



Progetto POLARIS

Moreno Crotti Partel

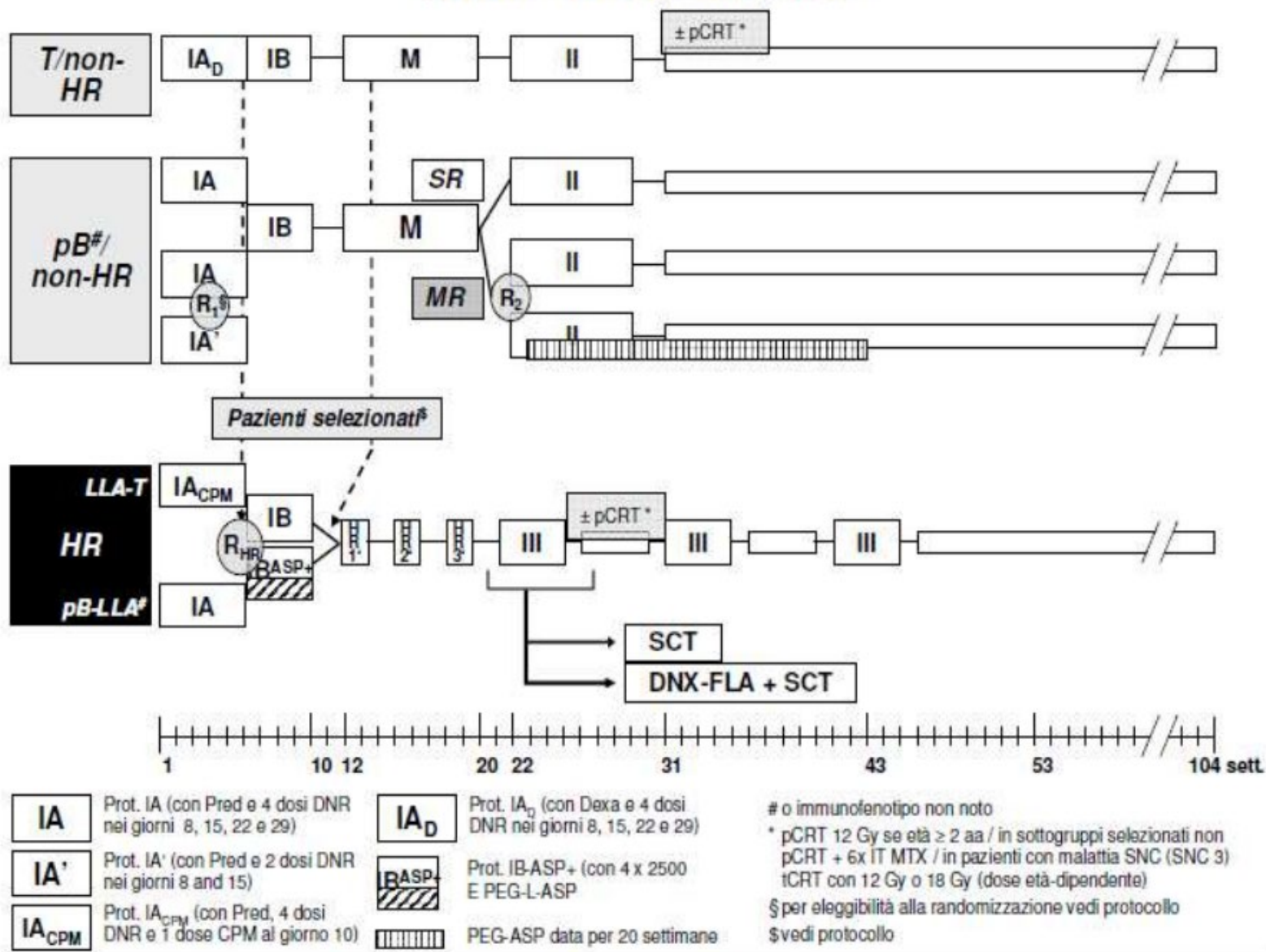
Asst Spedali Civili di Brescia/Università di Brescia

