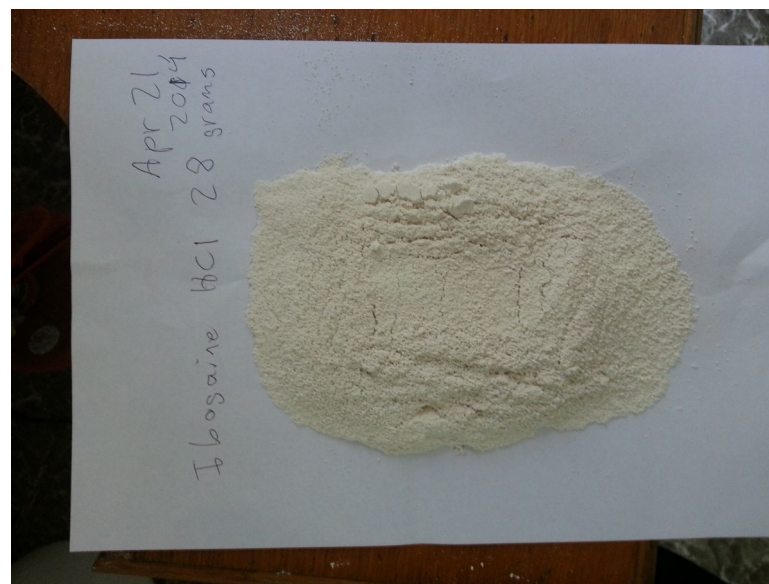
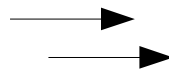


# Open-Source Process for the Production of Ibogaine HCl from *Voacanga africana* bark



Published August 2015  
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<http://www.puzzlepiece.org>

# Published Procedure

## Links:

[http://puzzlepiece.org/ibogaine/literature/voacanga\\_extraction\\_manual\\_phase\\_1.pdf](http://puzzlepiece.org/ibogaine/literature/voacanga_extraction_manual_phase_1.pdf)  
[http://puzzlepiece.org/ibogaine/literature/voacanga\\_extraction\\_manual\\_phase\\_2.pdf](http://puzzlepiece.org/ibogaine/literature/voacanga_extraction_manual_phase_2.pdf)  
[http://puzzlepiece.org/ibogaine/literature/voacanga\\_extraction\\_manual\\_phase\\_3.pdf](http://puzzlepiece.org/ibogaine/literature/voacanga_extraction_manual_phase_3.pdf)  
[http://puzzlepiece.org/ibogaine/literature/voacanga\\_extraction\\_manual\\_phase\\_4.pdf](http://puzzlepiece.org/ibogaine/literature/voacanga_extraction_manual_phase_4.pdf)

or navigate to <http://www.puzzlepiece.org>  
and click Drug Addiction Interruption  
and click Ibogaine Bibliography  
and scroll to Jenks:

Jenks, Christopher W. "Extraction Studies of Tabernanthe Iboga and Voacanga Africana.", Natural Product Letters, (2002), 16(1), 71-76. [PDF](#) (402 KB)

Jenks, Christopher W. "Ibogaine Extraction Manual.", Self Published, (2009), 14 pages. [PDF](#) (475 KB)

Jenks, Christopher W. "Analysis of Iboga and Voacanga Bark and Extracts by HPLC.", Self Published, (2014), 27 pages. [PDF](#) (1.0 MB)

Jenks, Christopher W. "Voacanga Extraction Manual: Phase 1: Isolation of Total Alkaloids.", Self Published, (2015), 12 pages. [PDF](#) (520 KB), [Pictures](#).

Jenks, Christopher W. "Voacanga Extraction Manual: Phase 2: Separation of voacangine from more basic alkaloids.", Self Published, (2015), 15 pages. [PDF](#) (5.0 MB), [Pictures](#).

Jenks, Christopher W. "Voacanga Extraction Manual: Phase 3: Final purification of voacangine." Self Published, (2015), 16 pages. [PDF](#) (4.6 MB), [Pictures](#).

