REVEALING YOUR IMMUNE SCORE, DEFINING YOUR CARE.
You have a colon cancer, what are the standard care steps for colon cancer?

You have just been diagnosed with colon cancer and the doctor explained to you the necessity of surgery, to remove the tumor.

You undergo surgery to remove the tumor and stops its progression.

At this point, Immunoscore® can be used in Stage II and Stage III patients to assess their immune response. The results will help doctors and patients make better decisions on the next steps required.

After surgery, the medical team will analyze your resected tumor and will be able to identify the stage of your disease.

Your doctor will suggest to you an appropriate therapeutic strategy.
How does your doctor assess the stage of your disease?

After the surgery, your doctor will use a tool named “The TNM classification” to assess the severity of your disease.

This classification is based on three criteria:
- **T**: Extension of the tumor
- **N**: Spread to the lymph nodes
- **M**: Presence of metastases in other organs

Based on 3 criterias above, 5 cancer stages (0 to IV) are determined and correlated with an associated risk of recurrence following surgery. This information will help guide your doctor’s choice of treatment.

Although this classification is widely used, some patients with the same classification have a different progression of their disease. This tool needs to be improved.

The immune response is now recognized by World Health Organization as an essential and desirable new element that predicts the evolution of cancer and, thus, complement the current TNM classification in assessing the risk of recurrence.
What is the immune system?

The immune system defends our bodies against infections and diseases. There are different types of immune cells:

- Immune cells that seek unhealthy cells or foreign substances.
- Immune cells that send messages to other cells in the body about an attack.
- Immune cells that attack and destroy the micro-organisms that cause infections, or abnormal cells.

This is known as the IMMUNE RESPONSE
How can your immune system help you in the fight against cancer?

When your body detects a tumor, all your immune cells will alert and start working together against cancer cells, this is called the immune response.
First of all, immune cells will send messages to **mobilize** all actors of immune response.
Then, they will liberate chemical mediators to **destroy** cancer cells.

The immune response is different for each patient, and this determines the progress of the disease.
That’s why it is so important to assess the **immune system’s ability** to defend itself against **tumor cells**.
Recently, a large international clinical study, carried out on colon cancer patients, has shown that:

**50% of prognosis is explained by Immune Response.**
What is Immunoscore®?

Immunoscore® is the only diagnostic test that assesses the immune system’s ability to defend itself against tumor cells and provides you with a clear and accurate answer about your risk of relapse. Assessing your body’s ability to fight your cancer helps the medical team to define a personalized therapeutic treatment perfectly appropriate to you.

How does it work?

Only Immunoscore® can provide a standardized and personalized score capable of reflecting the immune response to the tumor. There are two categories of Immunoscore® result: High and Low.

If your Immunoscore® is high:
Many killer immune cells have infiltrated your tumor and are attacking tumor cells. Your risk of relapse is low.

If your Immunoscore® is low:
Few immune cells are present in your tumor. Your immune system alone is not armed enough to fight your cancer. Your risk of relapse is therefore increased.
If your cancer is stage II

Your tumor is localized. Based on the TNM classification and clinicopathological parameters, your doctor will opt for either surgery alone, or adding chemotherapy to the surgery. By using Immunoscore®, you and your doctor will benefit from previously unavailable information that will better assess your risk profile and determine the best personalized treatment strategy.

If your cancer is stage III

Your cancer is more advanced, and you will need to be treated with chemotherapy. Immunoscore® will help your doctor determine the most appropriate duration of chemotherapy for your situation.

The objective of Immunoscore® is to optimize your cancer’s care, and to adapt the therapeutics strategy to your personal situation.
When and how to perform your Immunoscore®?

If your doctor wants to order the Immunoscore®, the hospital will send part of your sample – reserved after your surgery - to the HalioDx laboratory so that it can be analyzed.

*NO additional intervention on your part is necessary to perform an Immunoscore® test.*
List of questions to address to your oncologist to help you understand your options:

When will I find out what stage the cancer is? (What size it is and whether it has spread)

What follow-up appointments will I have and what will they be for?
What is my immune score? What is the implication on the therapeutic management of my cancer?

Will I need any further treatment? If yes, when will this start?
Will you send details of my treatment (called a treatment summary) to my GP? Can I have a copy?

What support is available after surgery?
For more information, talk to your doctor
For additional help in understanding colon cancer and your treatment options visit:
globalcca.org or fightcolorectalcancer.org
or download ESMO/ACF Patient Guide for colorectal cancer:
esmo.org/Patients/Patient-Guides/Colorectal-Cancer
For physicians and patientsmore information available on our website