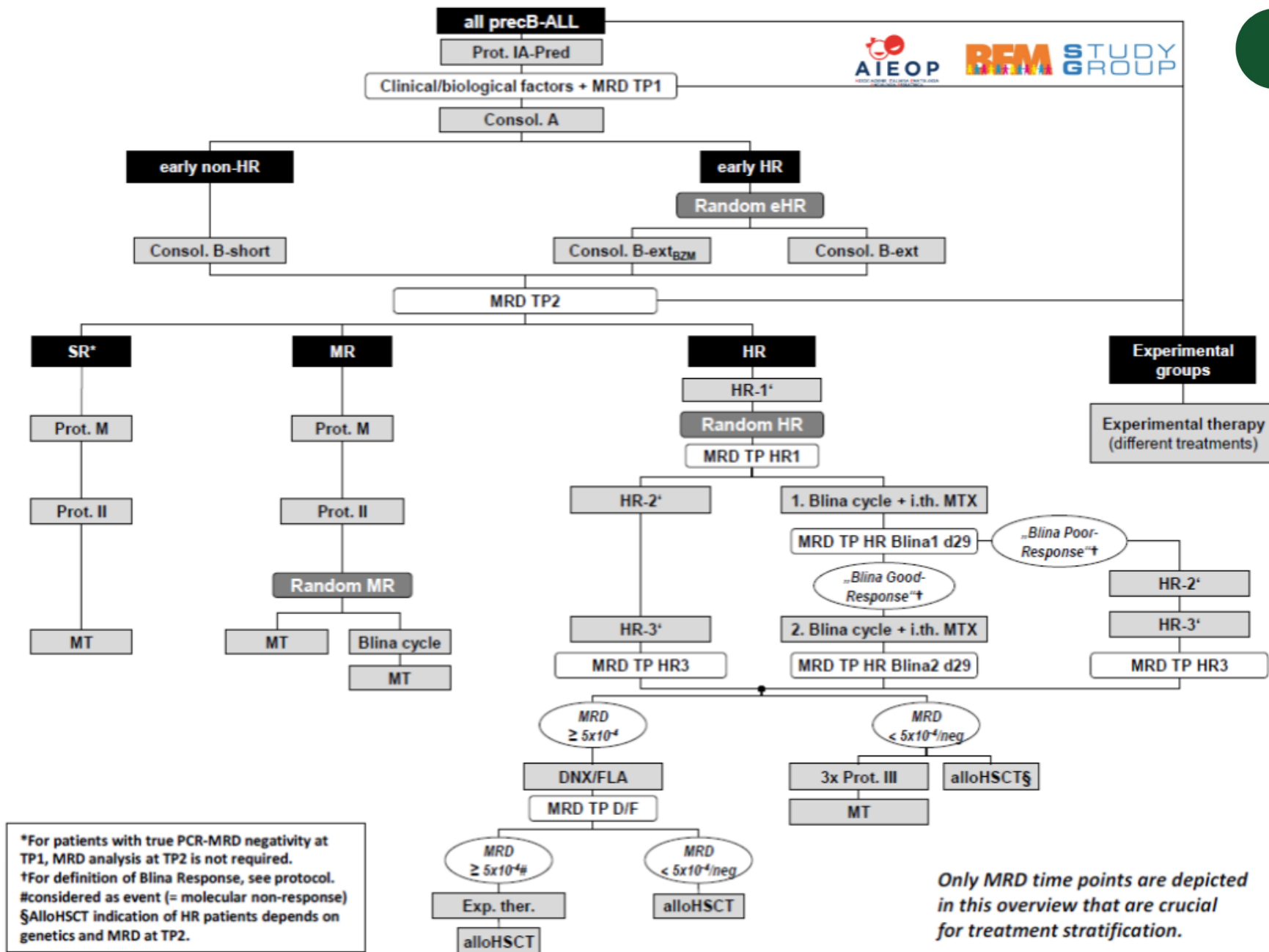
*Protocollo di
trattamento...*

!&^!£#1@



AIEOP-BFM LLA 2009





POLARIS PROJECT

Patient/parent/caregiver cOmmunication tools to clarify L_eukemia
