

GUT PROBLEMS IN MALAYSIA

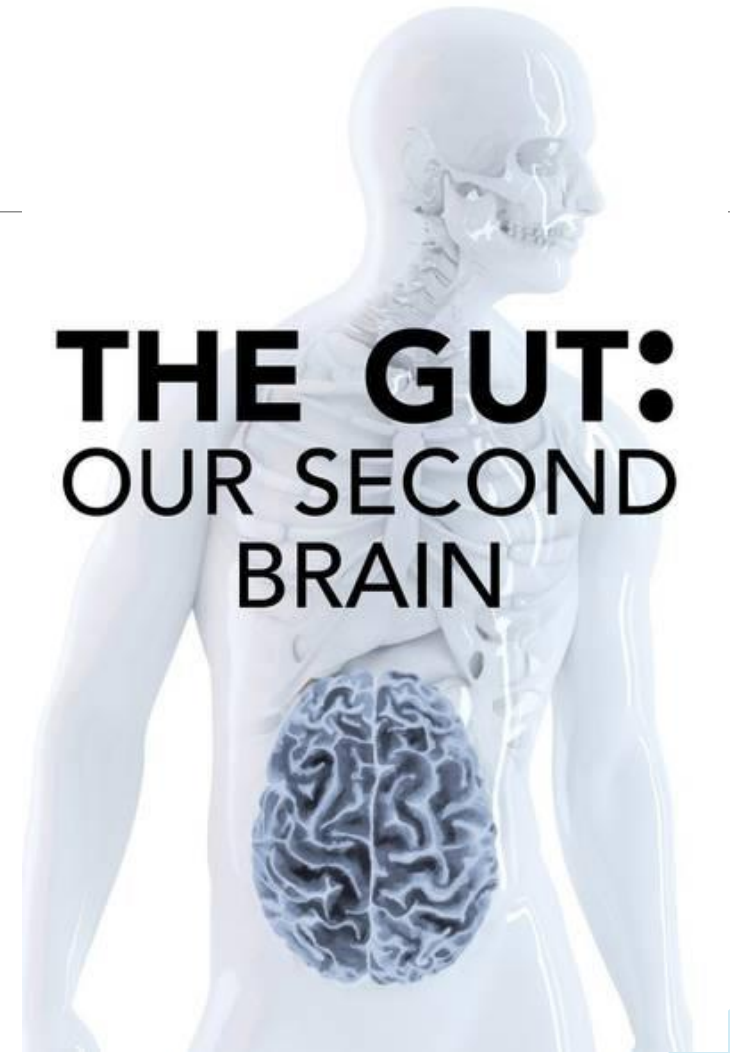
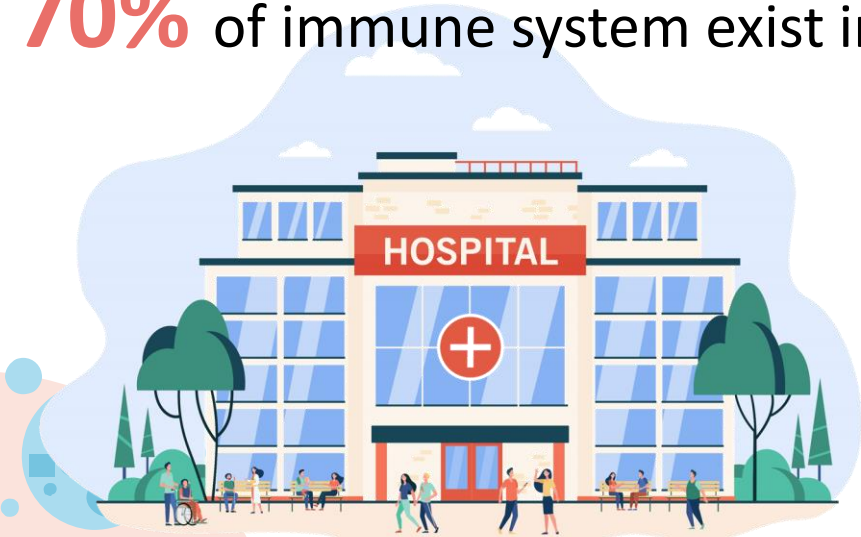


