、心臟衰竭等心血管疾病的早期篩查
Early detection of stroke, heart failure and hypertension management

加心康
CARDIAX
LAB

Smart Heart Care.


Cardiovascular diseases are the number 1 cause of death globally, taking an estimated 17.9 million lives each year.
全球頭號殺手 # 全球每年有超過 1700 萬人死於心血管疾病。



Covid-19 is ongoing...
新冠肺炎席捲全球 ...

A study done in Italy shows,
意大利報道顯示,

76.1% of patients who died from COVID-19 had **hypertension,** or **high blood pressure**.
因新冠肺炎死亡的患者患有**高血壓**。

1/3 of COVID-19 patients who died had **heart disease**.
因新冠肺炎死亡的患者患有**心臟病**。

1/4 of people who died from the coronavirus in Italy had **atrial fibrillation**.
因新冠肺炎死亡的患者患有**心房顫動**。

9.6% of COVID-19 patients who died in Italy previously had a **stroke**.
因新冠肺炎死亡的患者曾有**中風病史**。

Any kind of cardiovascular condition can leave a patient more susceptible to severe disease from the virus.
任何一種心血管疾病都可能使感染患者加重病情。

Source: https://www.businessinsider.com/hypertension-diabetes-conditions-that-make-coronavirus-more-deadly-2020-3


Now more than ever,
We need a powerful heart to face the adversity
此時此刻，
我們更需要一顆健康強大的心臟去面對挑戰
American
Heart
Association.
Premium Member

WE'LL GO THE DISTANCE TO PROVE OUR POINT.

A BEAT AHEAD OF ITS TIME.

NASA can't afford a wide margin of error when monitoring astronauts' heart performance. Nor can NASA afford an invasive system to monitor astronauts while they're floating in space. That's why NASA chose BoMed to develop its noninvasive cardiac system for evaluating ventricular parameters.

EASY AS PLACING ECG ELECTRODES.

NCCOM3 is the ultimate in user-friendly operation. Eight electrodes provide instant, continuous noninvasive interface between the patient and NCCOM3. Electrodes can be easily placed on the patient's neck and thorax to match specific needs and procedures. From the moment of electrode placement, NCCOM3 operates in a totally hands-off mode. You need never touch the patient again. And adjustments are never needed.

NCCOM3? Perfect for NASA.

HOW DOES NCCOM3 WORK?

NCCOM3 operates on the principle of electrical bioimpedance. Blood is the most electrically conductive substance in the body. The thorax acts as a transducer. Changes in the electrical conductivity in the thorax are translated into blood flow data. The variations in blood volume and velocity in the descending thoracic aorta are the major sources of impedance changes.

BoMed and the NCCOM3 system of noninvasive cardiac output monitoring represent not only the state-of-the-art of medical instrumentation, but the future as well.

Physicians will continue to dream of new and better ways to learn more about their patients to facilitate diagnoses and treatment. And BoMed will continue to develop the instrumentation to bring those dreams to reality.

In the very real world of the present and future, cost will also be a consideration.

Instrumentation must be justified not only medically, but also financially. BoMed recognizes that reality. NCCOM3, the epitome of cost-containment, provides continuous monitoring for a cost of only about four dollars per patient per day. Compare that with the expenditures of invasive monitoring, measured in hundreds if not thousands of dollars.

NCCOM3 reflects the computer age by providing a computer-assisted measurement of cardiac output noninvasively. BoMed's founder and Chief Executive Officer, Bo Sramek, has received international recognition for his designs related to both the computer and medical industries. BoMed's scientific team continues to explore ways and means of extending the technology of computers to their logical applications in medicine. In that spirit, BoMed is certain to become a major factor in medical progress both today and tomorrow.

NASA

The HOTMAN™ System used by Cardiax Lab is endowed with TEBCO* and NCCOM3*. These technologies have been used by NASA to measure astronauts' heart performance during space missions since 1983.