treAtment and provide R_elevant I_nformation to S_uport Recovery



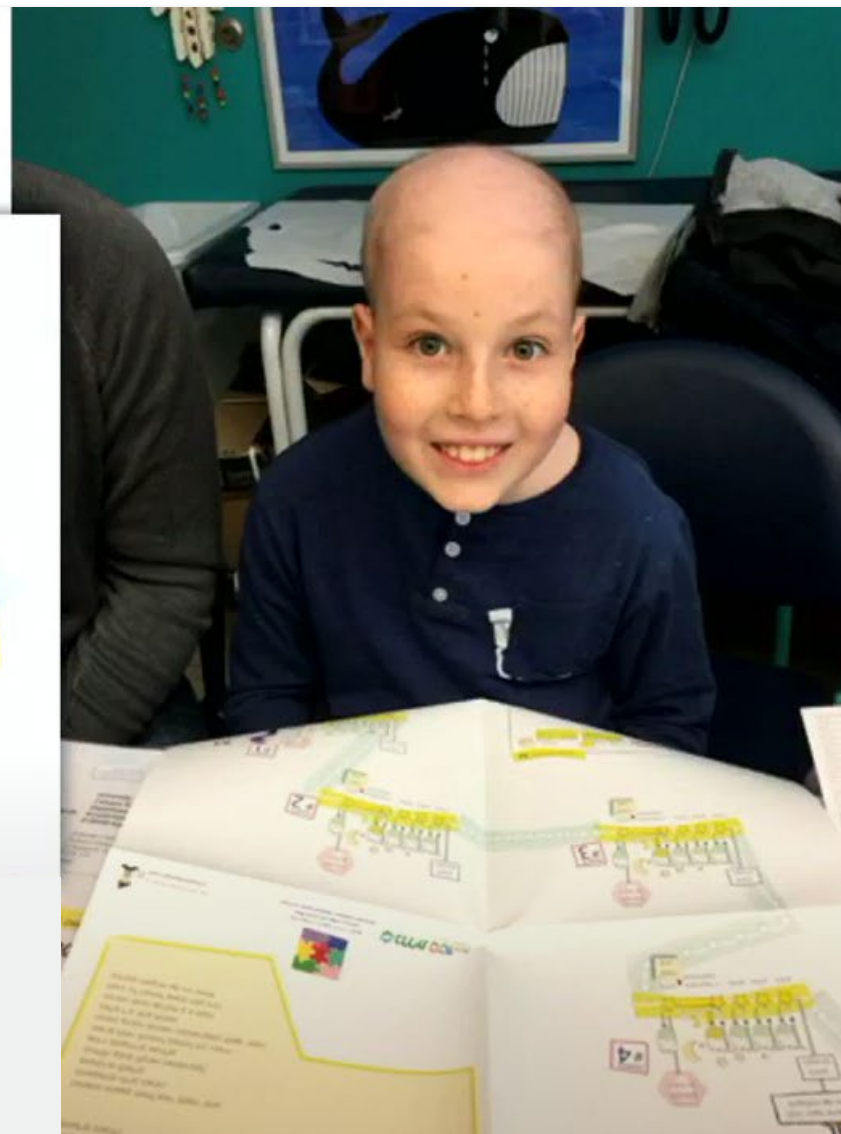
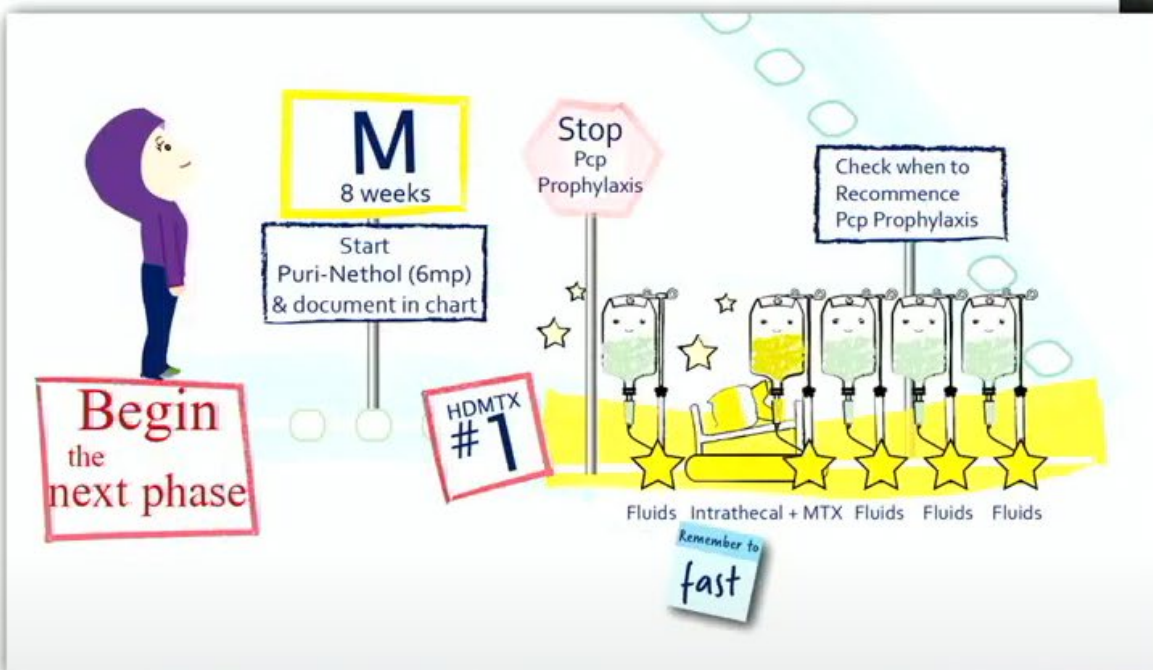
Invent and design -
Zohar Shalev
A Mother
of a Cured Child
& a designer

