



**CLL SOCIETY**

*Smart Patients Get Smart Care™*

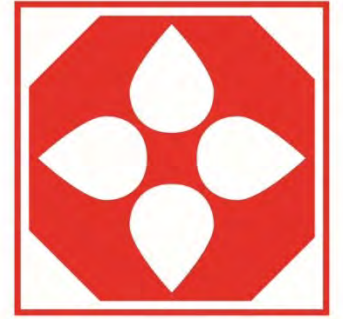
# 5<sup>th</sup> Annual Patient & Caregiver Ed Forum

November 9, 2021

4:00 PM PT, 5:00 PM MT,  
6:00 PM CT, 7:00 PM ET



This program was made  
possible by grant support  
from



CLL SOCIETY

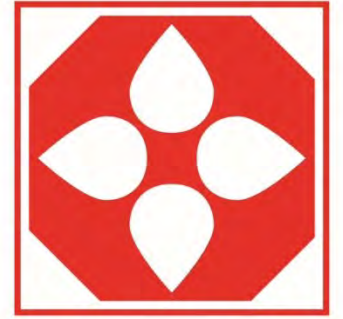
**Adaptive**  
biotechnologies™

**Genentech**  
*A Member of the Roche Group*

**Janssen**  
PHARMACEUTICAL COMPANIES  
OF *Johnson & Johnson*

**pharmacyclics®**  
An AbbVie Company

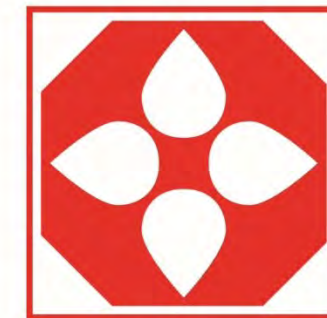
# CLL Society Programs and Resources



CLL SOCIETY

- CLL Society Patient & Caregiver Support Groups
  - SLC CLL Support Group: Meets 2<sup>nd</sup> Wed. monthly @ 7pm, [sign-up online](#)
- Webinars / Virtual Community Meetings
- Expert Access™ Program – Free, online, 2nd opinion from a CLL expert physician
- Weekly Alert Emails
- COVID-19 & CLL Updates, Expert Interviews & Conference News
- Ask the Expert
- Patient Centric Research
- Test Before Treat™ Campaign

# Huntsman CLL Team: Providers

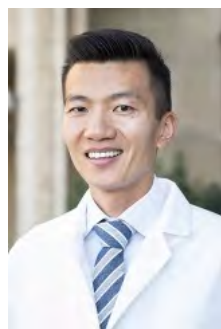


CLL SOCIETY

## Doctors



Deborah Stephens



Boyu Hu



Harsh Shah



Lindsey Fitzgerald



Ahmad Halwani

## Advanced Care Practitioners



Renée Vadeboncouer



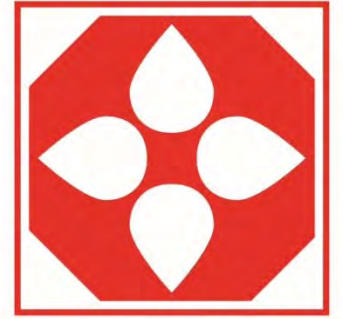
Jessica Coon



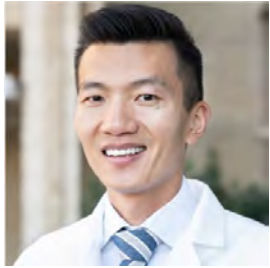
Brynn Parsegov



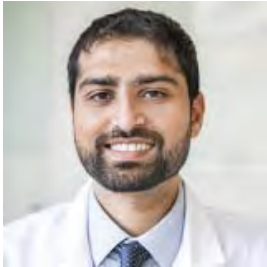
# Agenda, Speakers, and Moderator



CLL SOCIETY



Boyu Hu, MD



Harsh Shah,  
DO



Deborah  
Stephens, DO



Lindsey  
Fitzgerald, MD



Doreen  
Zetterlund



Brian Koffman, MDCM  
(retired), MS Ed

## Agenda

5:00 PM MT	Program Welcome and Overview	Drs. Koffman and Stephens
5:05 PM	CLL Basics: Diagnosis, Staging, Watch & Wait	Boyu Hu, MD
5:20 PM	CLL Treatments: Chemotherapy, Immunotherapy, and Targeted Agents	Harsh Shah, DO
5:35 PM	Clinical Trials and New Advances for Patients with CLL	Deborah Stephens, DO
5:50 PM	Navigating COVID-19 for Patients with CLL	Lindsey Fitzgerald, MD
6:05 PM	The Patient Experience: Becoming Your Own CLL Project Manager	Doreen Zetterlund
6:15 PM	Audience Q&A	All Speakers
7:00 PM	Program Close	Brian Koffman, MDCM (retired) MS Ed

---

# CLL Basics: Diagnosis, Staging, Watch & Wait

CLL Symposium 11-9-21

Boyu Hu, MD

Assistant Professor, Division of Hematology and Hematologic  
Malignancies, Department of Internal Medicine

Huntsman Cancer Institute / University of Utah

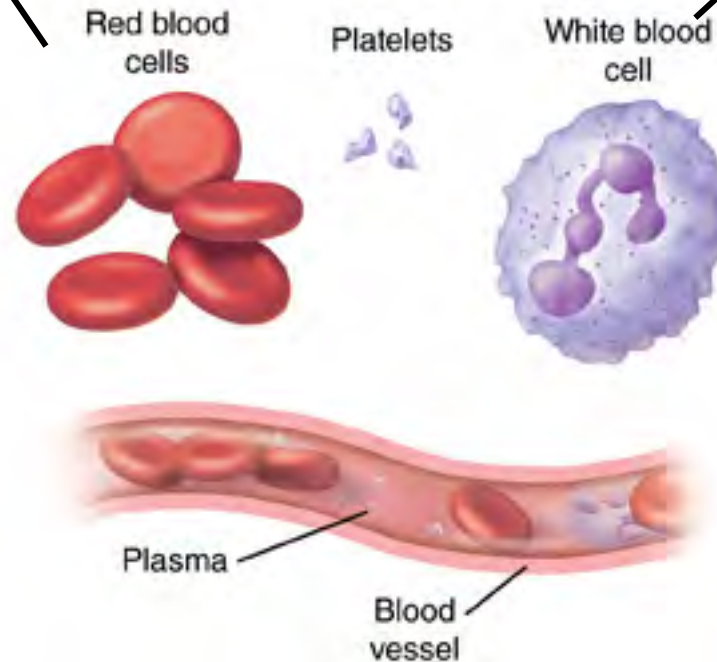
# What is CLL?

