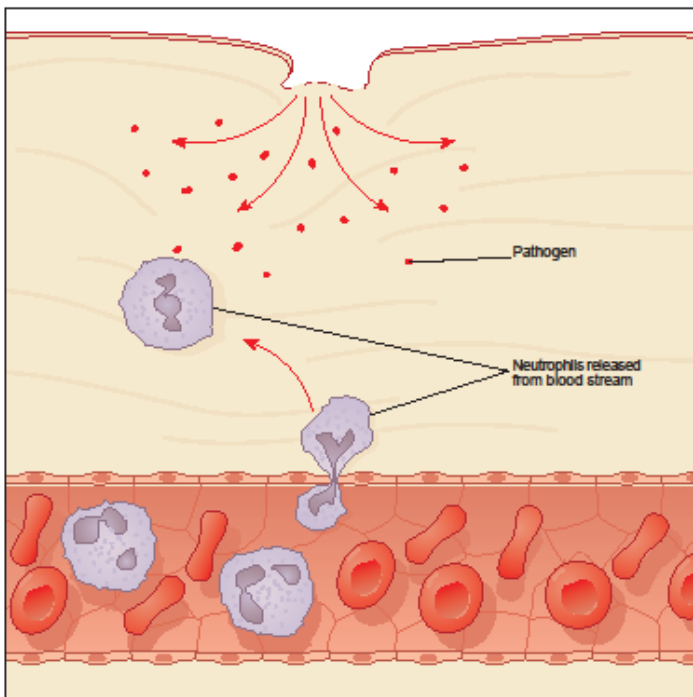
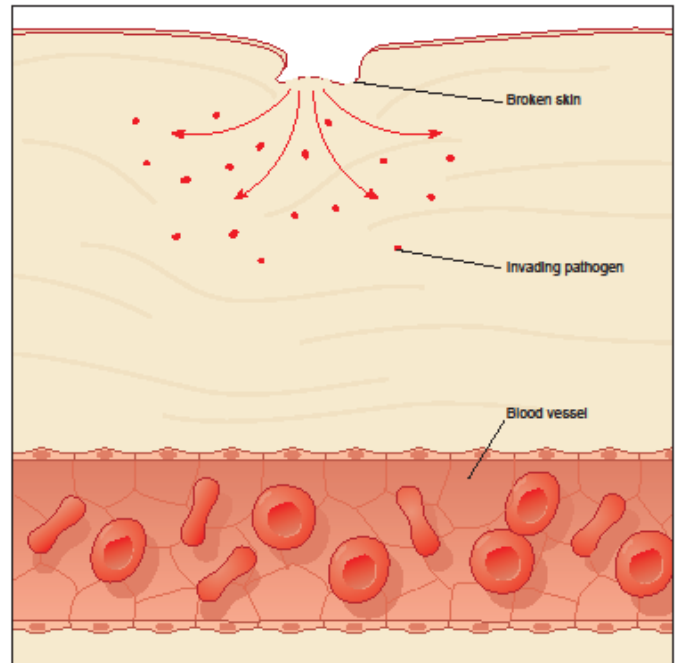


# Our Technology working in Humans

The human immune defence system produces Hypochlorous acid (HOCl) to kill invasive organisms. This is how it happens:

\* Following a skin wound bacteria enter the body



\* Neutrophils (a type of white blood cell) are released from the blood stream and migrate to the bacteria via a 'chemotaxis' process



\* Neutrophils surround the bacteria and secrete an enzyme – NADPH oxidase which decays to produce  $H_2O_2$  + NaCl (salt) = HOCl + NaOH



\* *Did you know HOCl is around 10X more effective than bleach?*