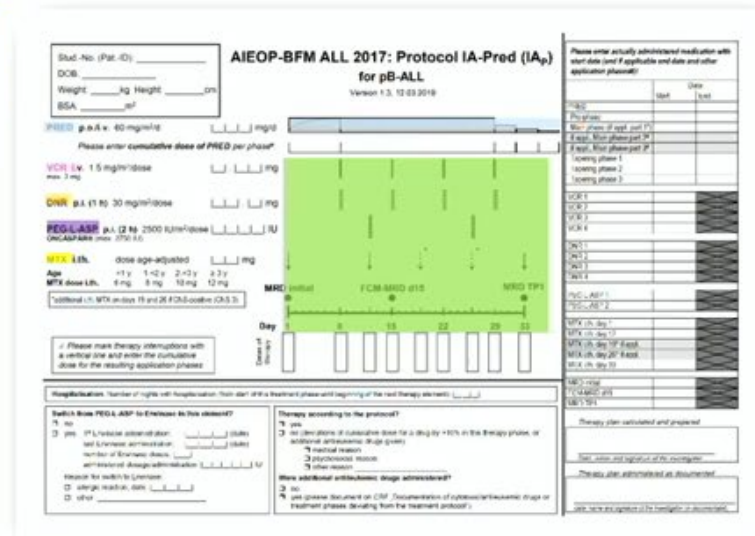


Development & medical advisor -
Dr. Gil Gilad
A senior physician

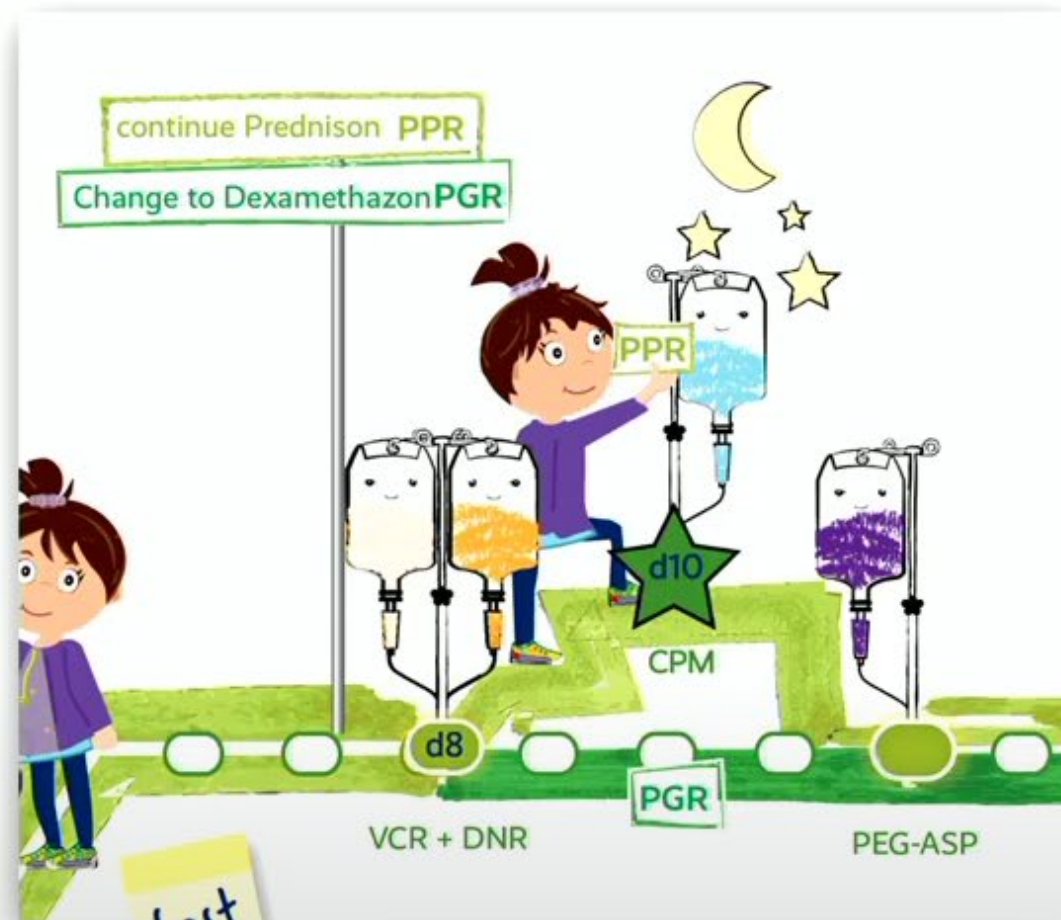
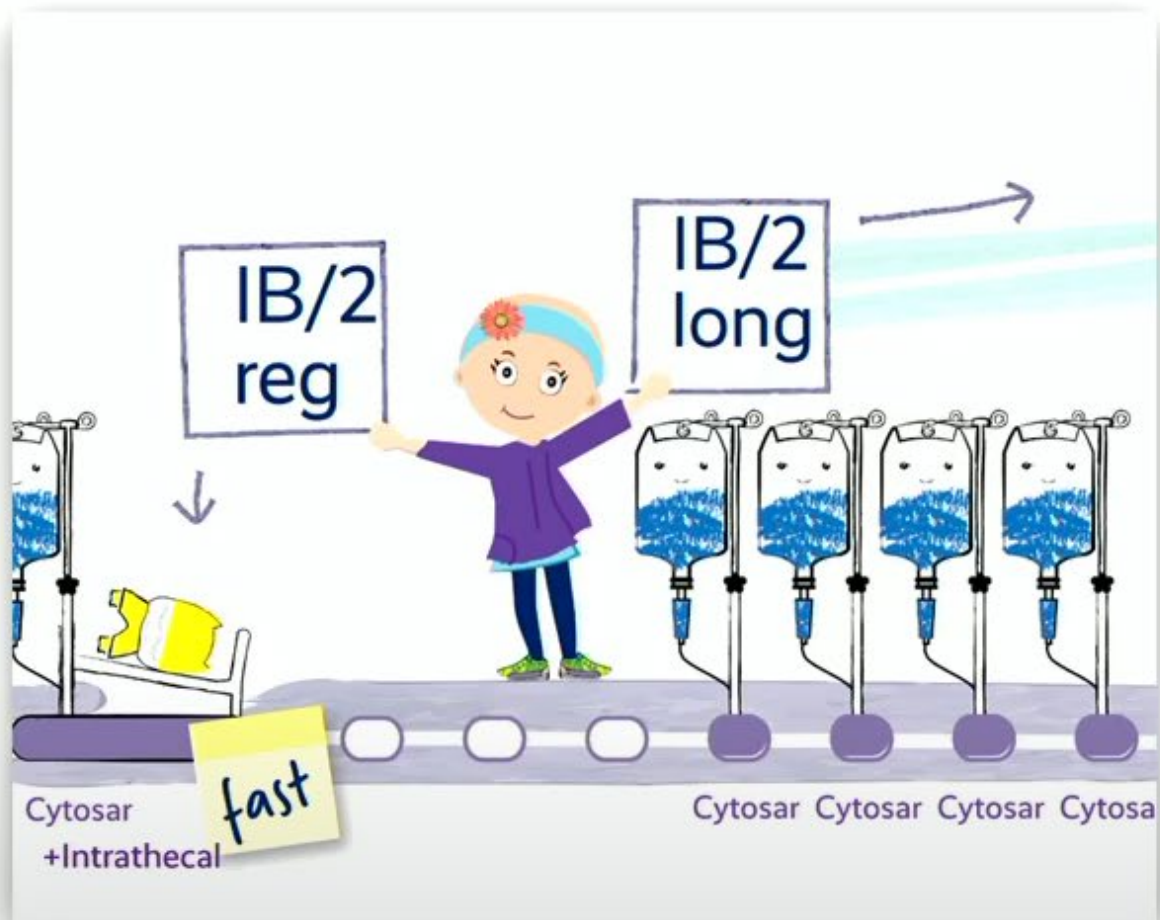


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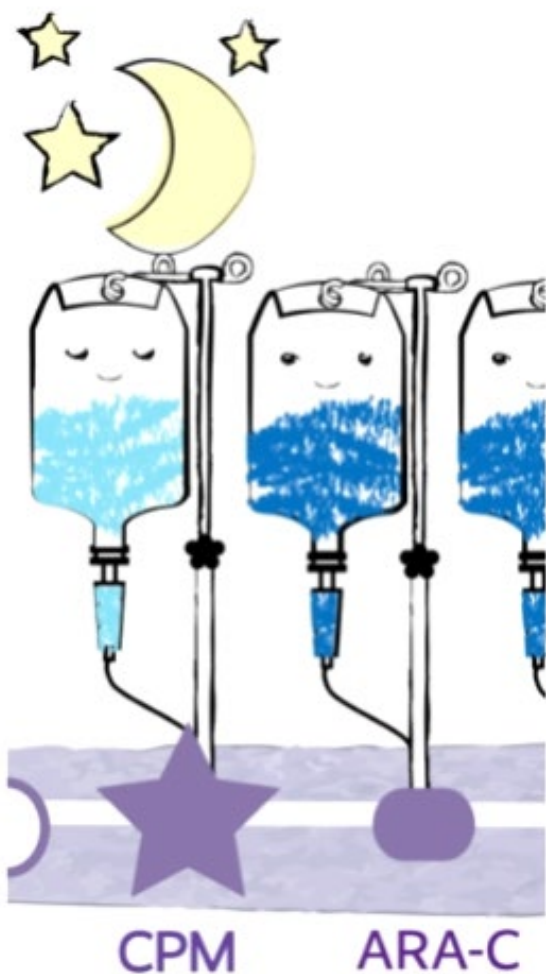