- (Usually) slow growing blood cancer

RBC = Carry Oxygen  
Low RBC = Anemia

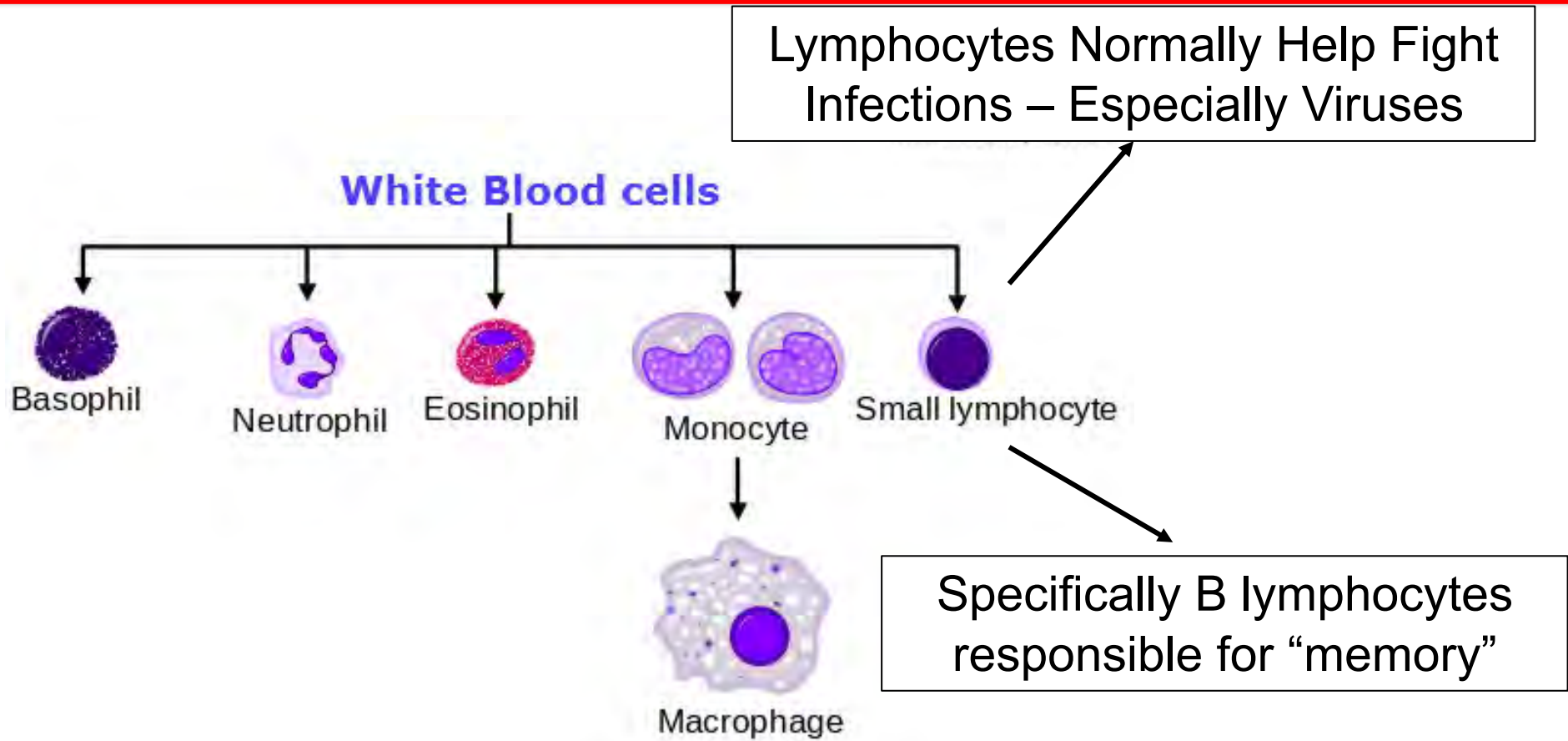
Platelets = Make Blood Clots  
Low platelets = Thrombocytopenia

WBC = Fight Infections  
CLL is a Cancer of a Type of WBC



# What is CLL?

- CLL is a cancer of lymphocytes





# What is CLL?

---

- CLL is the most common adult leukemia.
  - One third of new leukemia cases
- In 2019, American Cancer Society estimates:
  - 20,940 new cases of CLL
  - 4,510 deaths from CLL
- Average person's lifetime risk of getting CLL is 1:175
- Average age at diagnosis is 70
- More common in men (2:1)

