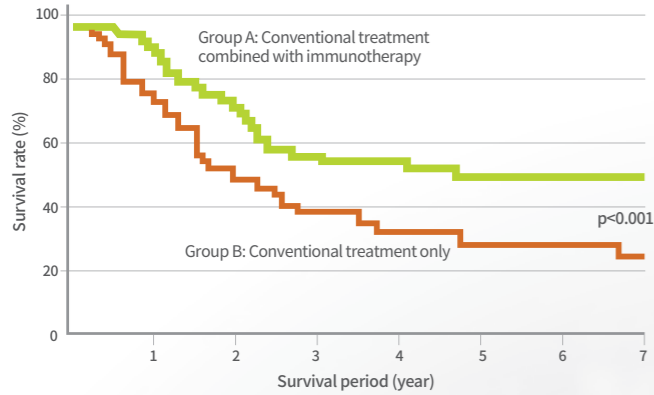


Benefit of Immunotherapy

Case study #1 Lung cancer

No. of patients: **164**

Compared with radiation or chemotherapy after surgery, the **survival rate** of patients with immunotherapy combined was **2.2 times higher** than general treatments. (over 7 years)

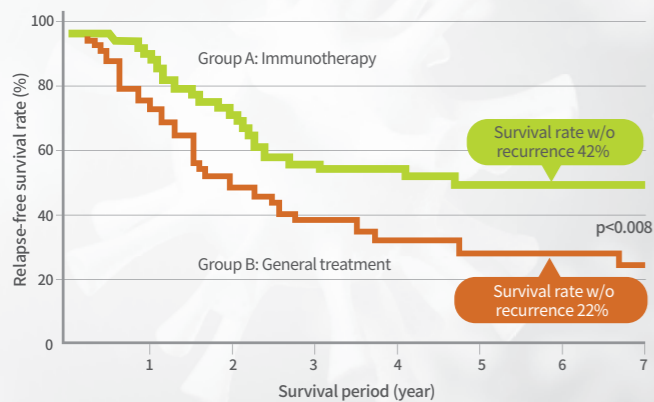


Case study #2 Liver cancer

No. of patients: **150**

Compared with patients who received general treatments, the **relapse-free survival rate** among patients who received immunotherapy after 7 years was **2 times higher**. (over 7 years)

*Immune cells were administered at intervals of 2 weeks, 3 weeks, 4 weeks, 3 months, and 6 months



Believe in the power of your own cells

For more information, please contact your doctor



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IIB
IMMUNisBIO

MYJ1633
NK CELL THERAPY
NK 면역세포치료



Cancer



Autoimmune diseases



Infectious diseases



Anti-aging



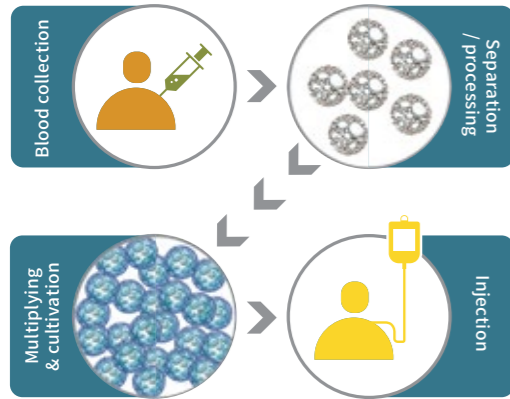
Aesthetics

What is Immunotherapy?

Immunotherapy broadly refers to a variety of techniques used to strengthen the human immune system to fight diseases.

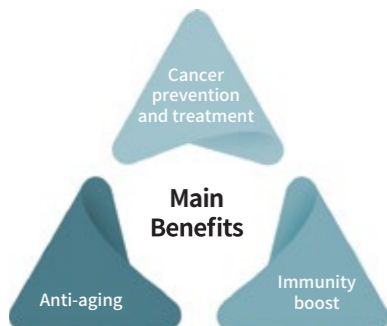
Immunotherapy uses natural cells produced in the body or cultivated in a laboratory to increase the efficacy of your immune system, detecting and destroying cancer cells selectively whereas conventional treatments using drugs and radiation can kill both healthy and cancer cells.

NK immunotherapy is recognized as an advanced treatment by Japan FDA in 1996.



The Benefits of Immunotherapy

- Prevents and treats cancer
- Increases tolerance to chemotherapy
- Improves recovery rate when combined with surgery, radiotherapy, and chemotherapy
- Reinforces the immune system and prevents diseases
- Acts as anti-aging treatments
- Relieves pain from cancer and conventional therapy
- Improves the quality of life



What is NK Cell (Natural Killer Cell)?

Natural Killer Cells (NK cells), as the frontliner of innate immunity, are powerful natural defenses. Their main roles are to recognize and attack cells that are harmful and abnormal in our body. They can identify and kill cancer cells, eliminate our own abnormal cells, and cure microbial infections and viruses.