HOTMAN™ 系統運用 TEBCO* 及 NCCOM3*。
自 1983 年起，美國太空總署一直使用此技術測量航空員在太空任務中的心臟表現。

TEBCO* : Thoracic Electrical Bioimpedance Cardiac Output 胸腔表面電生物阻抗心輸出量
NCCOM3*: Noninvasive Continuous Cardiac Output Monitor 無創連續心輸出量監測儀

Certified by 認證 FDA CE TÜV

US Patents:
5,503,157
5,529.072

Prevention is better than cure.

Take care of your health in an innovative way.

Our advanced noninvasive cardiovascular screening evaluates your:

- **Heart performance:** the amount of blood pumping out from the heart
- **Vascular resistance:** the resistance in your circulation system and the risk of stroke
- **Contractility:** the contractility of your cardiac muscles and the risk of heart failure
- **Basic:** mean arterial pressure and basic data
- **Hemodynamic:** the balance of your circulation system and underlying causes of hypertension.

預防勝於治療

用科技關懷健康：無創進階心臟全功能檢測
完整檢測報告包含：

- **心臟功能參數：**顯示心臟泵血功能；
- **血管阻力指數：**評估中風風險；
- **心肌收縮力參數：**顯示心臟肌肉及射血功能，評估心臟衰竭風險；
- **常規血壓及平均動脈壓數據；**
- **獨家血流動力學參數：**顯示血流循環系統平衡，高血壓潛在成因。

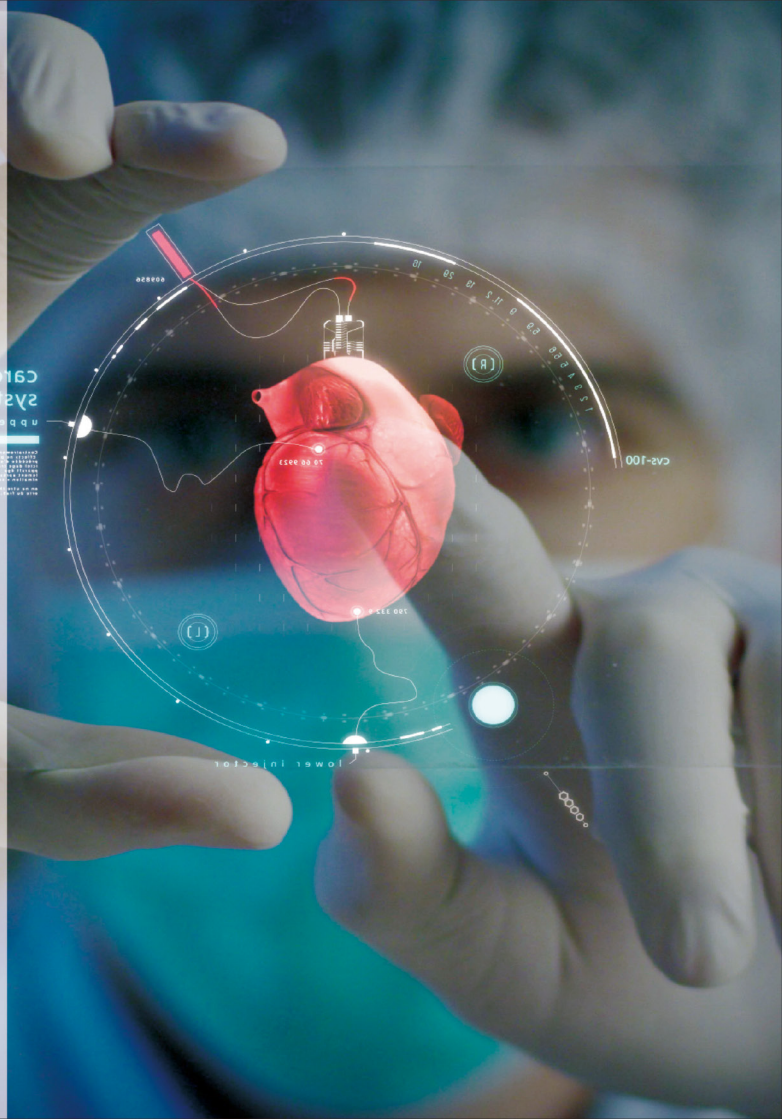
HOTMAN™ System

Why Us?