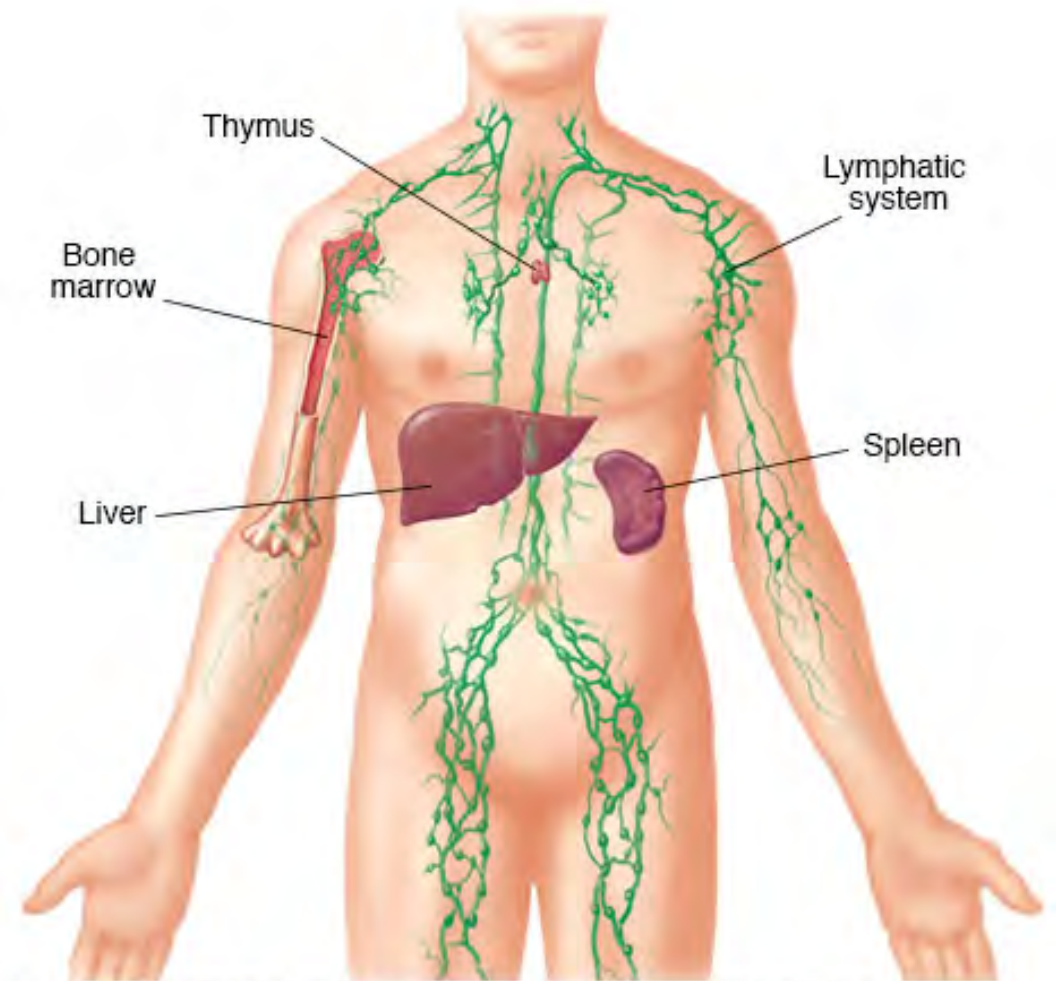
# Typical Clinical Course

---

- Prolonged periods with no symptoms
  - 40% of patients are diagnosed because of an unexpected finding on routine blood work
- Initial Symptoms
  - Lymph node swelling
  - Fatigue
  - “B” symptoms (fevers, drenching night sweats, weight loss)
- Findings on exam
  - Enlarged lymph nodes
  - Enlarged liver and/or spleen

# What Are Lymph Nodes?

- Part of the **lymphatic system**
- Vital part of the immune system
- Contains WBCs
- Transports infection-fighting WBC to site of infections
- Body has 500-700 lymph nodes



© MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH. ALL RIGHTS RESERVED.

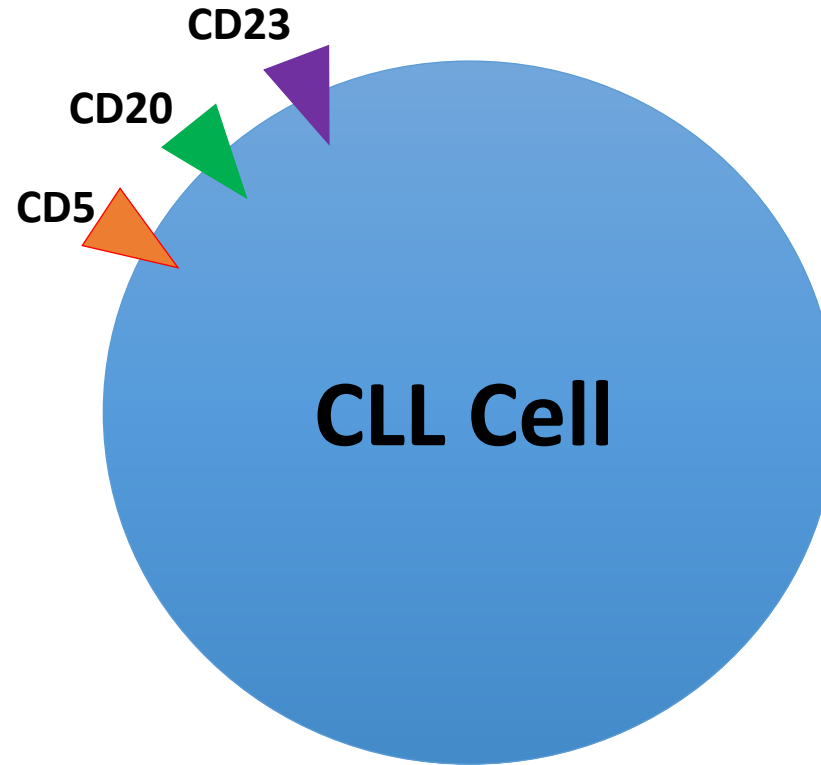
# Clinical Case

---

- 60 year old male presented to doctor for yearly physical exam
- Routine labs showed WBC count of 40,000/uL (normal 4000-10,000/uL)
- Lab reports 88% of these as “abnormal lymphoid cells”
- Other blood counts are normal
- Doctor suspects CLL and patient is referred to Huntsman Cancer Institute
- What is necessary for diagnosis?

# Cell Surface Protein Expression for Diagnosis

---



Must also be negative for:

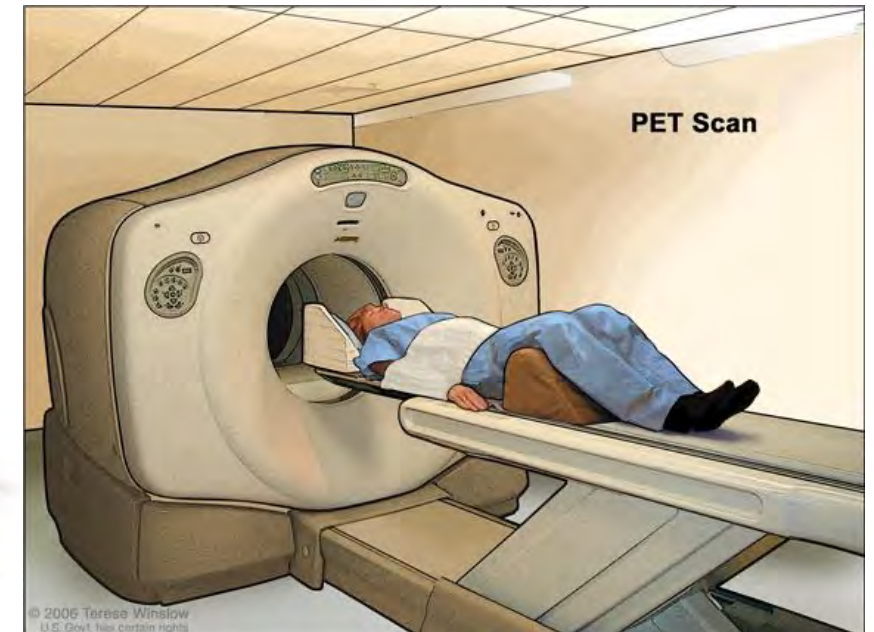
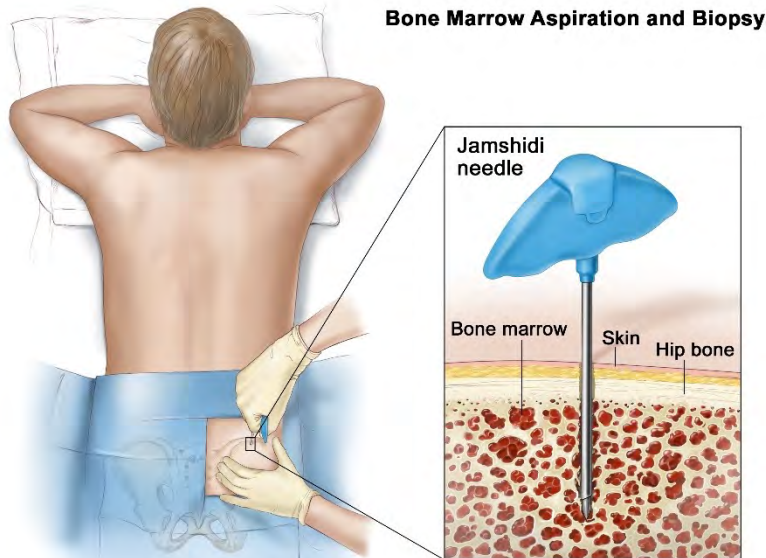
- CD10
- Cyclin D1