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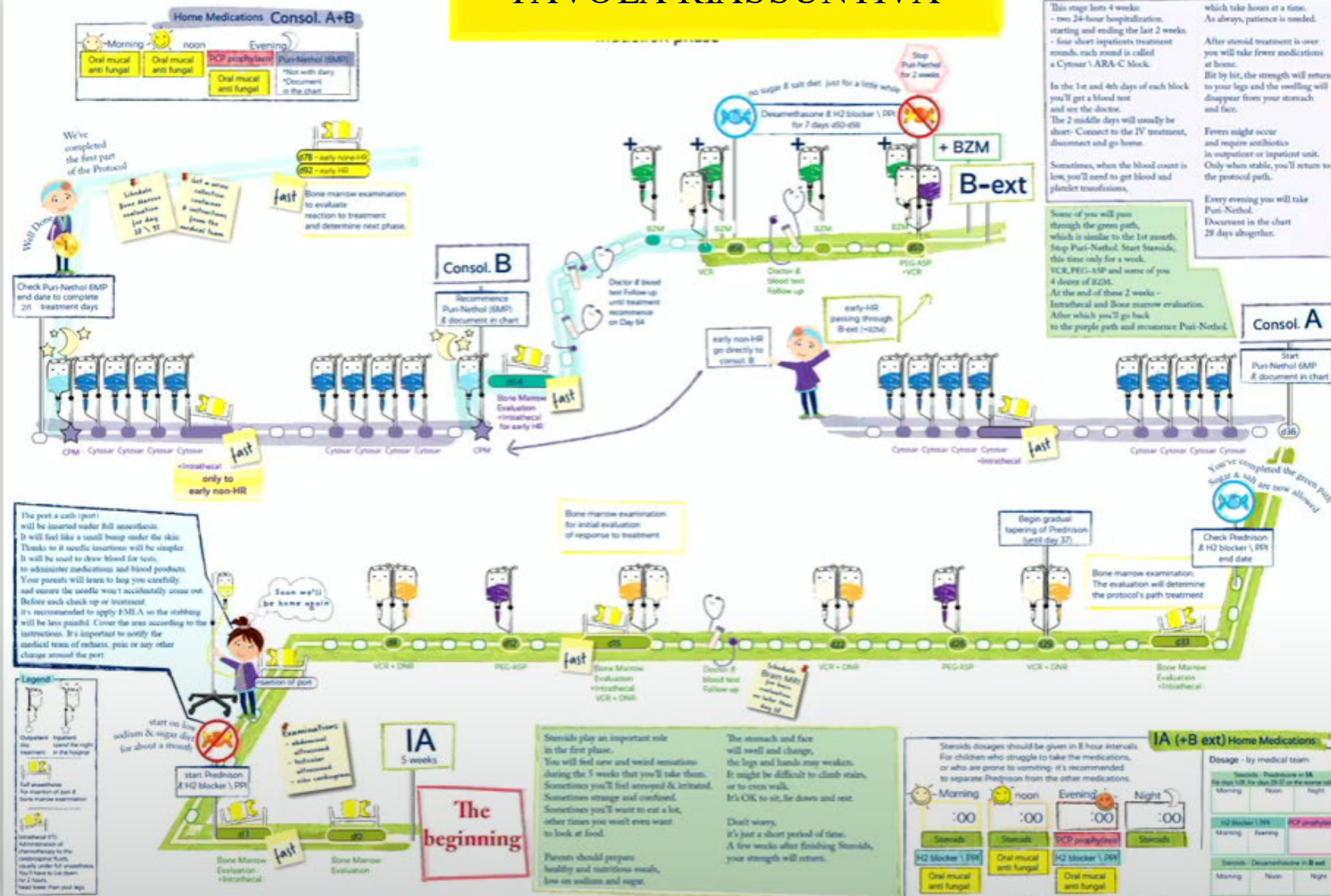


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TAVOLA RIASSUNTIVA

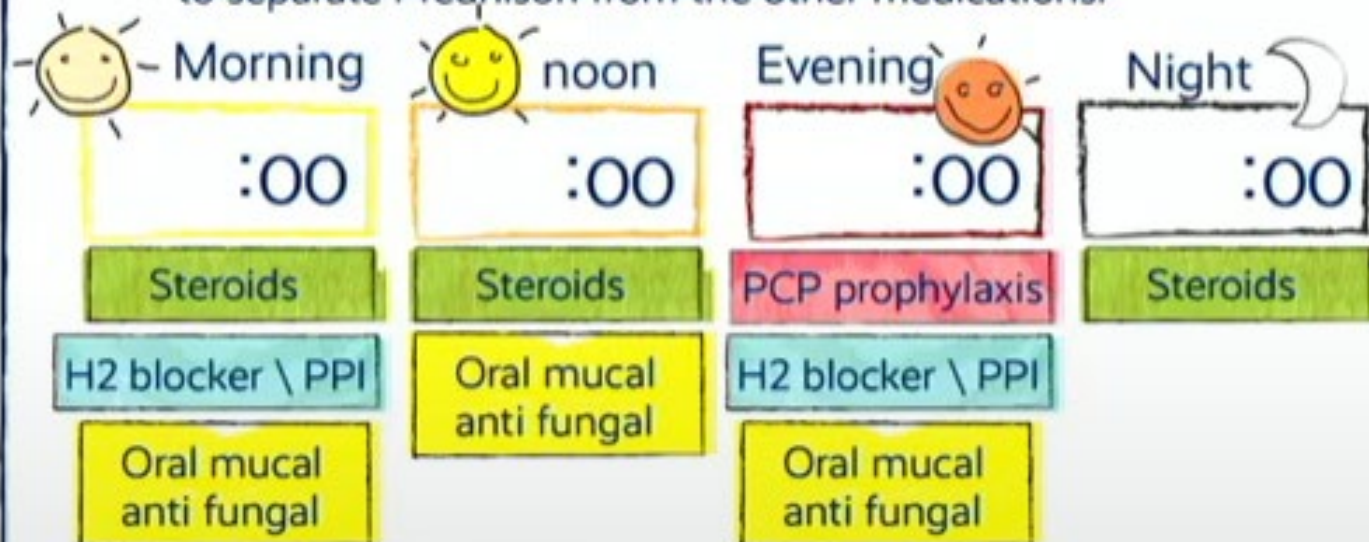


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IA (+B ext) Home Medications

Steroids dosages should be given in 8 hour intervals.
For children who struggle to take the medications,
or who are prone to vomiting- it's recommended
to separate Prednisone from the other medications.



