

Cocaine, alcohol & the heart

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From fresh Coca Leaves and the Purest Wine.

Recommended for
**NEURALGIA, SLEEPLESSNESS,
DESPONDENCY, ETC.**

For Fatigue of mind or body.
**METCALF'S
Coca Wine**

A Pleasant Tonic and
Invigorator.

Coca Leaves have been recommended by Hippocrates as valuable in **Febrile Disorders**, by restraining nervous excitement, and for the same reason in **Phthisis**.

With decided anæmia and anæsthetic condition, they have been employed in **Typhus, Scorbutus, Gastralgia, Anæmia, Lætalgia**, and to assist digestion.

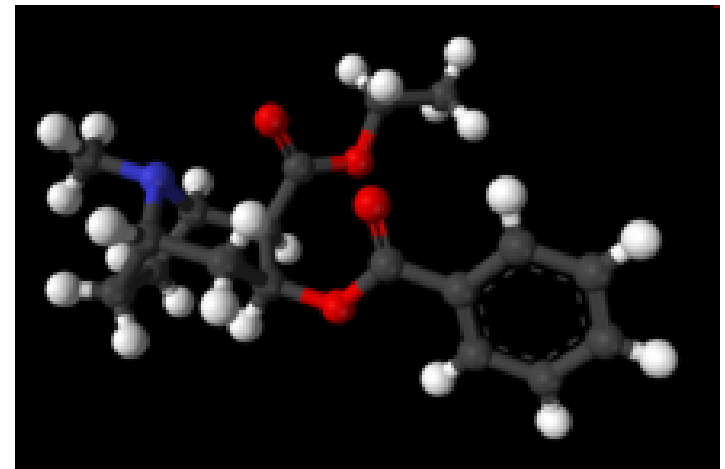
Wine of Coca is probably the most valuable **Tonic** in the Materia Medica. With stimulating and anæsthetic properties combined, it acts satisfactorily.

As a "**Voice Tonic**," to Public Speakers and Singers it will be found indispensable, being a "source" of the vocal chords, thereby greatly strengthening and increasing the volume of voice.

Dose of Wine of Coca—One wineglassful three times daily, between meals.

Preferable sample bottles by express, postpaid, upon receipt of **One Dollar**.

Theodore Metcalf. **ESTABLISHED 1837**, Frank A. Davidson,
THEODORE METCALF & CO.,
39 Tremont Street, **BOSTON, MASS.**



Case Example

- Patient RC
- 28 yrs old
- Usually fit and well
- Cycles 10 miles + per week
- No past medical history

- 6 month history of increasing shortness of breath
- Noticed ankle swelling and feeling of fullness in abdomen; can't lie flat without getting short of breath
- Lives with mother – she forces him to A&E

Echo'



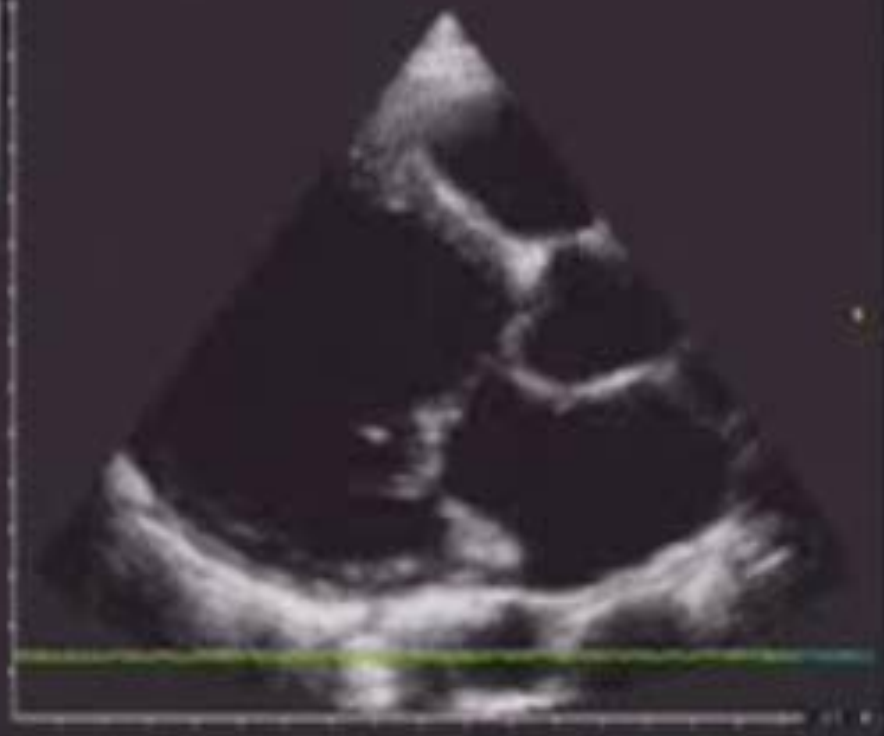
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CHESNAK SWH 50 N