The number of these CLL cells in the blood must be  $\geq 5000$



# Further Work Up

- Not required (but may be indicated):
  - Bone marrow Biopsy
  - CT Scan
  - PET Scan



© 2007 Terese Winslow  
U.S. Govt. has certain rights

<http://mashingmyeloma.blogspot.com/2012/12/bone-marrow-biopsy-aspiration-ouch.html>;

<http://my.clevelandclinic.org/services/imaging-institute/imaging-services/hic-computed-tomography-ct-scan>;

<http://www.cancer.gov/publications/dictionaries/cancer-terms?cdrid=46140>

# CLL Staging

---

0
I
II
III
IV

IN GENERAL: CLL  
staging is not that  
useful

# Back to our Example Patient

---

- Flow cytometry confirmed CLL
- ↑ Lymphocytes ( $>5.0$  k/uL)
- Enlarged lymph nodes
- Rai Stage I
- What other tests might be helpful?

# CLL Prognostic Factors

---

- Usually changes in DNA or genes that are only found in the CLL cells
- Most Prognostic
  - FISH
  - Immunoglobulin Heavy Chain Variable (*IGHV* or *IGVH*) Region mutational status
  - Karyotype
  - CLL gene mutations

# When Do We Send These Tests?

---

- Most of the time at diagnosis
- After some treatment and before the next line of treatment
  - *IGHV* mutational status is “static” – does not change with time or treatment
  - FISH (i.e. deletion 13q, trisomy 12, deletion 11q and deletion 17p), karyotype and mutations can change over time with treatment



# Back to Our Example Patient

---

- Risk Factors = Low Risk:
  - *IGHV* = Mutated
  - FISH = Del(13q)
  - CLL Gene Mutation = None
  - Karyotype = 46XY (normal)
- No symptoms
- His doctor's recommendation?
  - Observation
- **Who needs treatment for CLL?**

# Indications to Treat CLL

---

## **“Active Disease”**

- ↓ RBC (Hgb < 11g/dL) or Platelets (Plts < 100 k/uL)
- Symptomatic enlarged spleens or lymph node
- “B-type” symptoms
  - Weight loss of >10% in the last 6 months
  - Fevers (>100.5 for ≥ 2 weeks w/o infection)
  - Night sweats x 1 month (w/o infection)
  - Fatigue
- Other patient symptoms attributable to CLL
  - Patient symptoms most important

# Reasons for Observation

---

1. CLL is still generally considered incurable
2. Some patients may never need any treatment
3. Multiple studies have not shown treating asymptomatic CLL patients make them live longer
  - Studies were done with traditional chemotherapy
  - With our current landscape of targeted therapies, it's unclear if some patients may have benefit with early treatment (e.g. S1925)

---

**Watch and Wait?**

**Watch and Worry**

# What Does Watch and Wait Mean?

---

- Most likely every 3-12 month visits with your doctor that will include lab work, history taking\* and physical exam.
  - \*Patient symptoms are most important
  - Visits may be closer together or spaced further apart depending on what is happening with the patient and/or their “stability”
- Performing routine scans without new or worsening symptoms is generally not recommended
  - False positives leading to unnecessary biopsies or work up
  - You can’t scan for ever!



# What Else Do You Recommend During the W&W Period?

- Stay healthy!
  - Most patients with CLL die from something else
  - Heart disease, stroke, kidney disease, obesity, diabetes are still more likely to occur in patients who live in the Western World
  - Sunscreen and skin protection
- Follow the AHA guidelines for diet and exercise
  - Diet and lifestyle:  
<https://www.heart.org/en/healthy-living/healthy-eating/eat-smart/nutrition-basics/aha-diet-and-lifestyle-recommendations>



**American Heart Association**  
**Healthy for Good™**

## How much **physical activity** do you need?

Here are the American Heart Association recommendations for adults.

- Fit in 150+**  
Get at least 150 minutes per week of moderate-intensity aerobic activity or 75 minutes per week of vigorous aerobic activity (or a combination of both), preferably spread throughout the week.
- Move More, Sit Less**  
Get up and move throughout the day. Any activity is better than none. Even light-intensity activity can offset the serious health risks of being sedentary.
- Add Intensity**  
Moderate to vigorous aerobic exercise is best. Your heart will beat faster, and you'll breathe harder than normal. As you get used to being more active, increase your time and/or intensity to get more benefits.
- Add Muscle**  
Include moderate- to high-intensity muscle-strengthening activity (like resistance or weight training) at least twice a week.
- Feel Better**  
Physical activity is one of the best ways to keep your body and brain healthy. It relieves stress, improves mood, gives you energy, helps with sleep and can lower your risk of chronic disease, including dementia and depression.

**Move more, with more intensity, and sit less.**

Find out how at [heart.org/movemore](https://www.heart.org/movemore).

