

KetoAir  
*keto  
genic diet*



**FDA-Certified KETOAIR**  
**Breath Ketone Tester**







# Patents & Awards

## Patent:

1. ELECTROCHEMICAL SENSOR BASED ON PHOTOELECTRIC COUPLING EFFECT, AND PREPARATION METHOD THEREOF, CN108195907 B
2. CHEMICAL SENSING DEVICE, International Application No. PCT/IB2019/053652
3. GAS-BASED METHOD AND DEVICE FOR DIAGNOSING LUNG CANCER USING ELECTROCHEMICAL SENSORS, U.S. Serial No. 62/725,388
4. GAS-BASED METHOD AND DEVICE FOR DIAGNOSING LUNG CANCER USING LIGHT-REGULATED ELECTROCHEMICAL SENSORS, International Application No. PCT/CN2018/103569
5. SENSING MATERIAL FOR HIGH SENSITIVITY AND SELECTIVITY, International Application No. PCT/CN2019/076229
6. BREATH SENSOR, Application No. 29890102

## Award:

- HKMA/HKT Global Innovation Award 2024/25– Best Rising Star Of The Year
- 2023 Bright Future SME's Youth Creative Entrepreneurship Award – Special Award
- 2023 Maker in China SME Innovation And Entrepreneurship Global Contest Hong Kong Chapter – Merit Award
- HKSTP Elevator Pitch Competition 2020 – Top 10 Winners
- 中國全國發明展覽會2020 – 銀獎





# The Origin Of The Ketogenic Diet

1. Back in the 1920s, modern doctors introduced the ketogenic diet as a treatment for epilepsy
2. Treatment for diabetic patients
  - Limiting carbohydrates in your diet
3. Support cancer patients
  - Starves cancer cells to death without being toxic to normal cells

## FASTING AS EPILEPSY CURE.

### Osteopaths Hear That 22 Days on Water Usually End Fits.

LOS ANGELES, July 5.—Epilepsy may be cured by fasting, Dr. Hugh Conklin told the twenty-sixth annual convention of the American Osteopathic Association, now in session here. Epilepsy, according to Dr. Conklin, is caused by the improper functioning of certain glands in the bowels. By fasting for twenty-two days, taking only water, a cure may be effected, he said.

"Many people," added Dr. Conklin, "fast thirty days and are never afflicted by fits again. The longest fast which any patient ever took under my direction lasted sixty days. Out of thirty-seven tests in which children were used as patients, only two still are affected by the disease. The children all were under the age of 11 years, but we effect cures in older patients in from 50 to 60 per cent. of the cases we undertake."

(News report by Dr Hugh Conklin, 1922)

Source:  
Epilepsy -

Research Paper, [Ketogenic Diet and Epilepsy: What We Know So Far](#)

Research Paper, [History of the ketogenic diet](#)