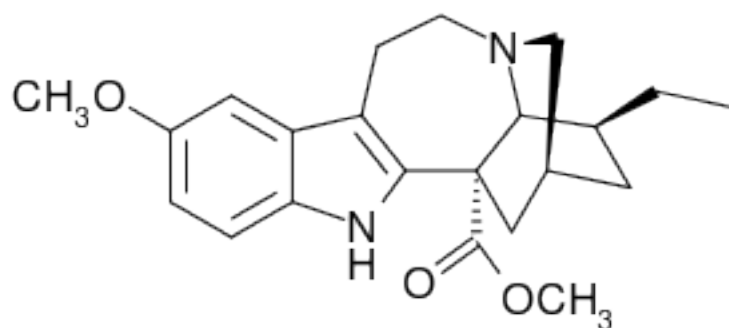
Jenks, Christopher W. "Voacanga Extraction Manual: Phase 4: Production and Purification of Ibogaine.", Self Published, (2015), 26 pages. [PDF](#) (1.8 MB), [Pictures](#).

# Key Features of this Process

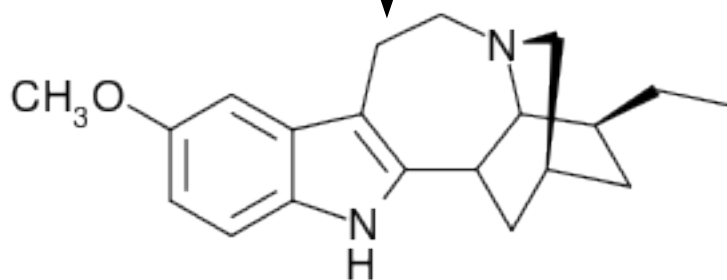
- **Open source:** Entirely published on-line so anyone can use it.
- **Written for a lay audience:** The procedure is written to be understandable to those without training in chemistry, though training in the procedure is highly recommended.
- **Uses inexpensive, widely available materials:** This allows the procedure to be deployed in the most countries and business conditions.
- **Modular:** The process can be divided into four separate phases, each with its own autonomous laboratory.
- **Easily scalable:** The modularity and low supply cost make increasing production inexpensive and simple.
- **Highly efficient:** Recycling and increased numbers of extractions can recover nearly all voacangine from the *Voacanga* bark.
- **Environmentally friendly:** Chemicals can be selected which will allow almost all waste to be applied as fertilizer.