- **Patented technology:** TEBCO and NCCOM3 technologies used by NASA since 1983
- **Reliable:** certified by FDA, CE, TUV
- **Painless:** no blood draw, no perfusion, no radiation
- **Quick and easy:** screening process takes only 15 minutes and get your results immediately
- **Preventive:** early detection of stroke, heart failure and hypertension
- **Smart AI technology:** reveal the underlying causes of hypertension and evaluate the effects of your drugs for better hypertension management

為什麼選擇我們?

- **專利技術：**TEBCO, NCCOM3 專利技術，美國太空總署 NASA 自 1983 沿用至今
- **安全可靠：**獲取國際 FDA, CE, TUV 認證
- **無痛檢測：**無需抽血，無需灌注，亦無需放射性檢測
- **簡便快捷：**檢測過程只需 15 分鐘即可獲 PDF 報告
- **早期篩查：**預防及發現早期心臟衰竭、中風等心血管疾病風險
- **智能管理：**揭示高血壓成因，評估藥物實際效果，智能醫療路徑協助高血壓管理



Pre-screening intructions

The screening is NOT SUITABLE for individuals under 18 or patients with a pacemaker implant.

If you are experiencing strong emotions, flu, cold, fever or other illnesses, please postpone the screening.

Please reduce your physical activities 2 hours before screening, and DO NOT consume alcohol, coffee, tea, dark chocolate, cocoa, and drugs. This may affect the results of your test.