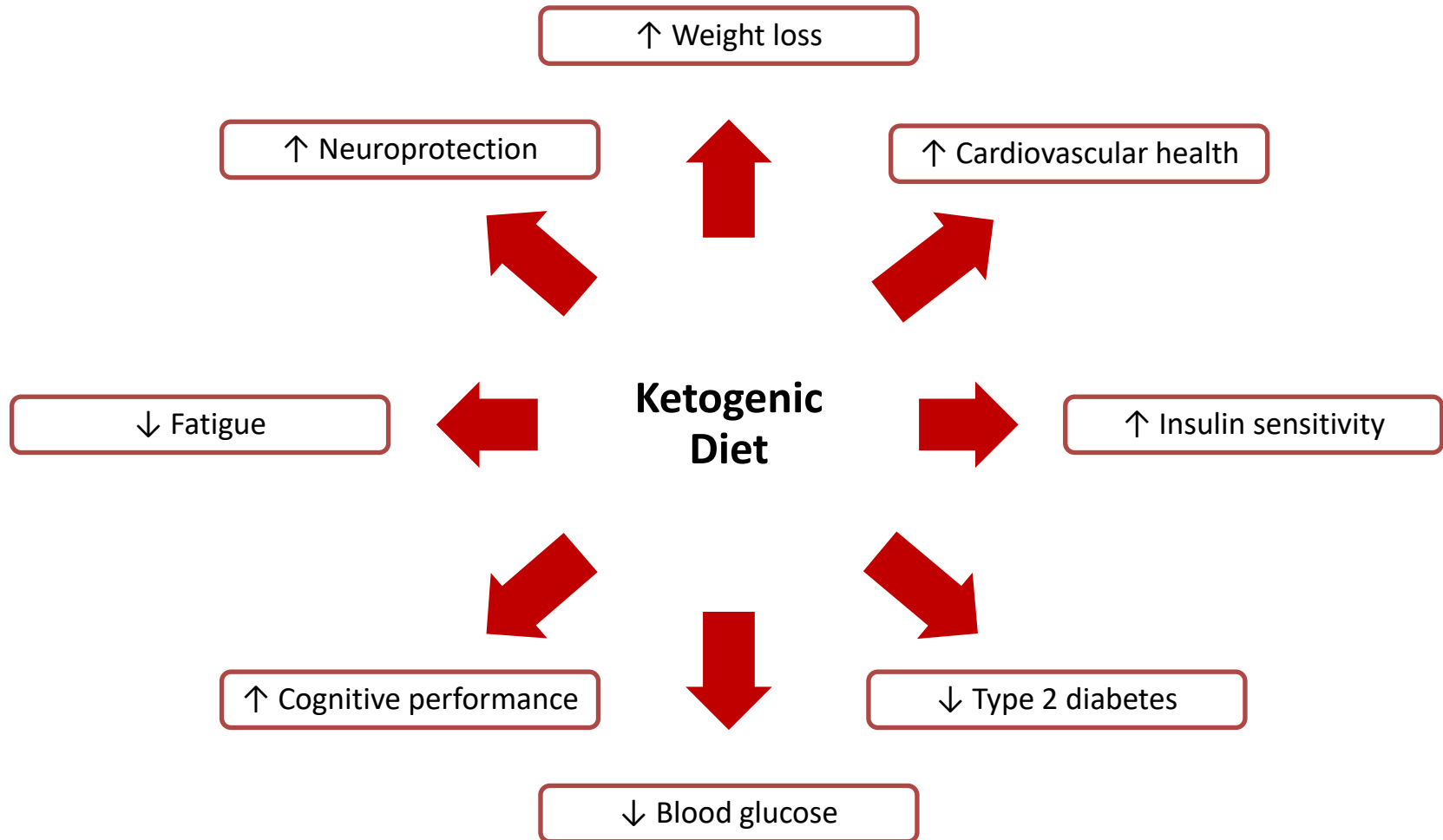
Carolina Henriques, [Fasting May Help to Prevent Seizures by Calming Nervous System, Early Study Suggests](#)

Research Paper, [Intermittent fasting: A "new" historical strategy for controlling seizures?](#)

Diabetes, Cancer - Research Paper, [The Ketogenic Diet: Evidence for Optimism but High-Quality Research Needed](#)