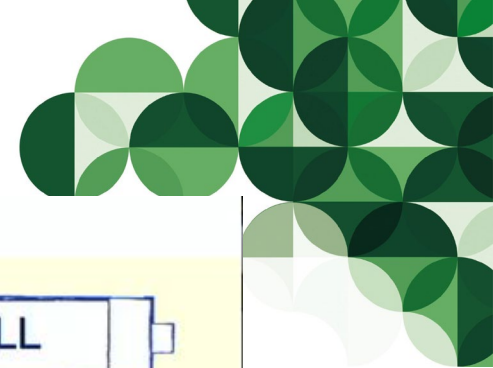
Dosage - by medical team

Steroids - Prednisone in IA
For days 1-28. For days 29-37 on the reverse side

Morning	Noon	Night

H2 blocker \ PPI		PCP prophylaxis
Morning	Evening	

Steroids - Dexamethasone in B ext		
Morning	Noon	Night



Terapia Domiciliare

- Informazioni sulla modalità di assunzione
- Schemi Terapeutici
- Gestione cortisone

Medications at home - Induction phase B-ALL

Protocol IA

Prednisone
Taken in 8 hour intervals.
Taken with food.
Low sodium & low sugar diet is recommended.

H2 blocker \ PPI
Every morning and evening, as long as Prednisone is taken.

Protocol Consol. A&B

Puri-Nethol (6mp)
Chemotherapy pills, taken in the evening or before bed time.
Do not take with dairy.
Advisable to handle pills with gloves.
Pills can be cut in half, but do not crush,

Tapering Down Prednison in IA
Dosage for days 29-37
Dosage for days 1-28 on the reversed side

Day	Date	Morning	Afternoon	Night
29				
30				
31				
32				
33				
34				
35				
36				
37				

surveillance Puri-Nethol (6MP) administration

	Date	Dosage
1		
2		
3		
4		

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INFORMAZIONI

Invito alla lettura

Protocollo raccontato come

Igiene mani

Effetti Collaterali

Valori ematici

Hello,
You're now starting the route to recovery from acute lymphocytic leukemia (ALL).
It's a challenging journey, for both you and your child.
Throughout this journey, you will discover super-powers within you and your child, which will help you be strong and supportive.
We're here - for you and beside you.

My name is Zohar Shalev.
When my daughter was 4, she was diagnosed with ALL. She underwent treatment at the Schneider Children's Medical Centre and Israel.

Following the experience we went through, I designed this protocol path for you. To ease, even if only slightly, the journey you're about to begin. It's dedicated to you with love and wisdom for recovery.

It has a long name - **The Protocol**
The "Protocol" is the treatment's guideline.
Along the way, complications and unexpected hospitalizations may occur: reactions to treatment, fever and infections. Each such occurrence could delay the treatment, and even derail from the Protocol. When possible, you'll return to the Protocol or to an adjusted one.

Hello
My name is Lily
I'd like to join and guide you on your route to recovery.

A few things you should bring along

- Faith** in yourselves, your strength to heal, in medications that cure, in doctors and nurses and in everything you believe in.
- Patience** Especially - when it's difficult, when it hurts, while fasting, while waiting in line.
- Once in a while take a deep breath** (with a sigh, perhaps) - it usually helps, especially before an examination.
- Movies**, books, games & tablets, help as well.

It's a long way to heal from cancer.

In the beginning there were lots of treatments.
I didn't go to kindergarten.
I didn't see my friends.
I went to the clinic instead, almost every day.
I met new friends there: Doctors, nurses, caregivers, receptionists, volunteers, janitors, cinderellas and fairies, fuzzy chowns, the other children's' moms and dads. I got lots of presents, I played in the playroom, there were cooking and crafts activities.
My body changed a bit.
My hair fell out, my face and stomach swelled, but don't worry - it all returns to the way it was before.
I learned what the blood cells do, the red and white ones and the platelets. I was home a lot, with my parents and immediate family, I saw tons of movies, I spent lots of time resting in bed.

There was constant concern that I might catch all sorts of infections.
I learned to protect myself with these -

Instructions for kids

- Wash hands before eating, & after using the bathroom.
- Don't touch dirty things.
- Avoid touching soil and sand.
- Keep away from contagious people and coughs.
- Play close attention to fever.
- Prevent falls and injuries.
- Brush teeth.
- Keep fingers away from mouth.
- Avoid sun exposure and if in sun-protect yourself with sunscreen, long sleeves & a hat.

After two years and a bit, I was cured. Now, only on rare occasions, I need to get a blood test. Sometimes I go for a check-up at the clinic, happy to visit, to meet everyone again, to see what's new, and to think back about the time when I was sick.

I went through all the treatment stages in the hospital and continued to the "maintenance phase". I returned to kindergarten, started school.
I took medications at home and we continued to conduct ourselves carefully.

Side effects during the treatment period

- Bone marrow suppression** - Causes decrease in blood count; Anemia - weakness, dizziness, lack of appetite, fatigue, headaches, and paleness. Thrombocytopenia - bleeding and bruising. Neutropenia - which makes the patient more susceptible to infections.
- Diarrhea** - Ensure that your child drinks enough and maintains a suitable diet. Protect the skin of perianal area and buttocks, consult the team regarding the need of stool cultures (mandatory in case of bloody stool).
- Constipation** - frequently seen following Vincristine. It's recommended to maintain softer stools, once per day, in order to prevent lesions and pain, anal sensuous and rectal hemorrhoids.
- coagulation studies, renal function test, liver and pancreatic enzymes** - Can be affected, thus monitored through routine blood tests.
- Oral lesions and Candidiasis** - might appear despite oral mucal Candidiasis preventative medication. Maintain dental hygiene - gently brushing teeth using a soft toothbrush and rinsing mouth with an alcohol-free mouthwash or salt water. Avoid acidic foods.
- Lack of appetite** - anorexia, nausea, rejecting foods due to taste changes and sensitivity to smell are all causing loss of appetite. Consult your doctor in case of significant weight loss.
- Nausea and vomiting** - Take Zofran \ Setron as guided. Avoid unpleasant odors. It might be helpful to keep your child busy to distract from the nausea. Ensure that your child drinks enough and is capable of taking medications.
- Hair loss** - can occur in stages or all at once, occasionally affecting the eyelashes and eyebrows as well. Hair may grow and fall out alternately and will grow again once the treatment is done.
- skin changes** - Skin color may change and get darker. Sun protection is mandatory. Consult your physician in case of rash or itching.
- In rare instances, **seizures** may occur.