Disease of the digestive system

3rd principal cause of hospitalisation in private hospital

7th principal cause of hospitalisation in government hospital

70% of immune system exist in our gut



THE GUT: OUR SECOND BRAIN



**Each Sachet
Provides**

≥4
Billion CFUs
of Live and Active
Cultures, The Human
Origin Strain of **Bifi-**
dus Probiotic **BB536**

One of The World's Most
Recognised and
Researched Prebiotic,
The
Galacto-Oligosaccharides
(**GOS**)

IMUNOTM FACTOR

PREBIOTIC AND PROBIOTIC FORMULA

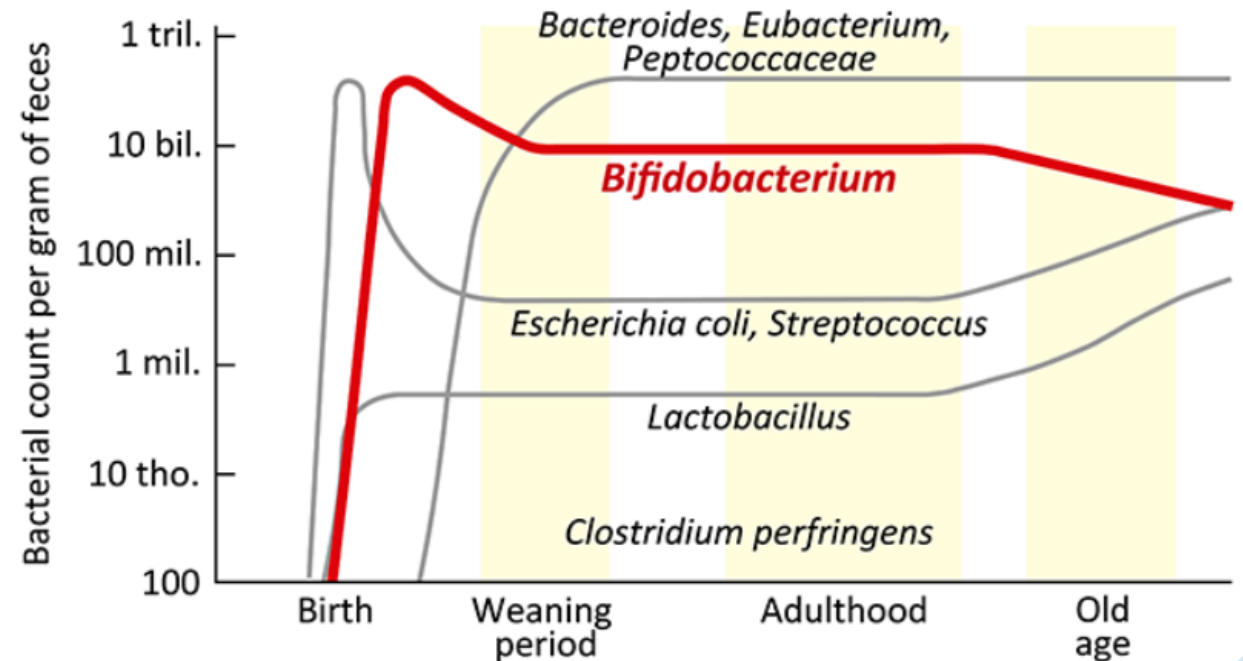
CONTAINS IMPORTED STRAIN OF
BIFIDUS PROBIOTIC FROM JAPAN

With Yogurt Powder



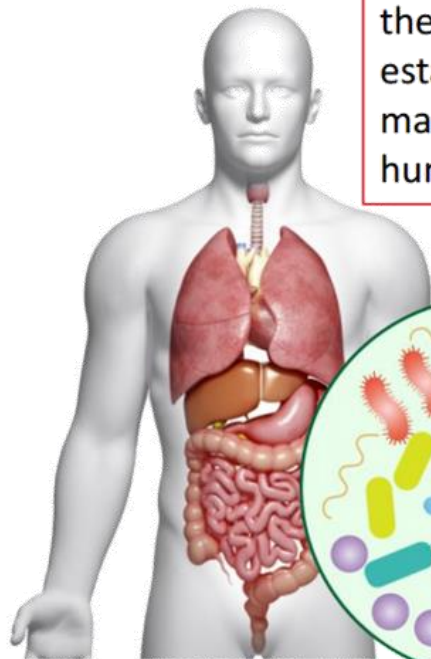
BIFIDOBACTERIUM(BB536) DECREASES WITH AGE

The composition of human gut microbiota changes with age, and alterations in this composition influence human health.