# Two Main Steps

1. Isolate pure voacangine (Phases 1-3).
- 2: Convert voacangine into ibogaine:

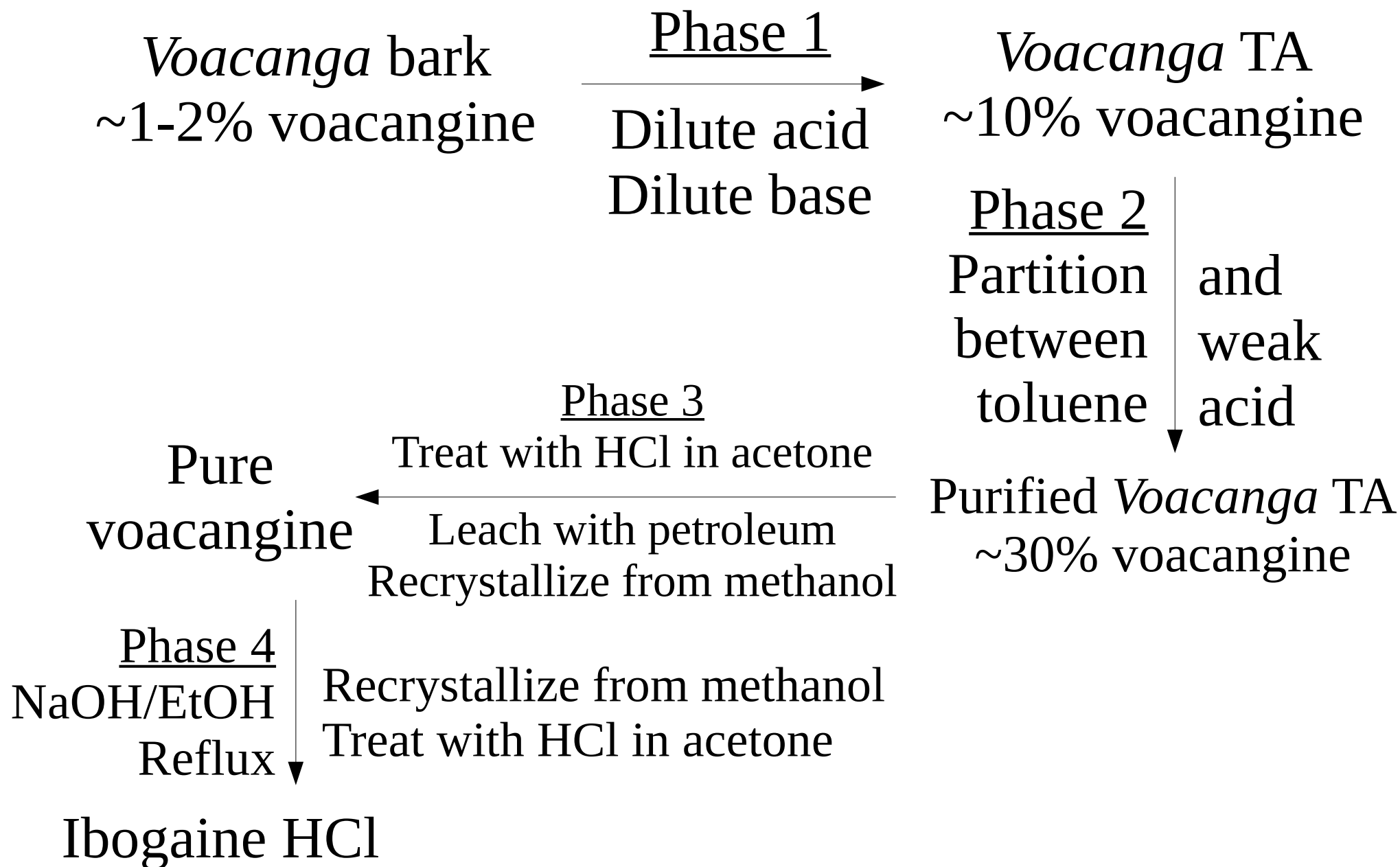


“Chop off the balls.” - Beal, 2016.