Standard Risk (SR) Medium Risk (MR) High Risk (HR)

Maintenance phase: integrate into daily life routine

During treatment the child is more susceptible to infections. It's important to maintain good hygiene and to avoid exposure to infections and diseases.

Instructions

- Wash your hands diligently: When you get home, before preparing food, after using the bathroom.
- Attend crowded events only with permission of treating physician.
- Food - Avoid store-bought food and eating in public places.
- Wash fruits and vegetables with water and soap.
- Air out the house, especially when visitors are present.
- Avoid crowded places (such as a mall or a movie theatre).
- Keep the bathroom and kitchen clean.
- Avoid contact with people who are contagious.
- Limit number of visitors at any given time.
- Avoid areas that are under construction as it might cause fungi infections.

During the treatment and until 3 months past the end of the maintenance: if there's a fever or you're not feeling well, you immediately call the doctor or the clinic. You explain what's going on and follow the instructions. If necessary, you go to the clinic or ER. And sometimes, be prepared, you might also have to be hospitalized for a few days.

The blood count

Parameter	Unit	Normal Range	Abnormal Range	Notes
White blood cells that protect the body	WBC	> 4000	< 4000	Neutropenia. In case of fever you'll be hospitalised
Neutrophils	NEUT	> 500	< 500	Blood transfusion is required
Hemoglobin	HB	> 8.5	< 8.5	PLT transfusion is required
Platelets	PLT	> 10000	< 10000	PLT transfusion is required with fever
			< 20000	PLT transfusion is required with bleeding signs
			< 50000	

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Zohar Shalev

Dr. Gil Gilad



מרכז שניידר לרפואת ילדים בישראל
מרקס שניידר לרפואת ילדים בישראל
Schneider Children's Medical Center of Israel



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Project Owner
Coordinator
Medical Oversight

Director of Visual Language (IP Rights)
Project leader for creative elements
Designer of the protocols' illustrated maps



Patient input
Specify family needs
Support integration with the local parent
organizations partners



Support design & digital tools development
(including the website)
Content creation, co-creation or re-writing
Translation implementation

With the support of



A Global Pharmaceutical Group, Governed by a non-profit Foundation.
With a workforce of about 22,000 in 149 countries, Servier helps to finance and distribute the Polaris deliverables and has no
Influence on the content and the details of the communication tools.

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Dec 2022



2023

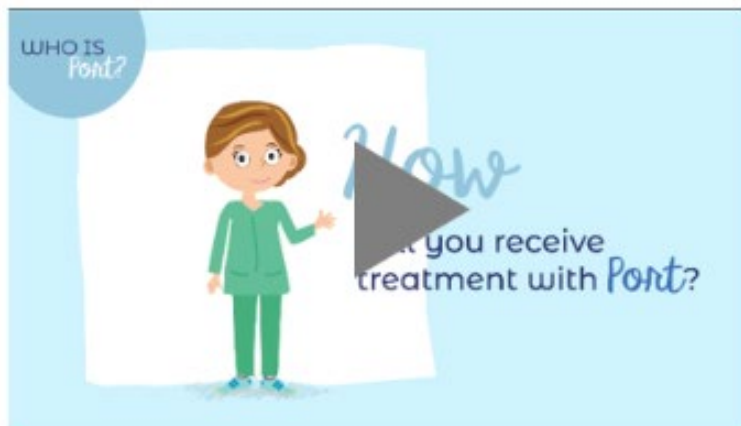
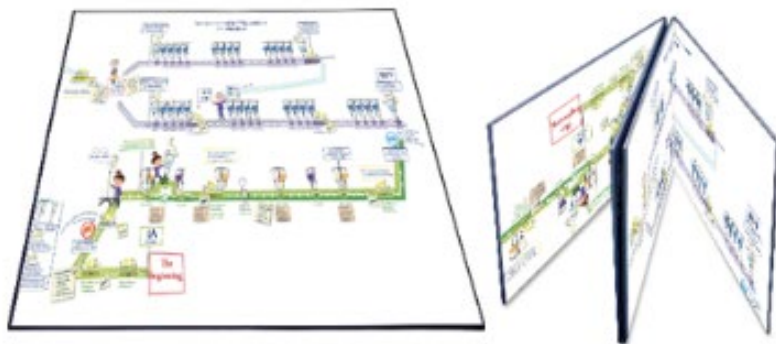
ENGLISH VERSION
READY