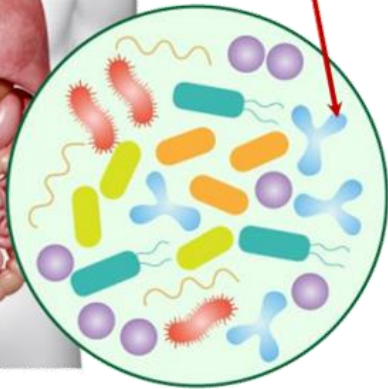


Prepared from Mitsuoka, 1973

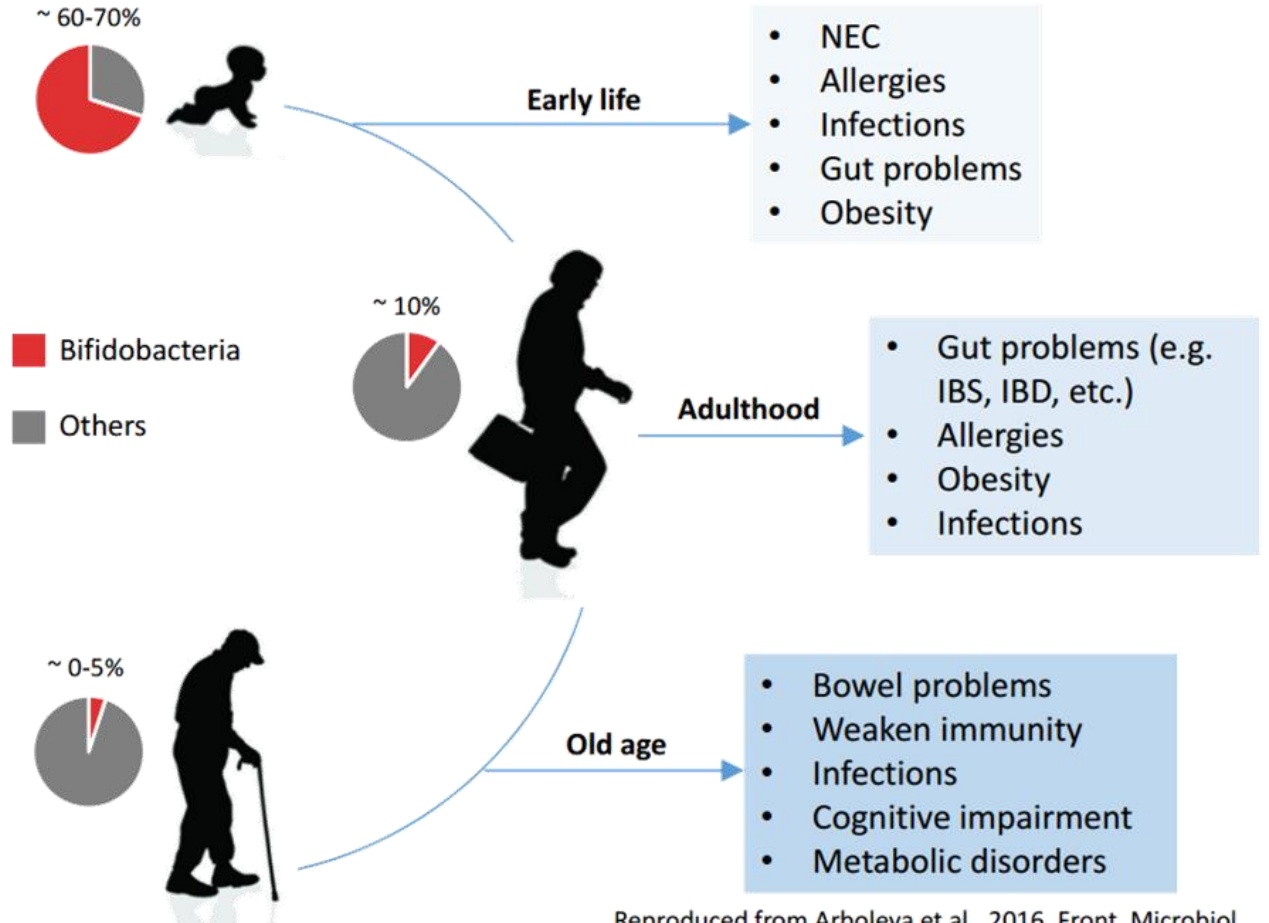
BIFIDOBACTERIA (BB536) IS PARTICULARLY IMPORTANT



Bifidobacteria are one of the **keystone bacteria** in establishing and maintaining health of the human host.