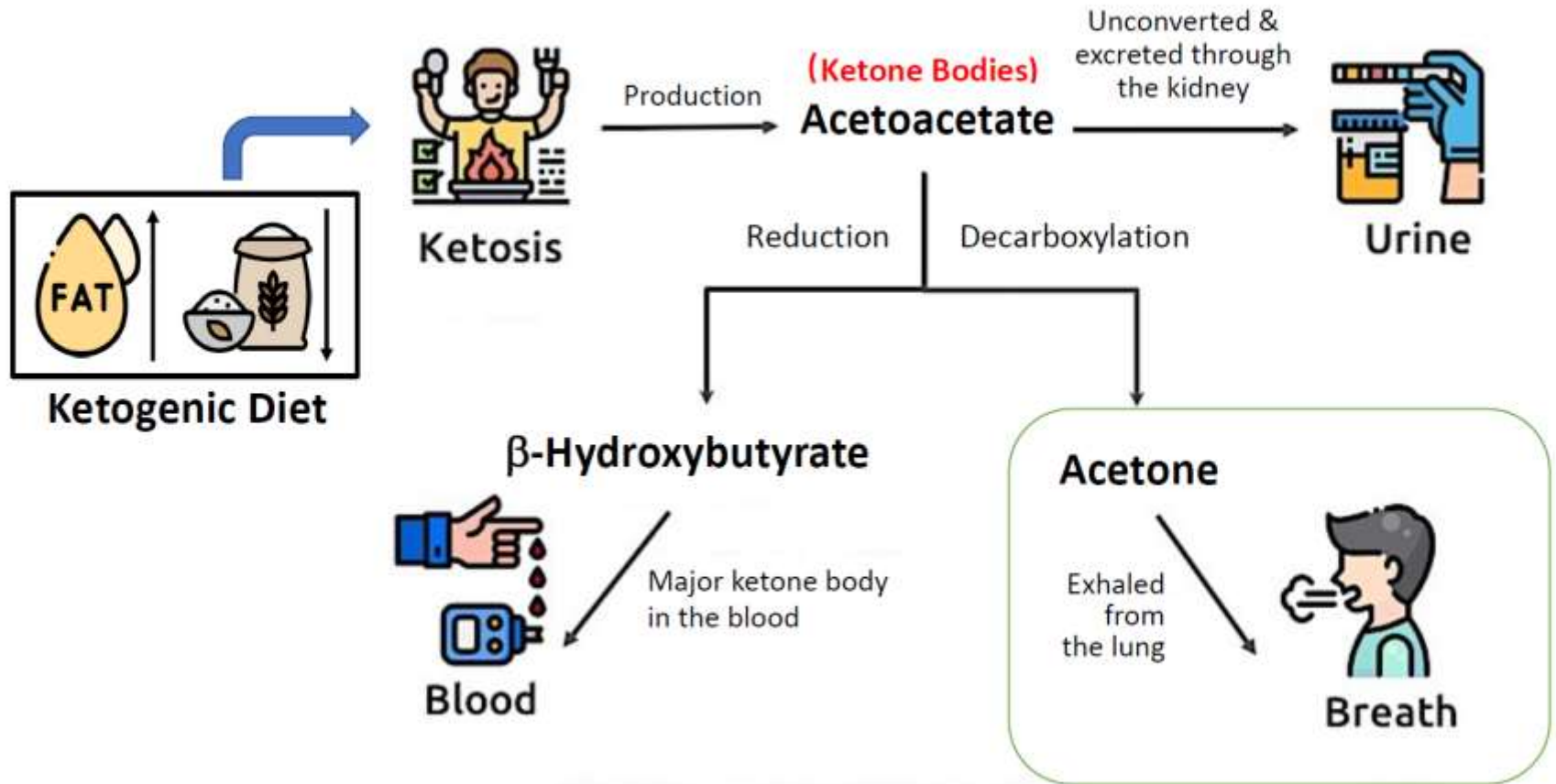


# Additional Health Benefits of Ketogenic Diet





# Metabolic Pathway of Ketosis





# Clinically Proven Ketogenic Diet Treatment for Type 2 Diabetes

Review > *Rev Endocr Metab Disord*. 2020 Sep;21(3):381-397.

doi: 10.1007/s11154-020-09580-7.

## Ketogenic diets as treatment of obesity and type 2 diabetes mellitus

Felipe F Casanueva<sup>1,2</sup>, Marco Castellana<sup>3</sup>, Diego Bellido<sup>4</sup>, Pierpaolo Trimboli<sup>5</sup>, Ana I Castro<sup>6,7</sup>, Ignacio Sajoux<sup>8</sup>, Gemma Rodriguez-Carnero<sup>6</sup>, Diego Gomez-Arbelaez<sup>9</sup>, Ana B Crujeiras<sup>6,7,10</sup>, Miguel A Martinez-Olmos<sup>6,7</sup>

Affiliations + expand

PMID: 32803691 DOI: 10.1007/s11154-020-09580-7



**nutrients**



Article

## Very-Low-Calorie Ketogenic Diet as a Safe and Valuable Tool for Long-Term Glycemic Management in Patients with Obesity and Type 2 Diabetes

Eleonora Moriconi<sup>1,2</sup>, Elisabetta Camajani<sup>2,3</sup>, Andrea Fabbri<sup>4</sup>, Andrea Lenzi<sup>5</sup> and Massimiliano Caprio<sup>1,3,\*</sup>

Citation: *Nutrition & Diabetes* (2016) **6**, e230; doi:10.1038/nutd.2016.36

[www.nature.com/nutd](http://www.nature.com/nutd)

### ORIGINAL ARTICLE

Short-term safety, tolerability and efficacy of a very low-calorie-ketogenic diet interventional weight loss program versus hypocaloric diet in patients with type 2 diabetes mellitus