© Copyright 2021 American Heart Association, Inc., a 501(c)(3) not-for-profit. All rights reserved. Healthy for Good is a trademark. Unauthorized use prohibited. 021057389

# What Else Do You Recommend During the W&W Period?

---

- Age/sex appropriate cancer screenings
  - Colon cancer screening starting at 45 years old
  - Yearly mammograms for females 40 and older
  - Pap smears for women (usually every 3-5 years)
  - Annual skin check
  - ? Prostate cancer screening
- Vaccinations – avoid live vaccines
  - COVID
  - TdAP every 10 years
  - Pneumonia series (Pneumovax-23 2-6 months later)
  - Shingrix after age 50
  - Annual flu

---

# **Thank You and Questions Will Be Answered at the End**



# Treatments in CLL

Harsh Shah, DO







**In the Next 15 minutes!**

- **Indications for Treatment**
- **Goals of Treatment**
- **Basic Options of Treatment**
- **First Line Options**
  - **Bruton's Tyrosine Kinase (BTK) Inhibitors**
    - **Ibrutinib**
    - **Acalabrutinib**
  - **Venetoclax**
- **Relapsed/Refractory CLL**

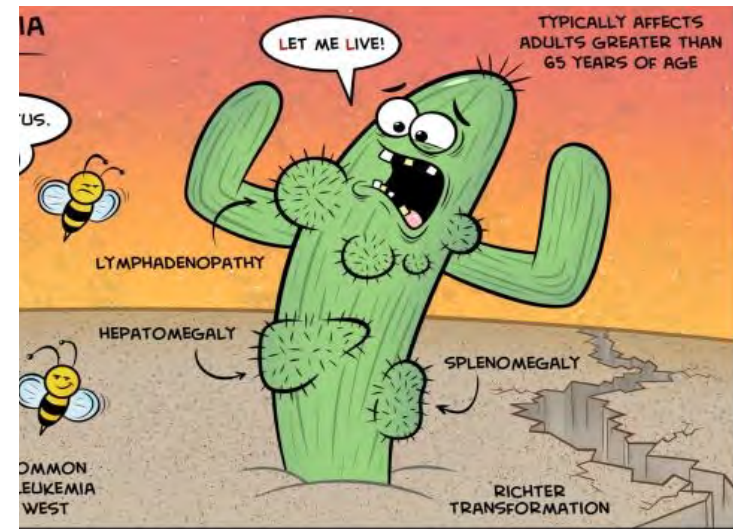


# When Do We Treat?

- Evidence of progressive marrow failure (“low counts”)
- Constitutional symptoms
- Massive lymph nodes
- Symptomatic enlarged spleen (splenomegaly)



Night sweats



© 2015 JORGE MUNIZ

# CLL Treatment Goals

- Main goals =
  - Achieve remission (absence of active CLL) for the best possible outcome
  - Lengthen life

**Minimal  
Residual  
Disease  
(MRD)**

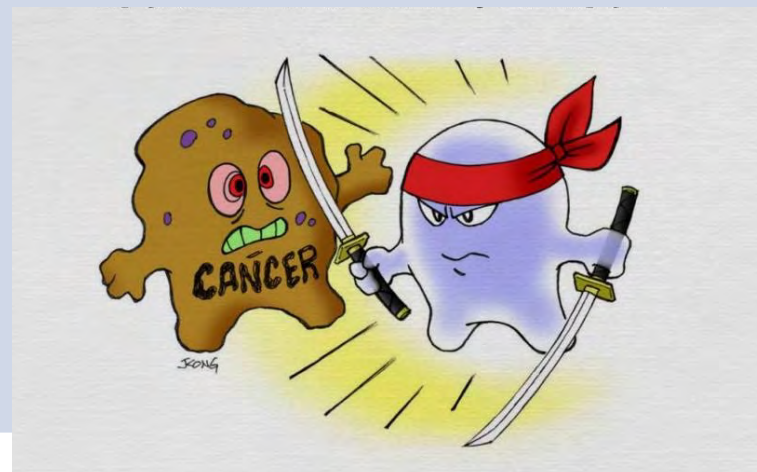
Response Criteria		VS.	Response Criteria	
Complete Response	CR		Normal blood counts, no lymph nodes and spleen	
Partial Response	PR		↓ 50% of lymphocytes, lymph nodes and spleen	
Stable Disease	SD		No change	
Progressive Disease	PD		New areas or worsening disease	



# What is Chemotherapy and Immunotherapy?

Chemotherapy	Immunotherapy
<b>FCR</b> (Fludarabine+ Cyclophosphamide+ Rituximab)	<b>Rituximab</b>  <b>Obinutuzumab</b>
<b>BR</b> (Bendamustine+Rituximab)	
<b>ChI-O</b> (Chlorambucil+ Obinutuzumab)	

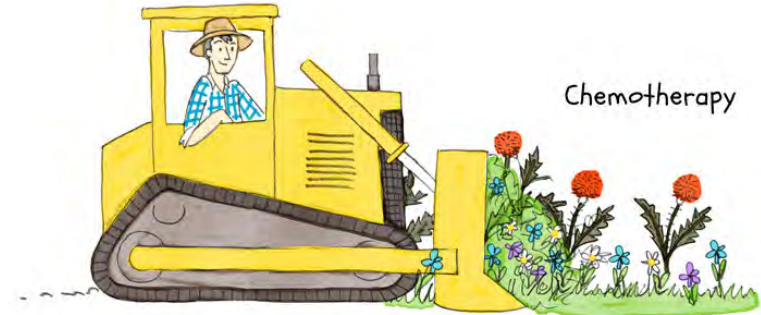
**Chemicals that kill quickly  
growing cells**



# Why Targeted Therapy Over Chemotherapy?

- Side effects are more specific to the therapy
- Deeper response and tends to be more effective in high-risk patients