Their presence and influence on human health is **continuous from birth to old age**.



Reproduced from Arboleya et al., 2016. Front. Microbiol.

Why Imuno factor ?

- BB536-Single strain -4 billion CFUs of Live BB536Be alive when administered
- High Stability- Culturing technology Scientifically proven-Safe up to 40 degree temperature
- Prebiotics GOS also known as Human Milk
- Easy and convenient to consume
- 1-2 sachet with yogurt flavor per day

For half a century, BB536 has been the superior Human Residential Bifidobacteria (HRB) probiotic strain that helps people achieve optimal health from the inside out.



One of the most well-studied & clinically effective probiotic strains in Japan. (> 50 years of research & 200 scientific studies)



Japan FOSHU Claims

- Food for Specific Health Use
- Effectiveness on the human body is clearly proven

Safe- GRAS (Generally recognized as safe-By USA FDA)

Imuno Factor

Clinical Dosing

-Only 2 billion CFU can have the benefits of probiotic.

Stability

-Stable up to 40 degree celcius.

Sensitivity to oxygen

-Obligate anaerobic. Unable to live in the presence of oxygen. Hence it is not easily oxidized. More stable.

Main metabolites

-Acetic acid & Lactic acid. Main benefit of Acetic acid is can kills E. coli which is a Panthogenic bacteria.

Type

-Human residential bacteria. Showed high compatibility in human breast milk.

Trials

Backed up with 200 + clinical papers

Source

BB536 is from Morinaga Japan

Immuno Factor Suitable for

Newborn babies & Children

Immunity is yet to develop, particularly prone to infection.

Elderly

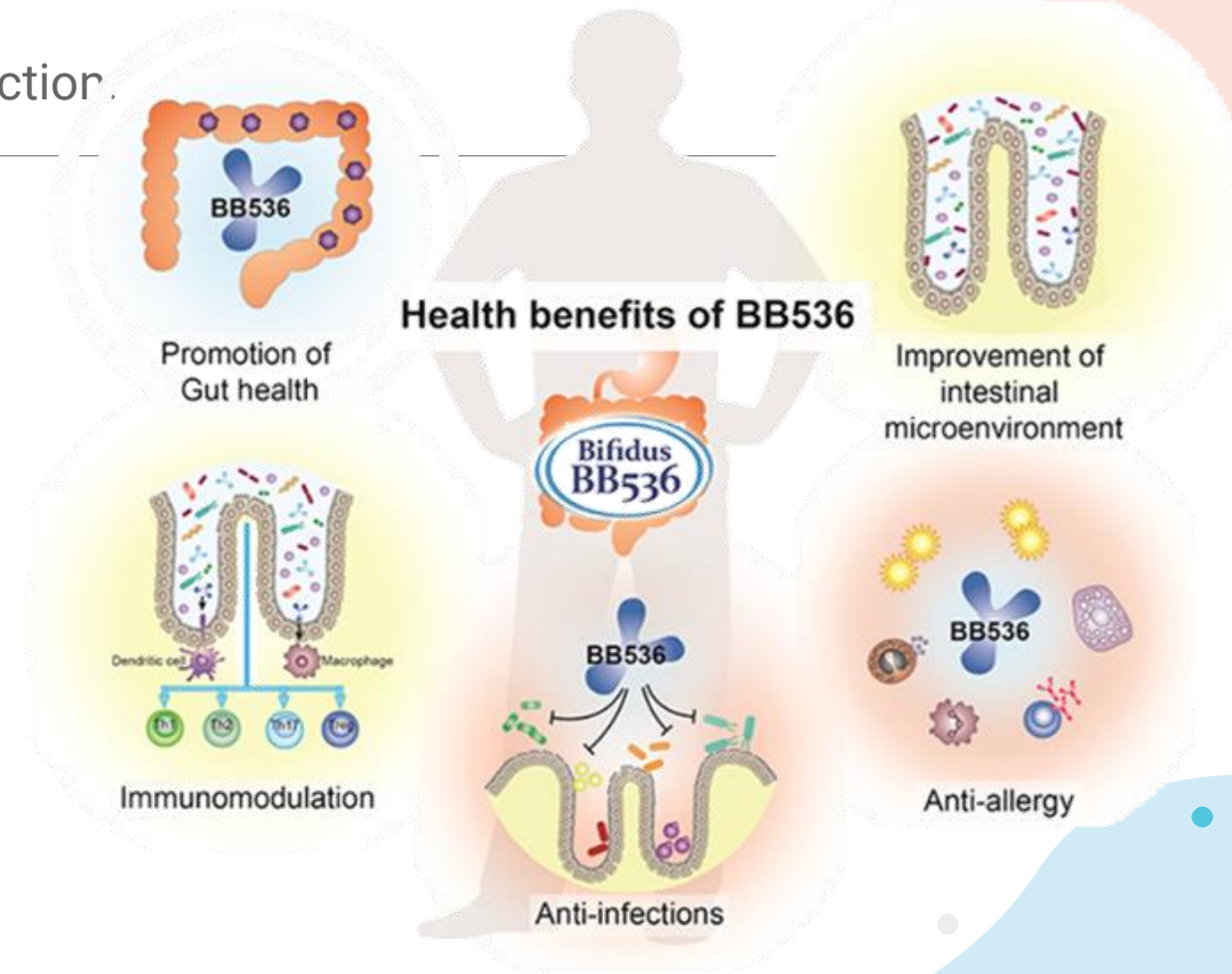
Immune system naturally weakens as you age.

