

Antibacterial Resistance without Drugs

Professor Andrew Hague*

President of CellSonic Limited. Ras al Khaimah, United Arab Emirates

Citation: Hague A. Antibacterial Resistance without Drugs. *J M Med Stu* 2025; 2(3): 211-212. DOI: doi.org/10.51219/JMMS/Andrew-Hague/39

Received: 12 August, 2025; **Accepted:** 15 August, 2025; **Published:** 18 August, 2025

***Corresponding author:** Professor Andrew Hague, President of Cell Sonic Limited. Ras al Khaimah, United Arab Emirates, Email: sales@cellsonic-medical.com

Copyright: © 2025 Hague A., this is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution and reproduction in any medium, provided the original author and source are credited.



Antibacterial resistance happens when too many antibiotics are used so that bacteria evolve to be resistant. This renders antibiotics less effective. The answer is to use antibiotics less.

The most common uses for antibiotics are on diabetic ulcers, post-operative surgery, skin infections and dental. Instead of antibiotics, CellSonic pulses can be used. Infections are killed instantly and mechanically without side effects leaving no opportunity for bacterial evolution. No drugs will contaminate the sewage and waterways. The cost of treatments is much reduced and they can be given in all doctors' and dentists' surgeries by a nurse.

Diabetic ulcers will be healed saving the NHS over £5 billion a year. Amputation is not wound healing. After every surgical operation, CellSonic should be aimed at the wound and internal organs to kill all infections be they viral, bacterial or parasites. It is not necessary to know what the infection is. Dentists currently have no cure for periodontal disease which affects 50% of the population. Almost all cancer patients have dental infection and if that is not cured the cancer is not cured. CellSonic is the only cure and is completely safe.

By reducing the consumption of antibiotics to at least half or more of the current rate, the resistance of bacteria will be reduced, the NHS will save on costs and labour leaving people healthier. The machines are available now. No further development is needed.

The origins of CellSonic go back to lithotripsy in St Thomas' Hospital in London in 1987 and is now used in all hospitals in the world without side effects. CellSonic has reduced the size of the machine and the price. Production is licenced to Apex Meditech in India. The main use for CellSonic is currently for cancer.

The wound pages of the website <https://cellsonic-medical.com/> have clincial papers from Tübingen and Brussels universities on wound healing. The paper by Chouckroun on necrosis of the mandible confirms the effect on periodontal disease. This is biophysics, not biochemistry and is completely safe as proven with lithotripsy.