07/04/2001 08:00:00

TEI (L)
R 15.00
P11 0.0
PR 4.7



48



- Faced with potential heart transplant, therefore discussed 'high risk' causes of condition that would be screened:
 - Drugs
 - HIV/AIDS
 - Iron overload
 - Pheochromocytoma

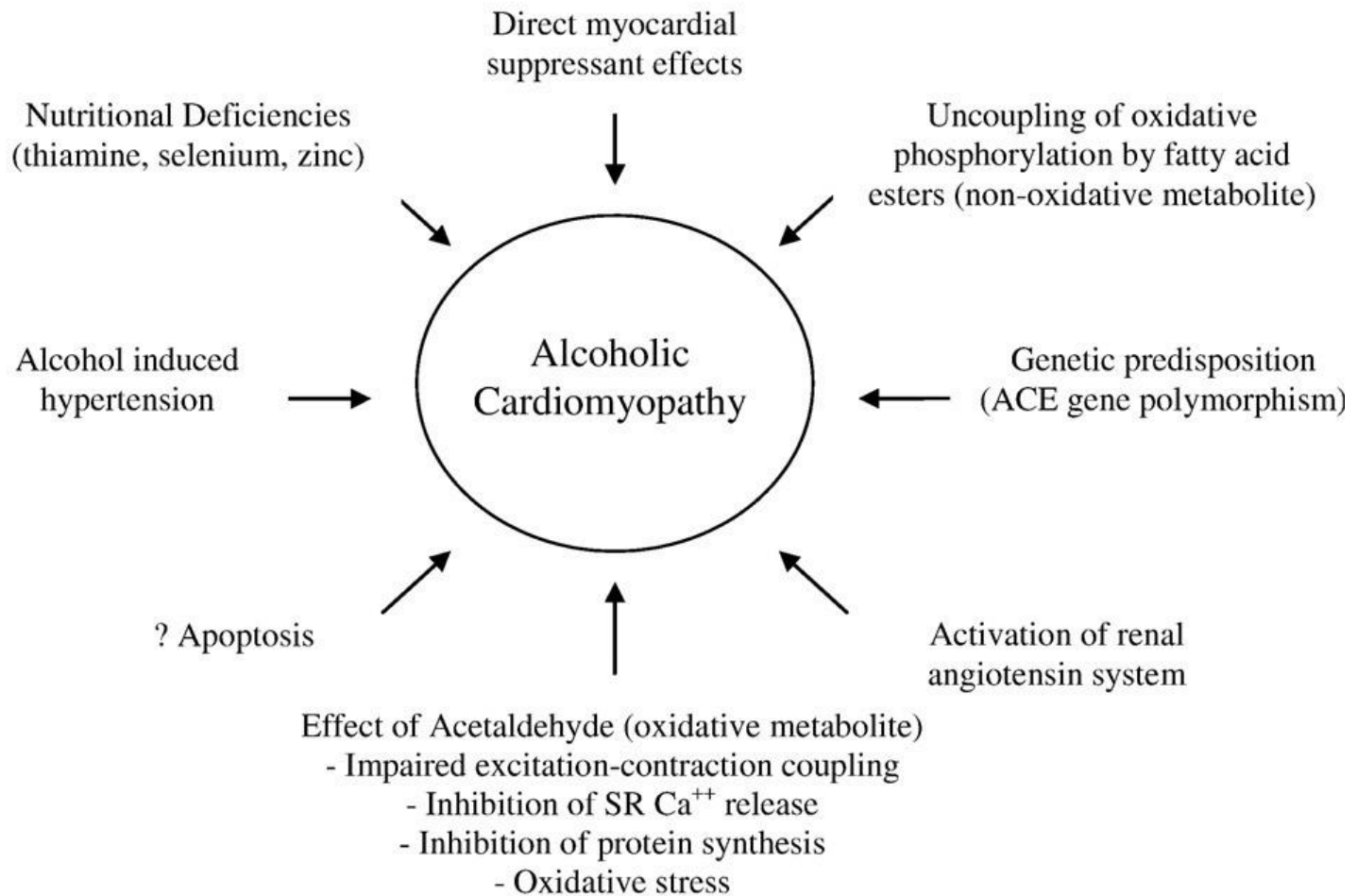
- Patient then sought a private consultation away from ward
- Admitted to using several grams of cocaine every weekend with alcohol