Stressful Adults

Chronic stress from work and life can impact one's immunity.



Benefits



Prepared from Wong et al., 2019. Journal of Functional Foods

BB536 RESEARCH ON BOWEL MOVEMENT



Infrequent bowel movements (≤ 4 times/week)



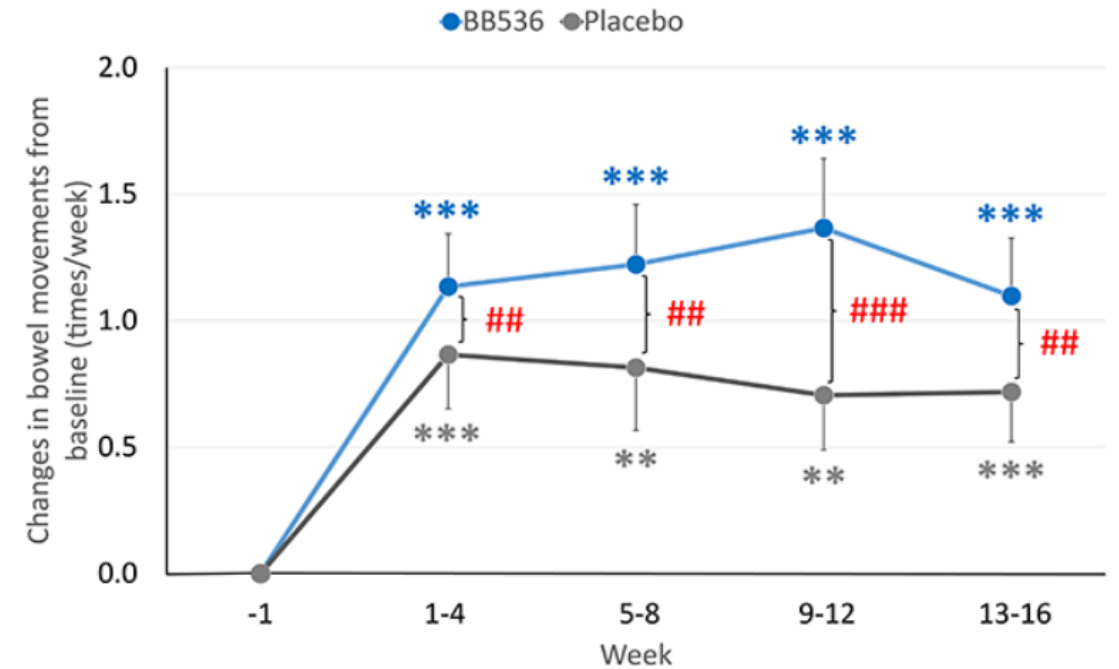
168 adults



B. Longum



BB536
16 weeks



**P<0.01 vs Week-1 group
***P<0.001 vs Week-1 group

**P<0.01 between groups
***P<0.001 between groups

BB536 showed better improvement in patients with infrequent bowel movement.