Ibogaine

# The Four Phases





# Making a Bucket Press





# Phase 1: Bucket Press System Stir Bark with Dilute Acid





# Pour Root Slurry Into Pillow Cases Allow to Drain





# Press the Bark





# Open the Presses



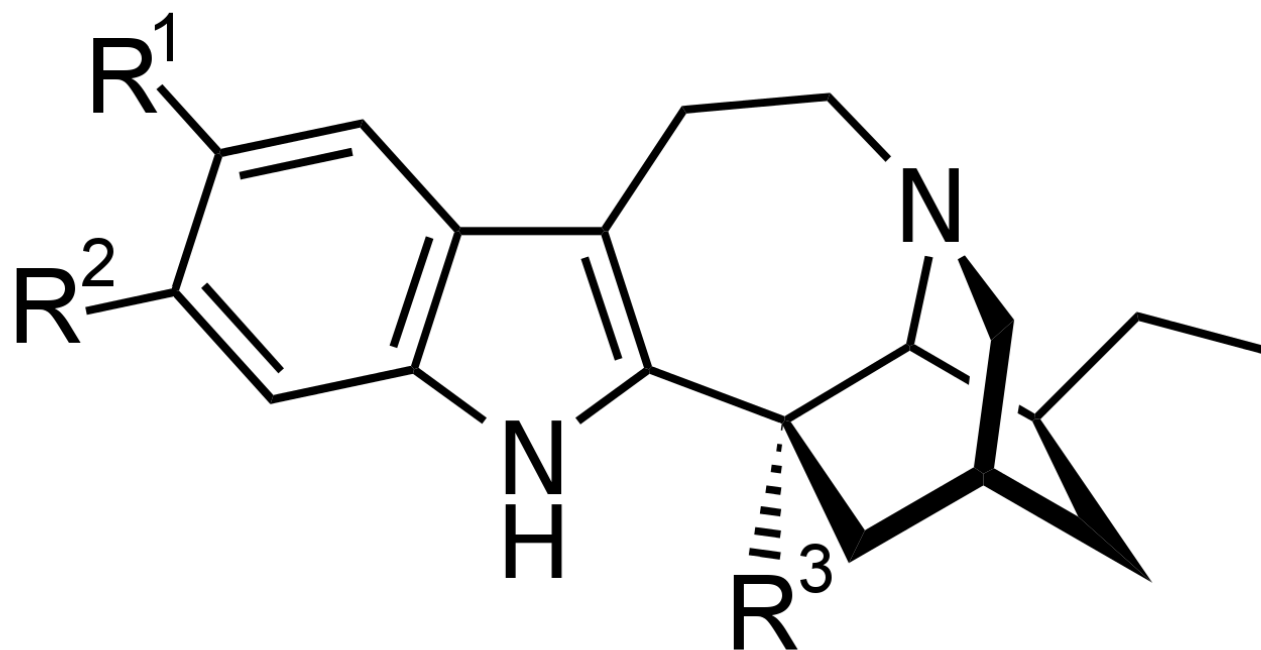
# Prepare for the Next Extraction Cycle





# There are Other Possibly Useful *Iboga* Alkaloids Besides Ibogaine

Iboga Alkaloids for Addiction Treatment Research



	R <sup>1</sup>	R <sup>2</sup>	R <sup>3</sup>		R <sup>1</sup>	R <sup>2</sup>	R <sup>3</sup>
Ibogamine	H	H	H	Coronaridine	H	H	CO <sub>2</sub> CH <sub>3</sub>
Ibogaine	OCH <sub>3</sub>	H	H	Voacangine	OCH <sub>3</sub>	H	CO <sub>2</sub> CH <sub>3</sub>
Tabernanthine	H	OCH <sub>3</sub>	H	Isovoacangine	H	OCH <sub>3</sub>	CO <sub>2</sub> CH <sub>3</sub>
Ibogaline	OCH <sub>3</sub>	OCH <sub>3</sub>	H	Conopharyngine	OCH <sub>3</sub>	OCH <sub>3</sub>	CO <sub>2</sub> CH <sub>3</sub>