## Targeted Therapies Pick Out Cancer Cells





# Current Landscape of Treatment in CLL

## Chemo immunotherapy

- FCR
- BR
- Obinutuzumab-Chlorambucil

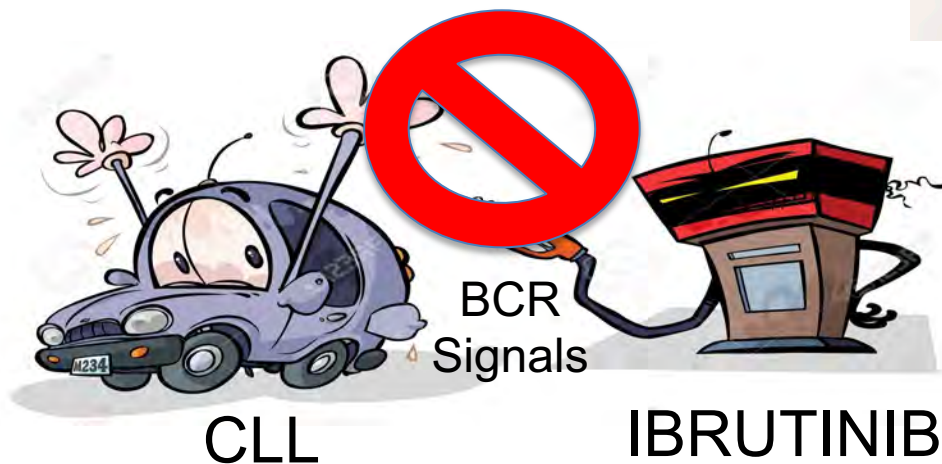
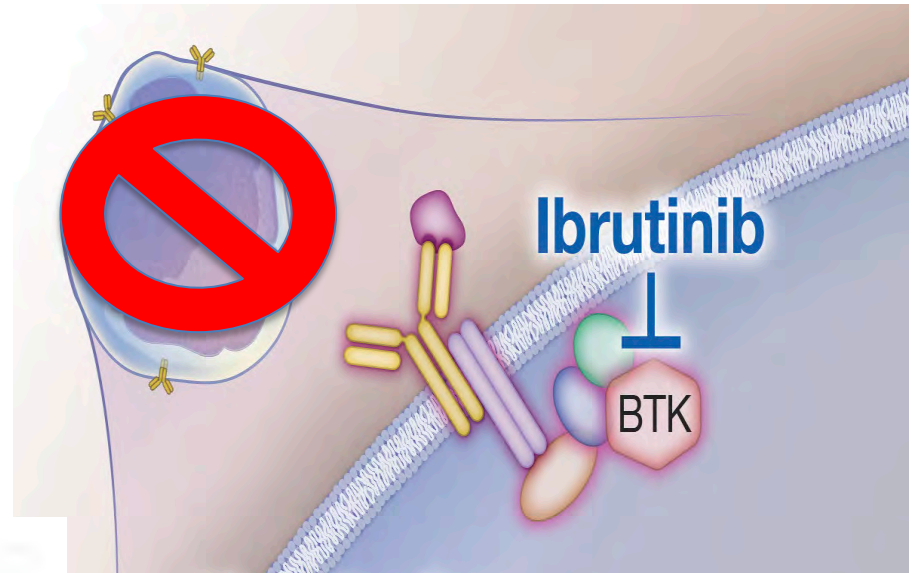


**BTK Inhibitors  
(Ibrutinib and  
Acalabrutinib)**

**Venetoclax**

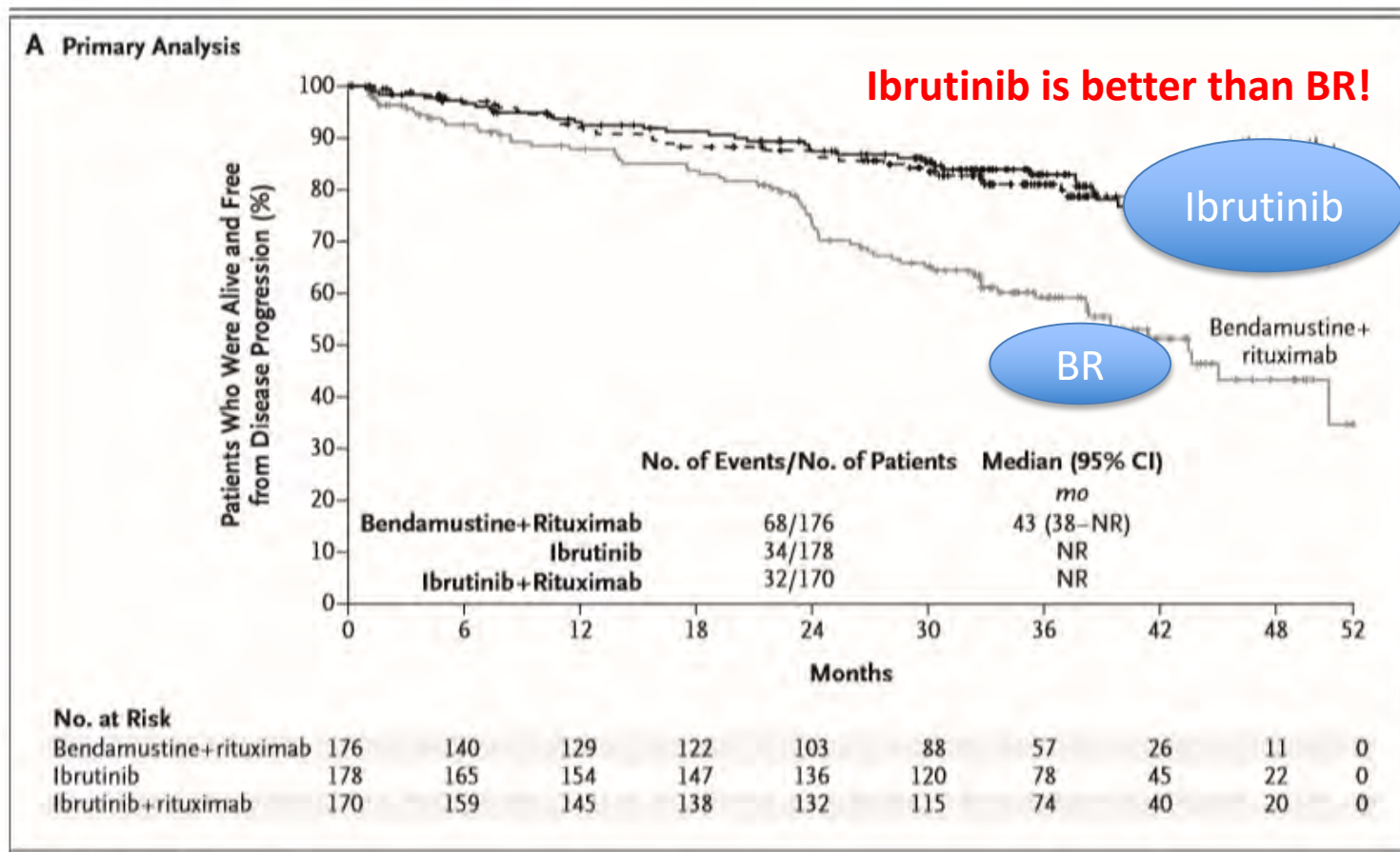
# What is Ibrutinib?