BB536 RESEARCH ON GUT HEALTH



Research Design



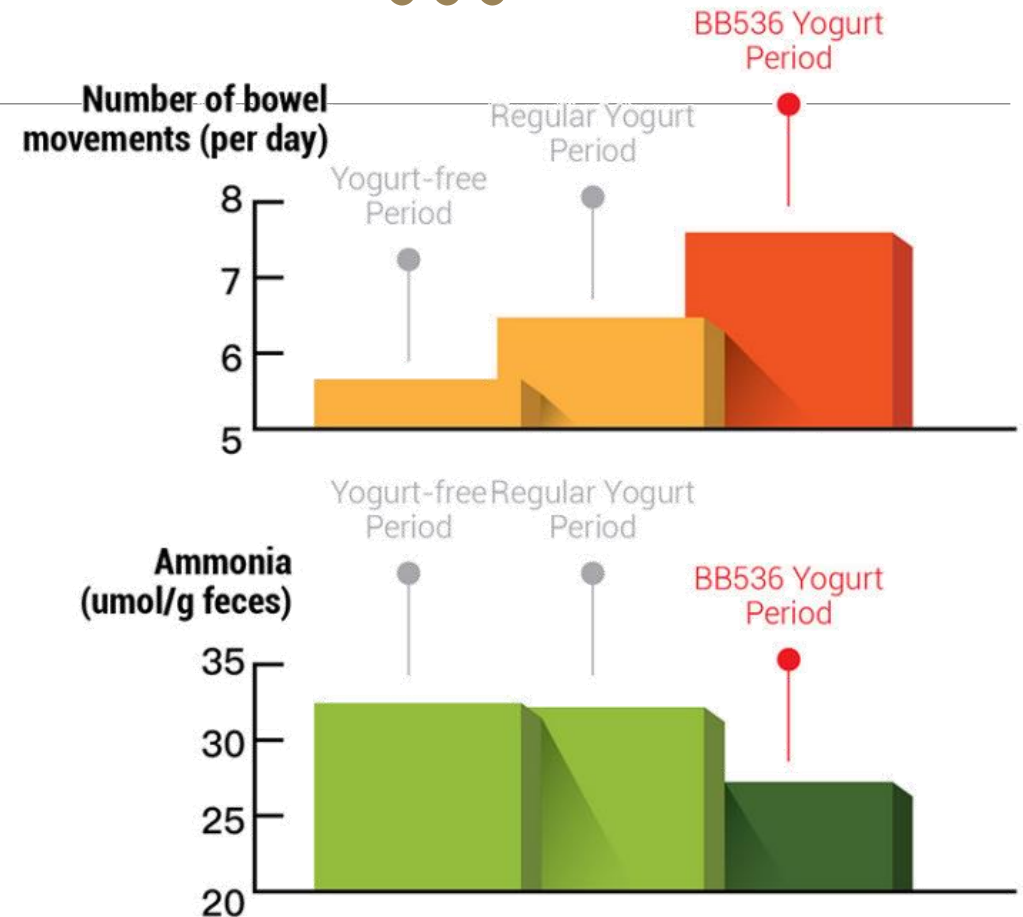
39 adults



B. longum



BB536
2 weeks



Number of bifidobacteria & bowel movement increased whereas number of putrefactive products decreased.