# Possible Alternatives to Ibogaine

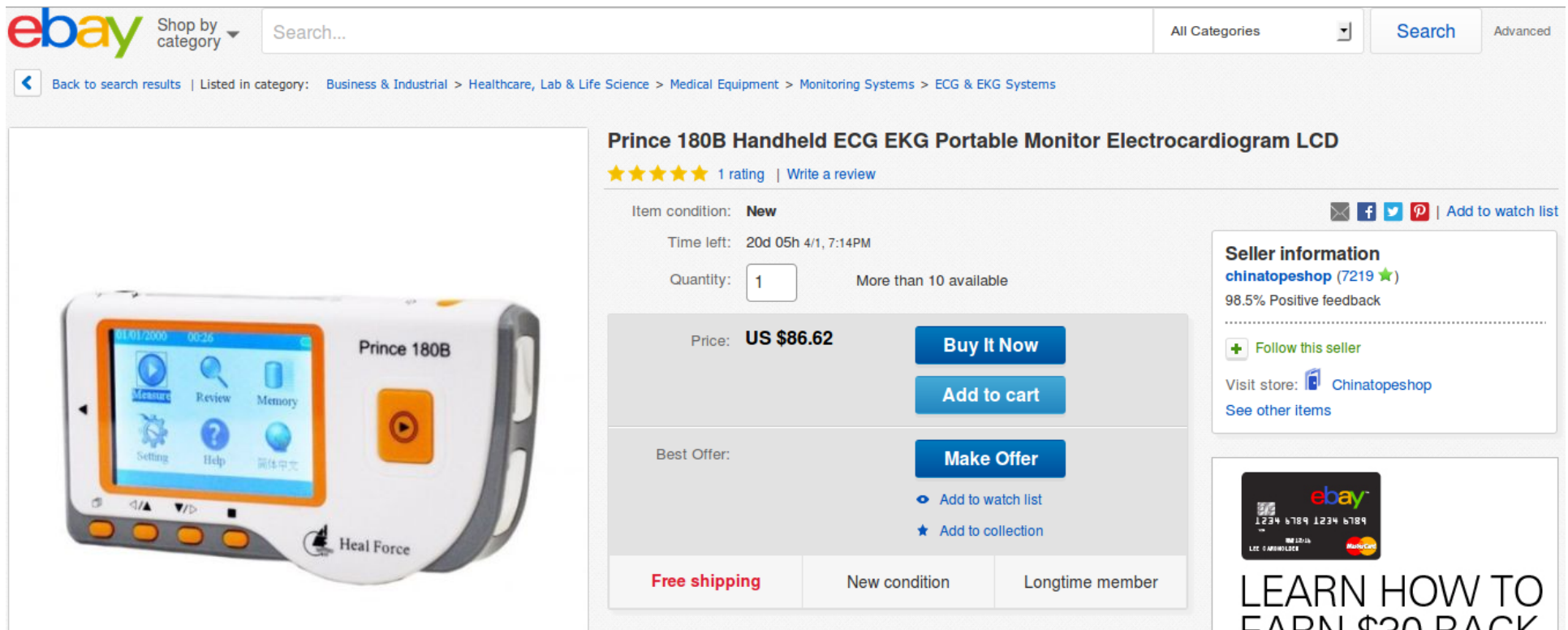
## Iboga Alkaloids Tested by Humans:

- Ibogaline: Psychoactivity similar to ibogaine with 2-3 times the potency; can be isolated from iboga RA or made from conopharyngine.
- Noribogaine: Not psychoactive at 160 mg.
- Voacangine: Not psychoactive or antiaddictive but causes severe gastrointestinal distress at 200 – 700 mg.

## Examples of unexplored but potentially promising alternatives to ibogaine:

- Ibogamine – Present in larger proportion in “especially potent” TA; available from coronaridine, the most naturally common of the simple *iboga* alkaloids.
- Tabernanthine – Patented by Ciba along with ibogaine to potentiate opiates in human beings.
- Ethoxyibogamine – The ethyl analog of ibogaine or tabernanthine which can be synthesized from either in a few steps.

# You Can Buy Your Own ECG for <\$100



The screenshot shows an eBay product page for a "Prince 180B Handheld ECG EKG Portable Monitor Electrocardiogram LCD". The device is a white handheld unit with a color LCD screen displaying a menu with options like Measure, Review, Memory, Setting, and Help. The screen also shows the date 01/01/2009 and time 00:36. The device has a yellow button with a play icon and the brand name "Heal Force" at the bottom.

**Prince 180B Handheld ECG EKG Portable Monitor Electrocardiogram LCD**  
★★★★★ 1 rating | Write a review

Item condition: **New**  
Time left: 20d 05h 4/1, 7:14PM  
Quantity:  More than 10 available

Price: **US \$86.62**

**Buy It Now**  
**Add to cart**

Best Offer: **Make Offer**  
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**chinatopeshop** (7219) ★  
98.5% Positive feedback  
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My ECG:





# Thank You for Your Attention