NK Cell Therapy NK 면역세포치료

Using the patients' own immune cells, we activate and reproduce the NK, NKT, and T cells extracted from their body.

Treatment procedure

- Minimum amount of blood drawn
- Cell cultivation for immune cell proliferation within 14 days
- Collection of highly efficient NK, NKT, and T cells combined
- Infusion of the activated immune cells through intravenous injection
- Can be combined with the 3 conventional cancer therapies including surgery, radiotherapy, and chemotherapy
- Effective treatment for cancer, immune suppression, pain and aging



- 1 Peripheral blood collection (60cc)
- 2 Immune cell extraction
- 3 Activation
- 4 Reproduction
- 5 Harvesting & safety / QC test
- 6 Intravenous injection

MYJ1633 Patented Technology

MYJ1633 is a high-end, personalized NK cell therapy that is safe and effective as certified and verified by the Ministry of Health, Labor and Welfare in Japan with strict regulations. There are no artificial processes or substances added throughout the separation and cultivation of immune cells.

Why is MYJ1633 special?

Highly activated NK cells secrete activated molecules to prevent infectious diseases and cancers

Increases NK cells by 500-2000 times

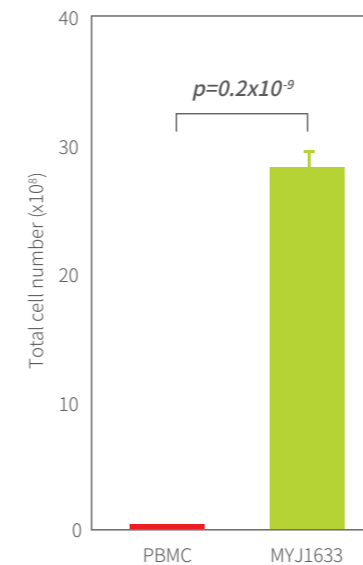
Optimum cytotoxicity of up to 90% for killing cancer cells

Best mixture of NK, NKT, and T cells

No side effects such as immune rejection reaction

Results

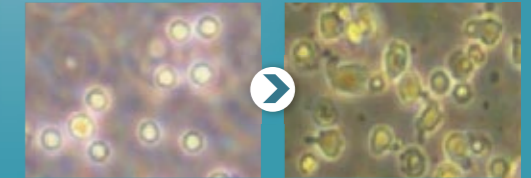
Experimental scheme and total cell number of MYJ1633 following ex vivo expansion. After 2 weeks of culture, increased approximately 140-fold (2×10^7 vs. 2.8×10^9 cells)



Cancer Treatment with Highly Activated NK Cells

Before activation

Our body naturally contains NK cells that are capable of killing cancer cells. However, the strength and small number of these NK cells are not able to fully eliminate all of the cancer cells.

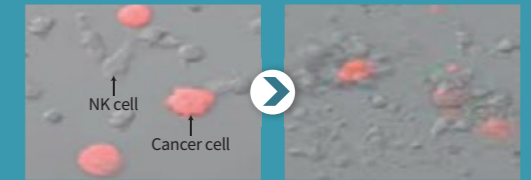


NK cells approach cancer cells

NK cells attack cancer cells

After activation

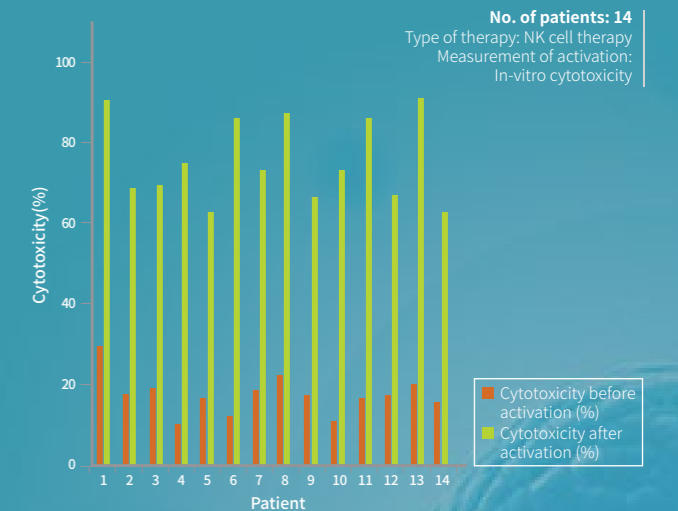
NK Cell Therapy increases the number of cells by 500 - 2000 times, maximizing our body's ability to detect and kill cancer cells effectively.



Activated NK cells approach cancer cells

Activated NK cells attack cancer cells more effectively

Clinical Results with High Cytotoxicity



The in-vitro cytotoxicity after the activation of NK cells reaches a value of at least 62.5 and peaks with 90.3 under optimal conditions. Cytotoxicity directly influences the immune cells' ability to kill abnormal or cancer cells.