BB536 RESEARCH ON FEVER & FLU INFECTION



Prevents fever and flu infection



Research Design



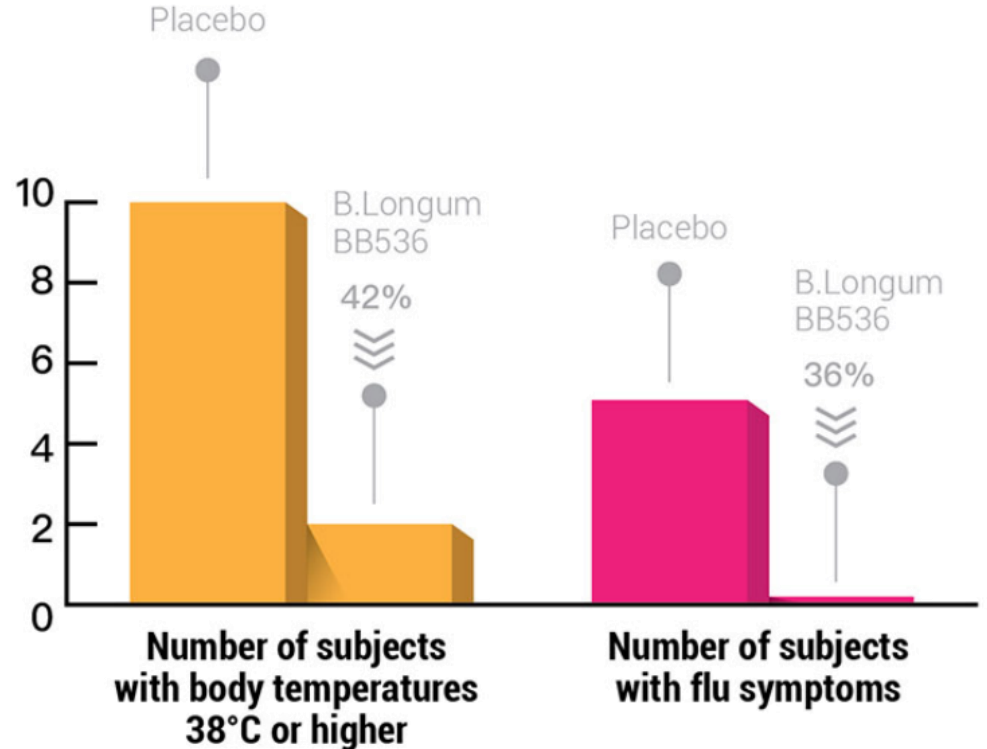
27 elderly



B. longum



BB536
19 weeks



Number of subjects with flu symptoms & body temperature > 38°C was reduced.