A Goday<sup>1,2,3</sup>, D Bellido<sup>4</sup>, I Sajoux<sup>5</sup>, AB Crujeiras<sup>6,7</sup>, B Burguera<sup>8,9</sup>, PP Garcia-Luna<sup>10</sup>, A Oleaga<sup>11</sup>, B Moreno<sup>12</sup> and FF Casanueva<sup>6,7</sup>



# Supported By International Celebrities

Ketogenic diets are one of the most popular diets in the world

NBA Superstar  
LeBron James



Chinese Television  
Program Host Li Jing



"Iron Man" Movie Actress  
Gwyneth Paltrow



Chinese Pop  
Female Singer  
Angela Chang



"Transformers"  
Movie Actress  
Megan Fox





# Real-time Monitoring to Achieve Optimal Health Benefits

Breath test to measure  
ketogenic status



Keep track of what  
you eat and drink

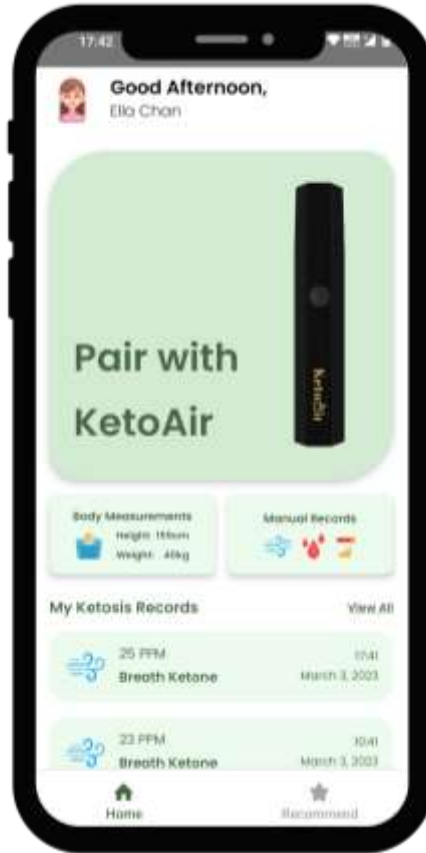


Record of  
exercise habits





# KetoAir



Painless breath test

Bluetooth link to App

Indicator of ketogenic status



# Quality Assured as an FDA Class 1 Cleared Device

The screenshot shows the FDA's public database for medical devices. The header includes the U.S. Department of Health & Human Services logo and the U.S. Food & Drug Administration logo. A search bar is located in the top right. The main navigation bar lists various FDA categories, with 'Medical Devices' selected. The page title is 'Establishment Registration & Device Listing'. Below the title, there are links for 'FDA Home', 'Medical Devices', and 'Databases'. The main content area displays search results for 'Ketoair', a 'SYSTEM, BREATH MEASUREMENT' device. The results are organized into two columns: 'New Search' and 'Back To Search Results'. The 'New Search' column lists the following details: Proprietary Name: Ketoair; Classification Name: SYSTEM, BREATH MEASUREMENT; Product Code: NRH; Device Class: 1; Regulation Number: 862.1820; Medical Specialty: Clinical Chemistry; Registered Establishment Name: QI DIAGNOSTICS LIMITED; Owner/Operator: Qi Diagnostics Limited; Owner/Operator Number: 10086835; Establishment Operations: Foreign Exporter; Specification Developer. The 'Back To Search Results' column is empty. At the bottom of the page, there is a footer with the FDA logo and links for Accessibility, Contact FDA, Careers, FDA Basics, FOIA, No FEAR Act, Nondiscrimination, and Website Policies / Privacy.