Cocaine & alcohol

- Cocaine & alcohol concurrent use is common
 - Social
 - Prolonged euphoria
 - Reduction in “crash”
- Mediated via cocaethylene, a longer-acting metabolite

Alcohol & the heart

- Dilatation and reduced function described, but only in heavy drinkers...
- ...often in conjunction with Atrial Fibrillation (an irregular, fast heart rhythm disorder) – *Holiday-heart syndrome*



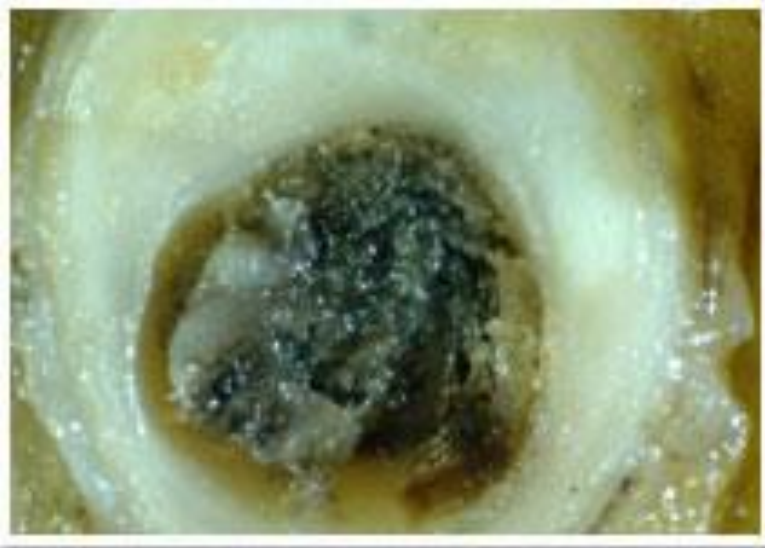
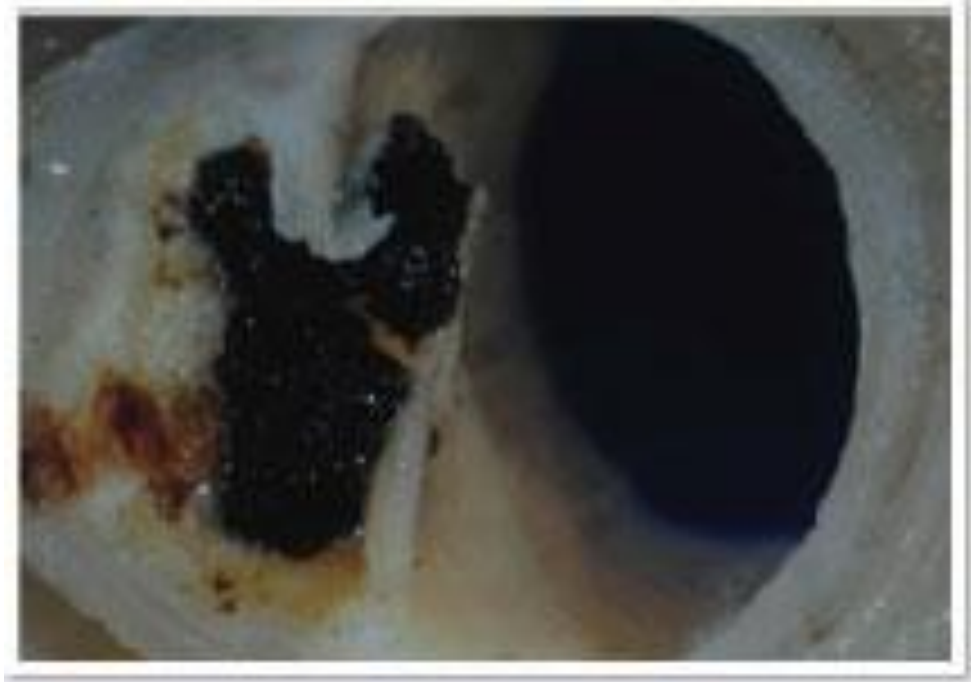
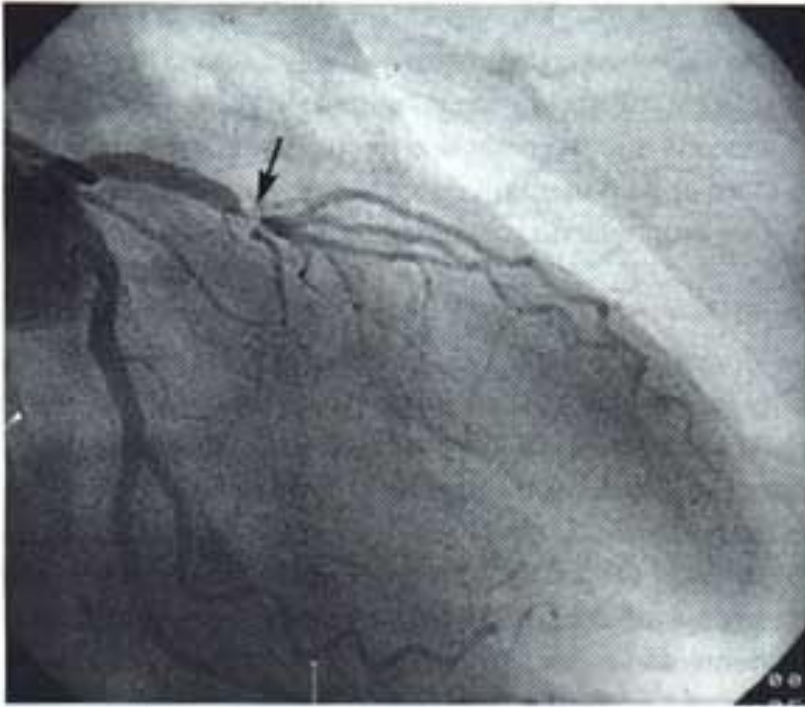
Cocaine & the heart

Acute

- Promotes acute coronary blockage ('coronary' or 'heart attack')
- Via spasm
- 'Sticky platelets'

Chronic

- 'Poisoning of heart muscle'
- Fibrosis in heart chambers, myocyte loss
- May occur even in asymptomatic users
- Risk of arrhythmia
- Risk to foetal heart



**A CHEST PAIN IS YOUR
BODY SAYING CALL 999**

DOUBT KILLS. CALL 999 IMMEDIATELY.

British Heart Foundation
National Charity Number 207174

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THIS IS CBS! AWT!

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Outcome of case

- Treated medically
 - Ramipril 10mg
 - Bisoprolol 2.5mg
 - Frusemide 80mg

Improved on the ward & discharged home after 1 week

- Normal heart function over next 2 years of follow up
- 100% abstinence from cocaine
- Mild alcohol intake resumed after 6 months with no ill effect

Questions?