BB536 RESEARCH ON ALLERGIC



Research Design



44 adults

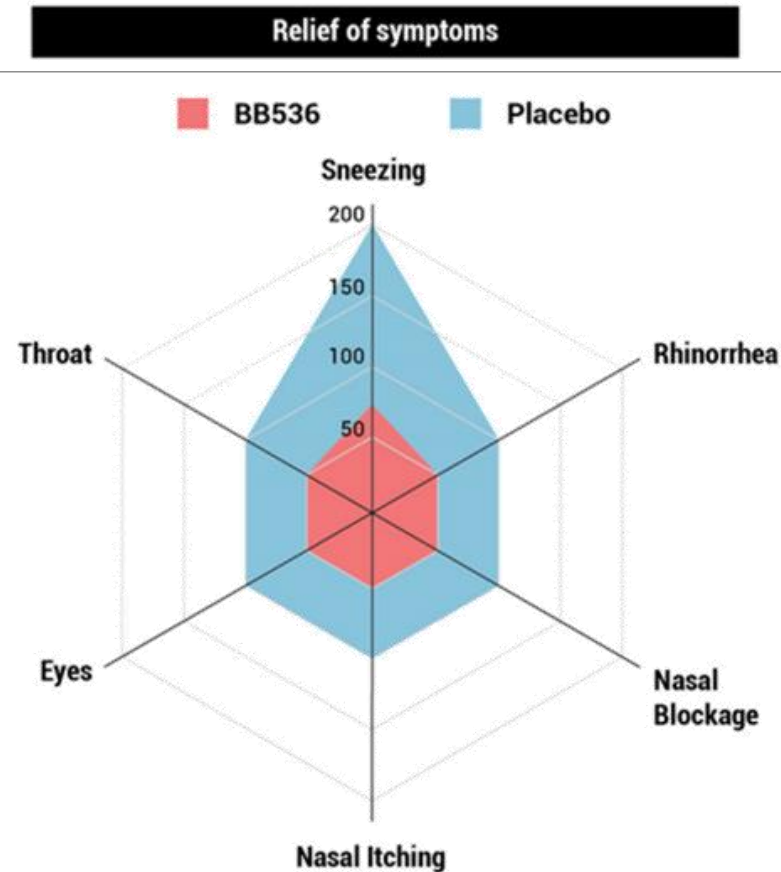


B. longum



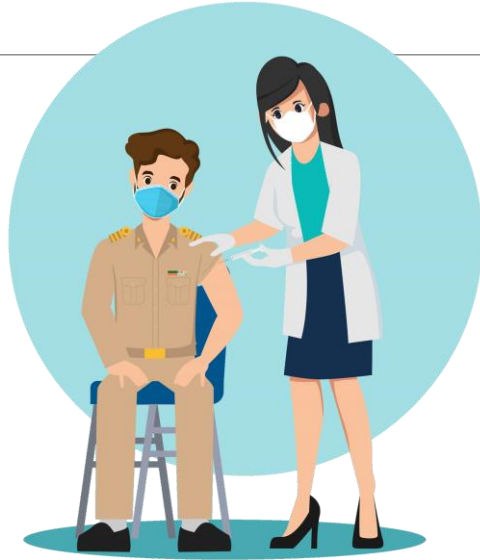
BB536

13 weeks



Subjects with BB536 have their subjective symptoms remitted.

BB536 RESEARCH ON INFLUENZA



Research Design



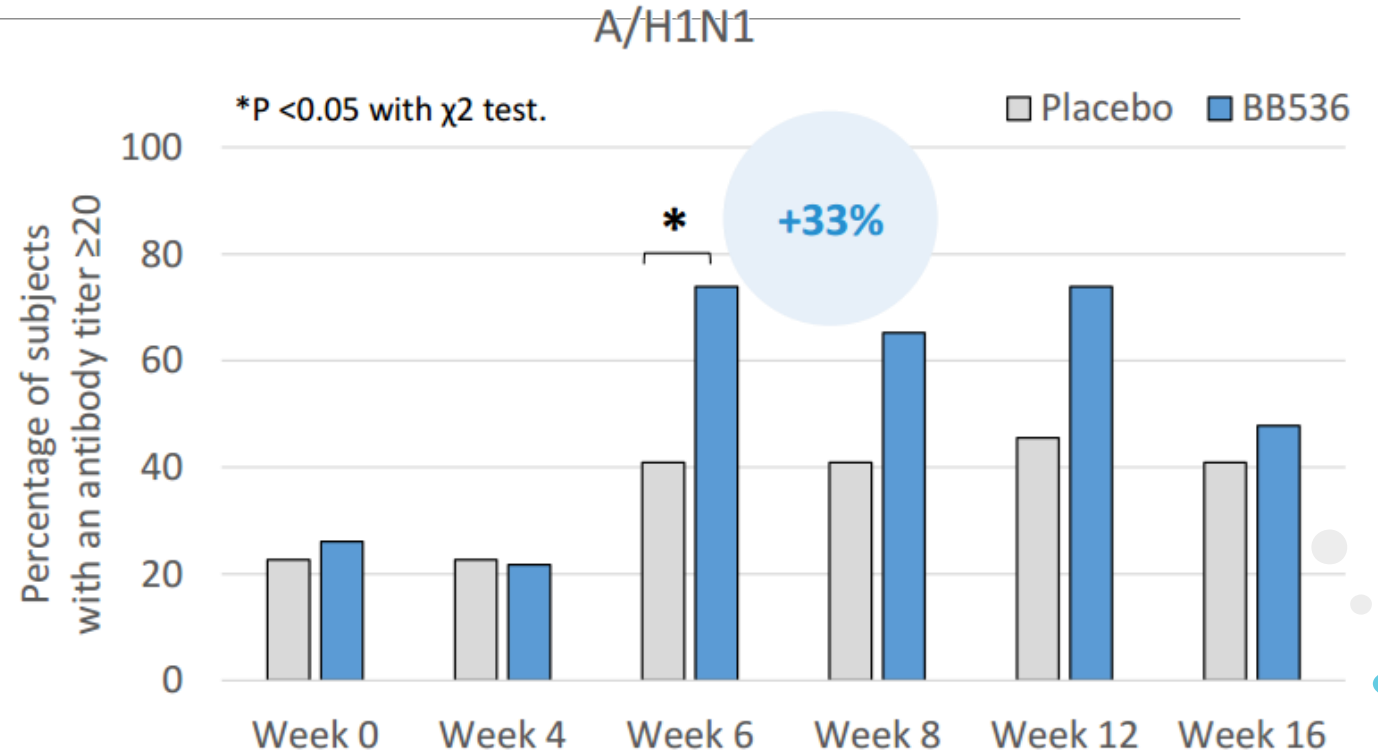
45 elderly



B. longum



BB536
18 weeks



Subjects with BB536 have increased antibody titre against influenza virus.