U.S. Department of Health & Human Services

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## Establishment Registration & Device Listing

FDA Home Medical Devices Databases

New Search Back To Search Results

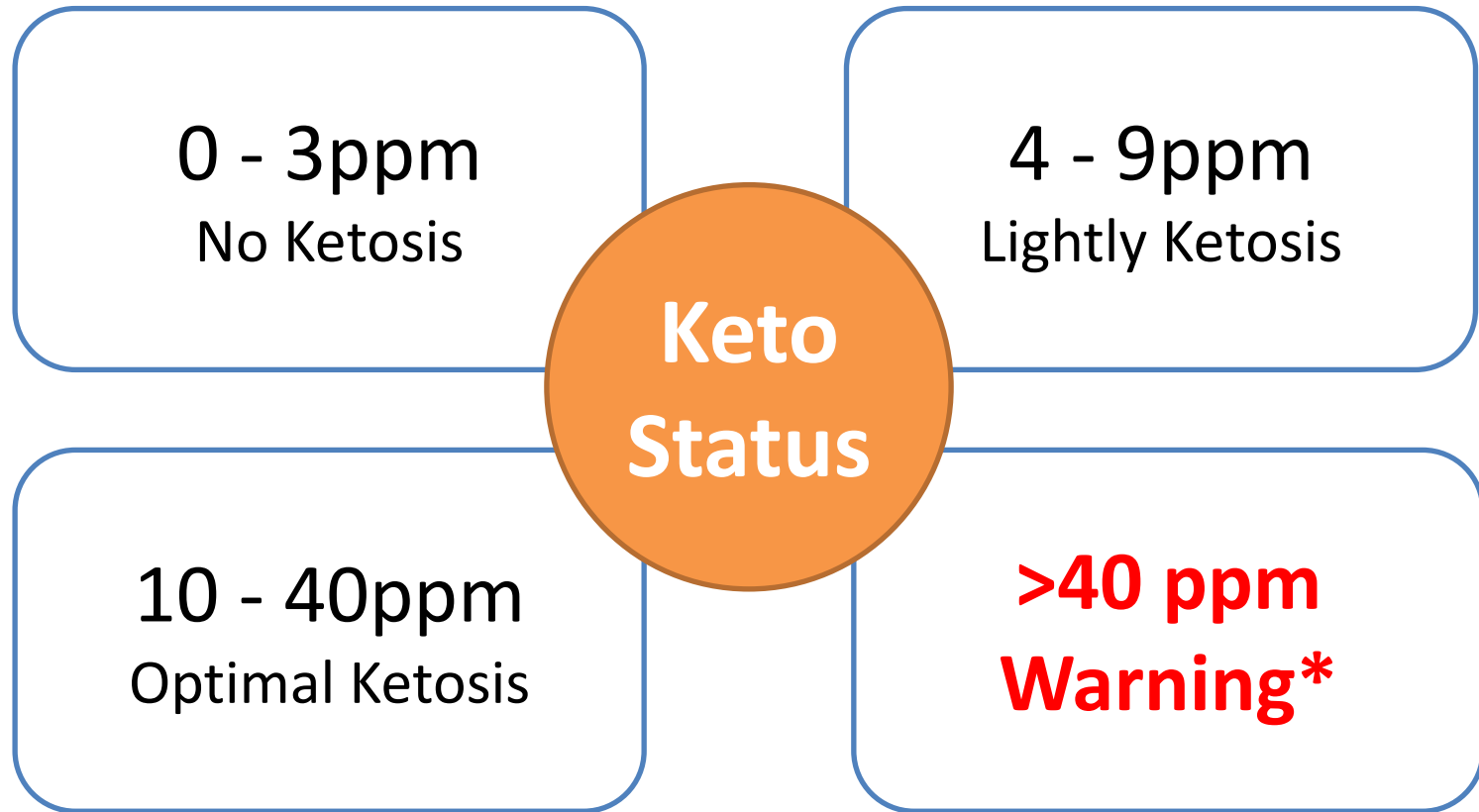
Proprietary Name:	Ketoair
Classification Name:	SYSTEM, BREATH MEASUREMENT
Product Code:	<a href="#">NRH</a>
Device Class:	1
Regulation Number:	<a href="#">862.1820</a>
Medical Specialty:	Clinical Chemistry
Registered Establishment Name:	<a href="#">QI DIAGNOSTICS LIMITED</a>
Owner/Operator:	<a href="#">Qi Diagnostics Limited</a>
Owner/Operator Number:	10086835
Establishment Operations:	Foreign Exporter; Specification Developer

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# Breath Ketosis Status Indicator



\*Warning for potential risks of diabetic ketoacidosis, liver problems, kidney problems, etc.



A close-up profile of a man's face, shouting with his mouth wide open. The background is dark and filled with faint, glowing chemical structures, including various rings and functional groups like hydroxyl groups.

Thank you!

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