TRANSLATION TO
MULTIPLE LANGUAGES

DISSEMINATION TO
EUROPEAN COUNTRIES

The Polaris in-clinic boards and website

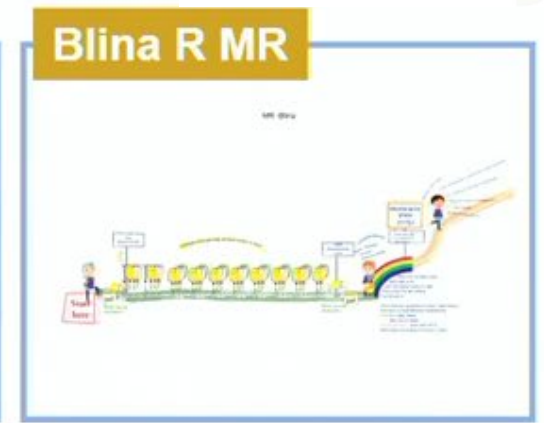
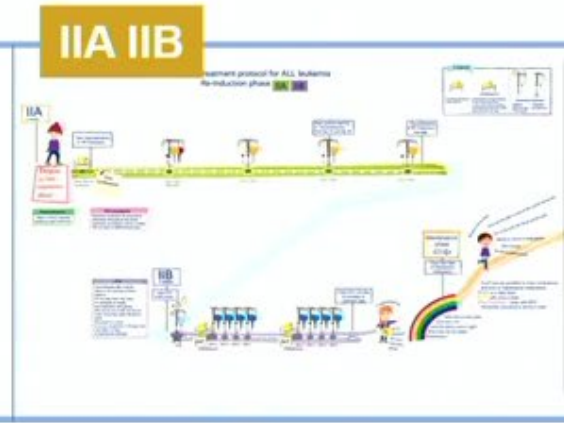
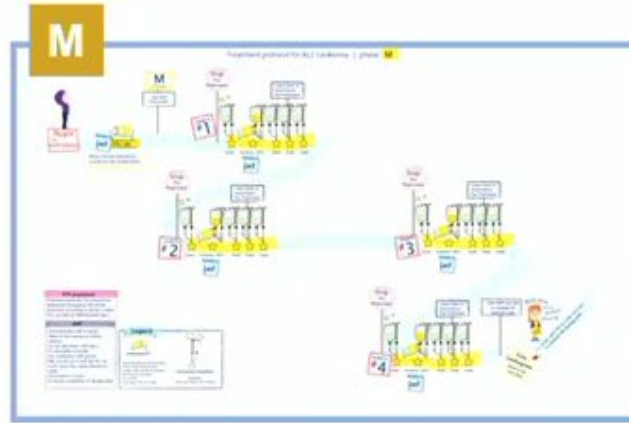
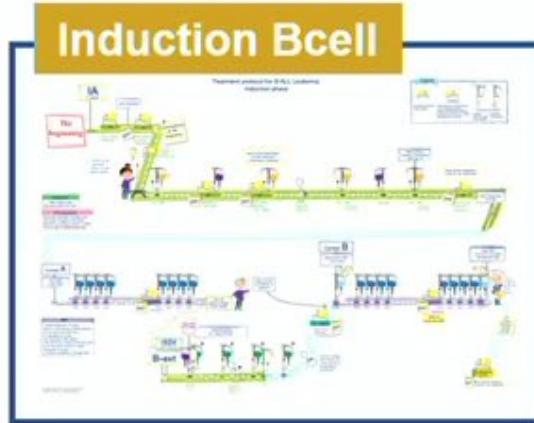
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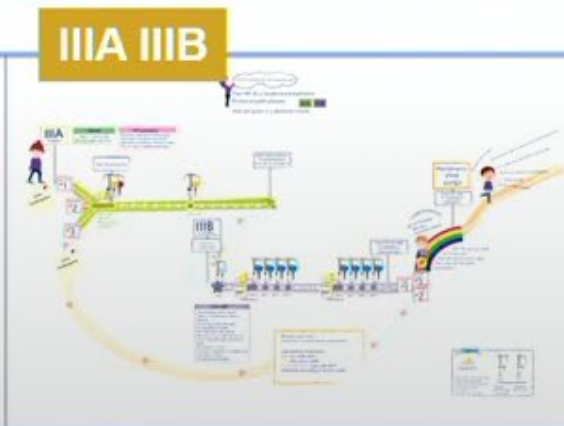
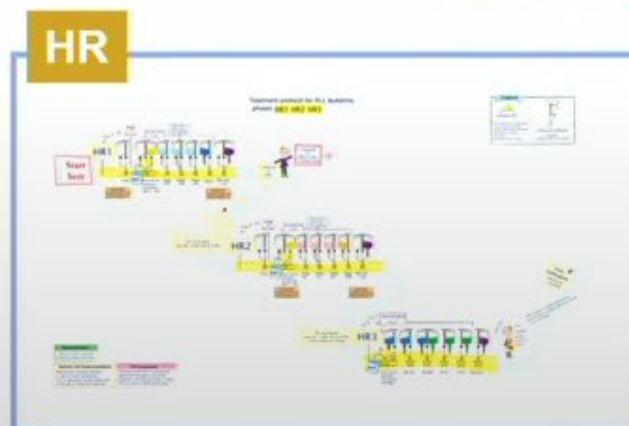
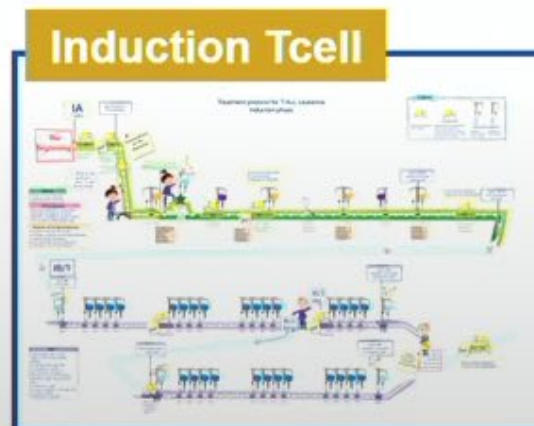
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The BFM Protocol board has been finalised



Current division



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The results showed that I had

LEUKEMIA

Recovering from leukemia is a long journey on a special path, that was chosen especially for you by your doctors. It's called the protocol

And I did it and so can you!

[NEXT](#)

[GO TO ROADMAP](#)

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But what
with you

Here are

Be **Confident** that

Your **body** is able to get better (it's true!)

Your **family** is here for you

Your **treatments** have been carefully chosen and are going to work.

Your **doctors and nurses** are the best helpers in the world

Be **patient**

Have fun

Take a **deep breath**

NEXT >

GO TO ROADMAP

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Kids Corner

What is leukemia?

Red blood cells Platelets White blood cells

What is a bone marrow evaluation?

What is randomization?

Standard arm R New arm

What is central venous line?

Start Prednisone

Kids Version

Rev

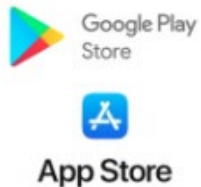
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Progetto Piccoli Eroi





Digita «**PICCOLI EROI**» nello spazio
cerca App e scarica/ottieni





GDL Infermieristico AIEOP

Scopri di più su questo canale >

 **Iscritto** 

HOME

VIDEO

PLAYLIST

COMMUNITY

CANALI

INFORMAZIONI



LE TERAPIE

6:32

COSA SONO I TUMORI

7:14

L'ANTICORPO MONOCLONALE

9:33

LA SPERIMENTAZIONE CLINICA

5:14

LE TERAPIE



COSA SONO I TUMORI



L' ANTICORPO MONOCLONALE



LA SPERIMENTAZIONE CLINICA