檢查前注意事項

此項檢查不適合18 歲以下及體內植入心臟起博器之人士。

如您處於情緒波動或不穩、身體不適，如患流感、傷風或發燒等，我們建議您延遲檢查。

在檢查前2小時內，請減少體育活動，及嚴禁飲用酒精、咖啡、茶、朱古力、或含咖啡因飲品和食品及服用任何藥物，以免影響檢查結果。

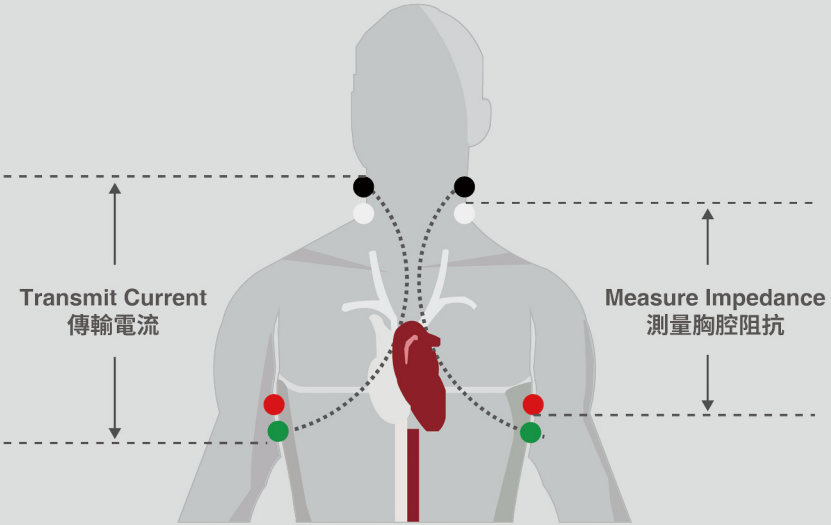
The Checkup
心血管檢測

心血管篩查

檢查之前， 需要測量身高和體重。

操作人員放置並固定好 8 個電極片後 (胸部和頸部兩側各 4 個)， 我們將用外部儀器 (血壓儀) 測量您的血壓以做參考。

請您平躺並放鬆，平緩呼吸，HOTMAN™ System 將在 10-15 分鐘的運行時間內收集您的心血管數據。



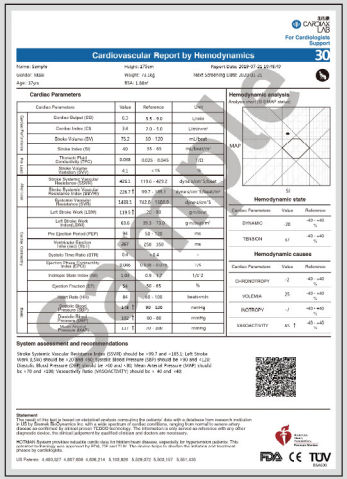
The checkup

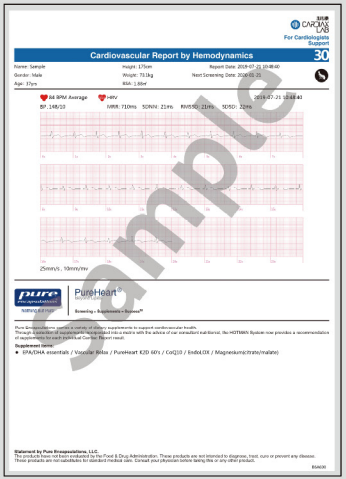
Before screening, you will be weighed and measured.

Once the operator has positioned 8 electrode pads on your body (4 on each side of your chest and neck), we will measure your blood pressure with an external monitor for reference.

Now lay back, relax and breathe as the HOTMAN™ System collects your cardiovascular data for 10-15 minutes.

Full-Report Sample (30 Parameters)
完整報告（30 項參數）





掃描報告中的二維碼，輸入您的生日 (YYYYMMDD) 獲取您的電子報告。

Scan the QR code and enter your birthday (YYYYMMDD) to get your digital report.

Cardiac Output (CO) 心輸出量
Cardiac Index (CI) 心臟指數
Stroke Volume (SV) 心博量
Stroke Index (SI) 心博指數
Thoracic Fluid Conductivity (TFC) 胸液傳導性
Stroke Volume Variation (SVV) 每博變異率
Stroke Systemic Vascular Resistance (SSVR) 每博外周阻力
Stroke Systemic Vascular Resistance Index (SSVRI) 每博外周阻力指數
Systemic Vascular Resistance (SVR) 系統阻力
Total Peripheral Resistance (TPR) 總周邊阻抗
Total Peripheral Resistance Index (TPRI) 總周邊阻抗指數
Left Stroke Work (LSW) 左心室每博做功
Left Stroke Work Index (LSWI) 左心室每博做功指數
Pre Ejection Period (ms) (PEP) 射血前期
Ventricular Ejection Time (sec) (VET) 心室射血時間 (秒)
Systolic Time Ratio (STR) 收縮時間
Ejection Phase Contractility Index (EPCI) 射血相收縮指數
Inotropic State Index (ISI) 變力狀態指數
Ejection Fraction (EF) 射血分數
Heart Rate (HR) 心率
Systolic Blood Pressure (SBP) 收縮壓
Diastolic Blood Pressure (DBP) 舒張壓
Mean Arterial Pressure (MAP) 平均壓
MAP/ SI Hexagonal Graph 治療趨勢分析圖
Dynamic 血流動力學異常
Tension 血壓異常
Chronotropy 心率變率性
Volemia 血管容積
Inotropy 收縮變力性

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Our Location
檢測中心地址

Unit 701, Shun Kwong Commercial Building, No. 8 Des Voeux Road West, Sheung Wan, Hong Kong香港上環德輔道西8號信光商業大廈701室
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九龍佐敦彌敦道241-243號香港體檢中心11樓

By Appointment **預約電話：** + 852 2488 8168

Office Hours **營業時間：**

Monday to Friday 星期一至星期五	09:00 - 18:00
Saturday 星期六	09:00 - 15:00