- It blocks the B-Cell receptor pathway which is important for survival of CLL cells





# Ibrutinib vs BR in >65 Year Old Patients with CLL (ALLIANCE)

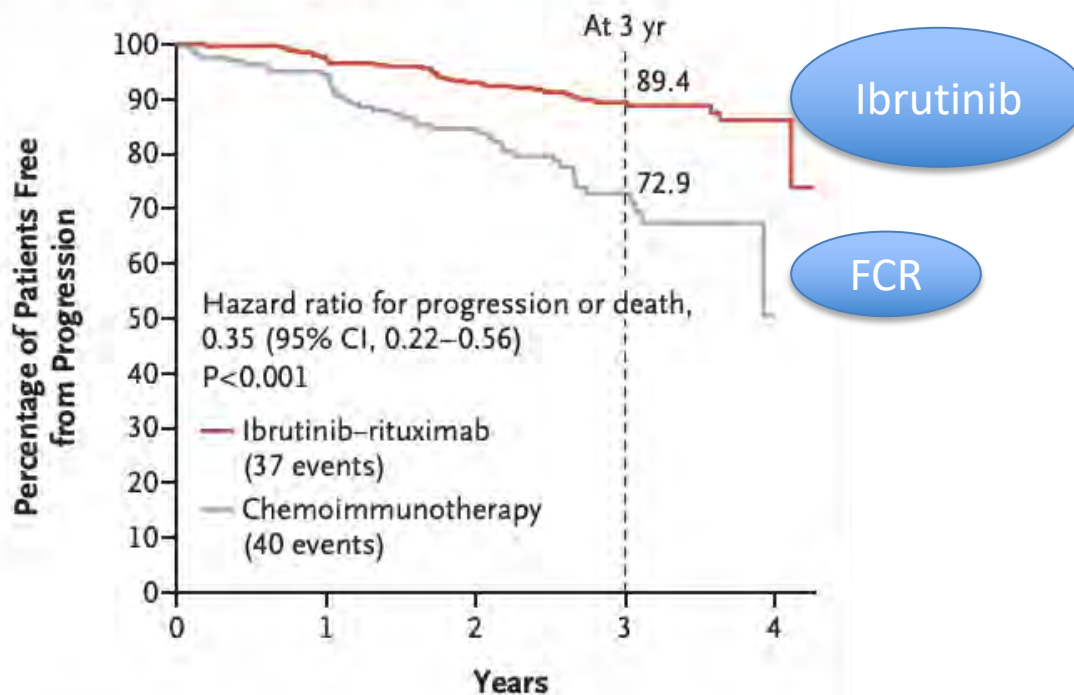




# Age <65 Years: Ibrutinib vs FCR

A Progression-free Survival among All Patients

**Ibrutinib is better than FCR!**



No. at Risk

Ibrutinib-rituximab	354	339	298	148	16
Chemoimmunotherapy	175	147	112	50	0



# Ibrutinib: Side Effects

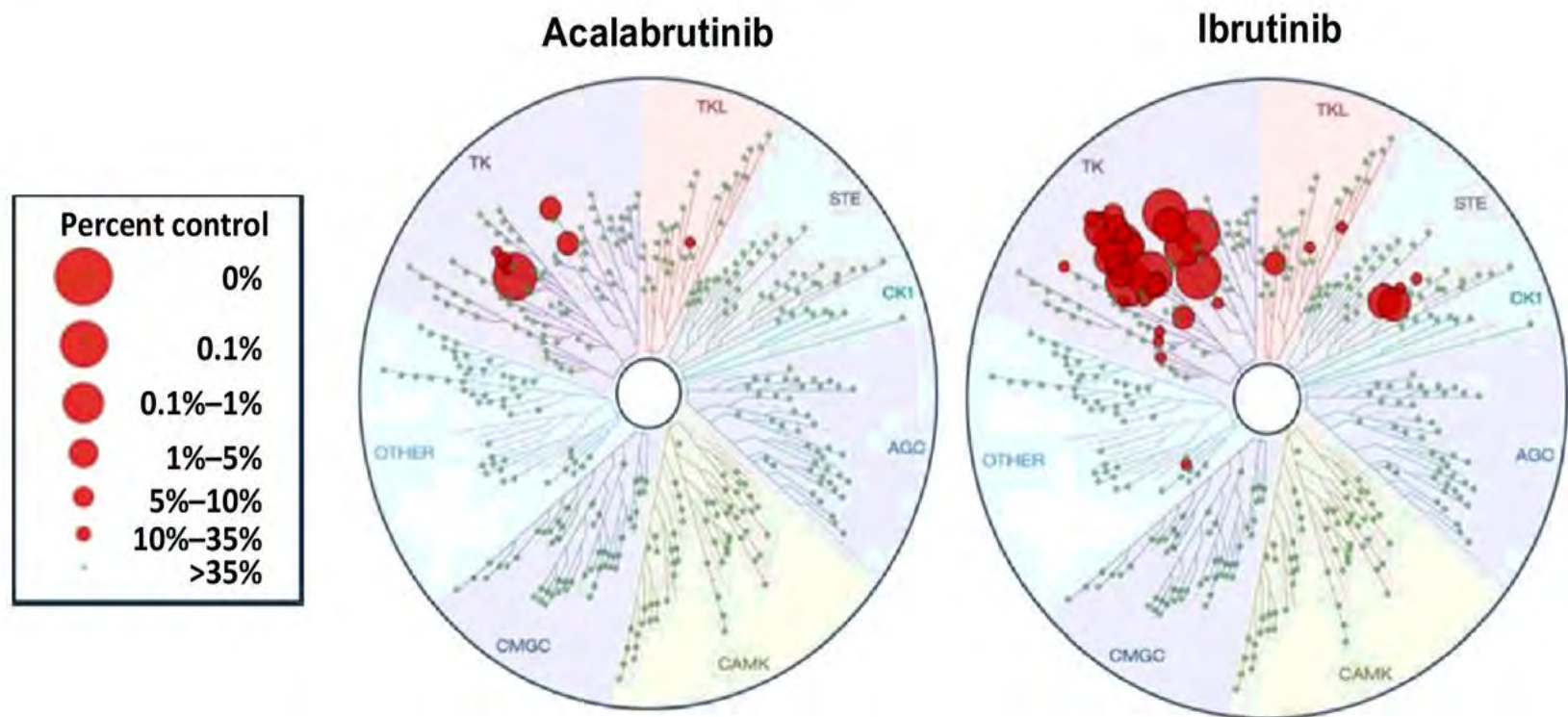
Common/Mild (>20%)	Rare/Serious (<10%)
Low blood counts	Deadly bleeding
Diarrhea	Atrial fibrillation
Nausea	High blood pressure
Bruising/bleeding	Infection
Muscle/Joint Pain	
Infection	

## Can't take Ibrutinib if:

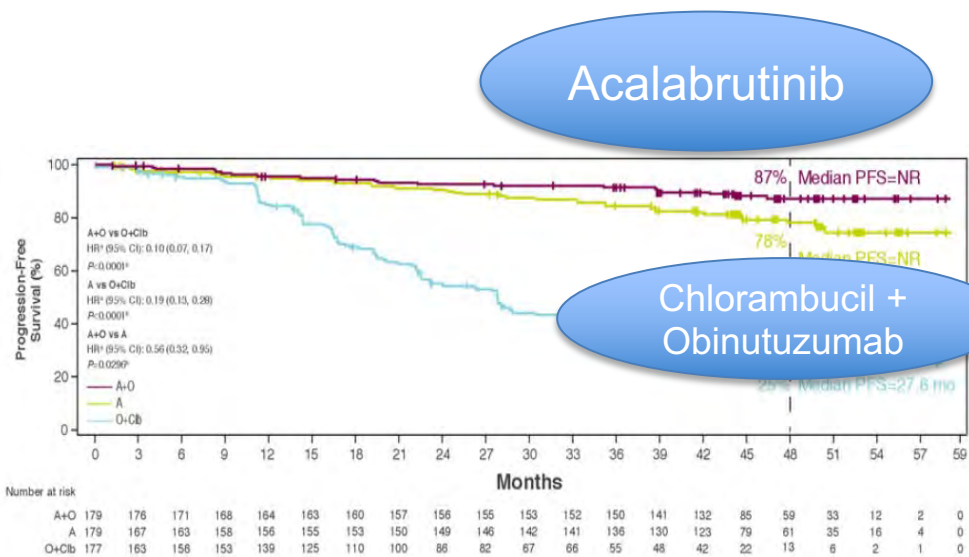
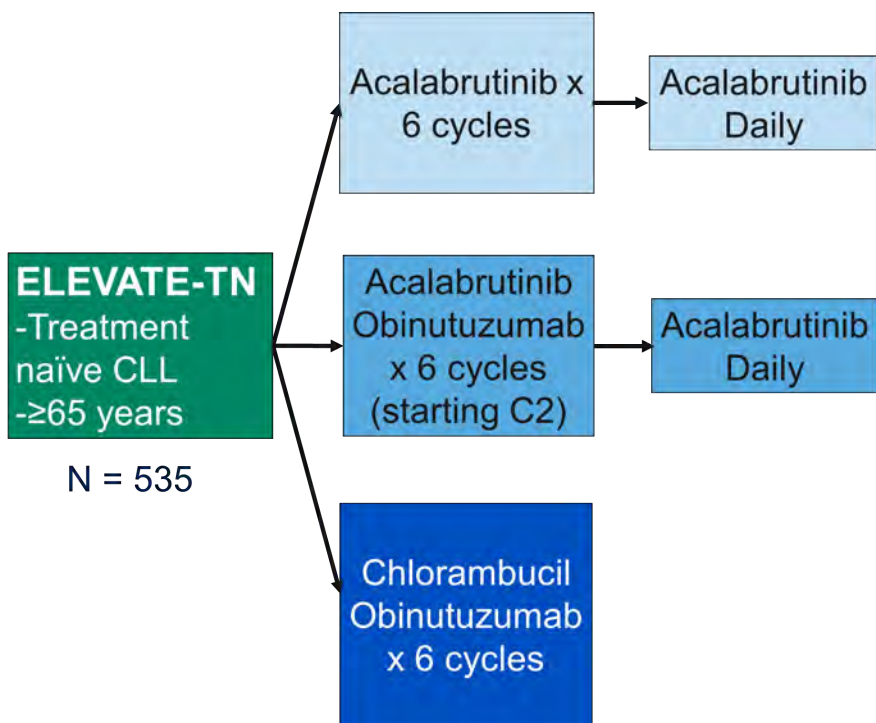
- Medication (Warfarin, CYP3A4)
- Uncontrolled atrial fibrillation
- Poor digestion
- Can't take a pill long-term



# Acalabrutinib: More Selective Than Ibrutinib



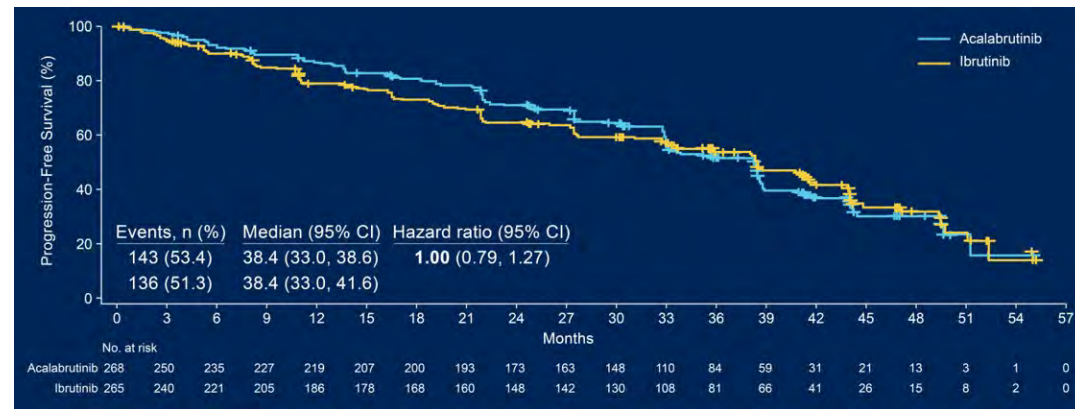
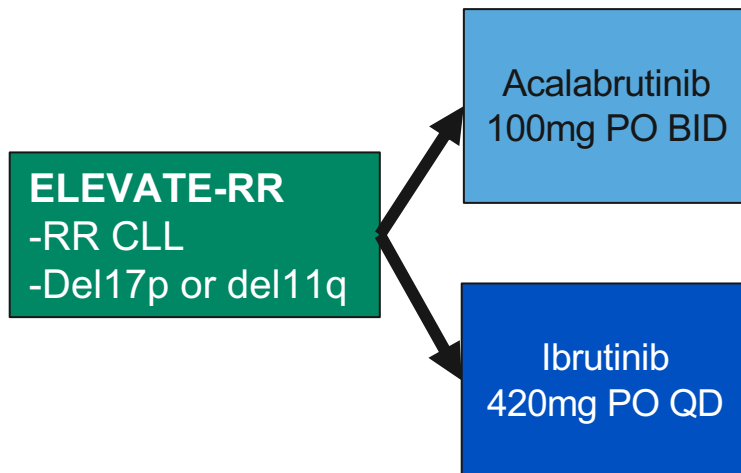
# Acalabrutinib: 2<sup>nd</sup> Generation BTK Inhibitor



**Acalabrutinib is better than Chlorambucil + Obinutuzumab!**

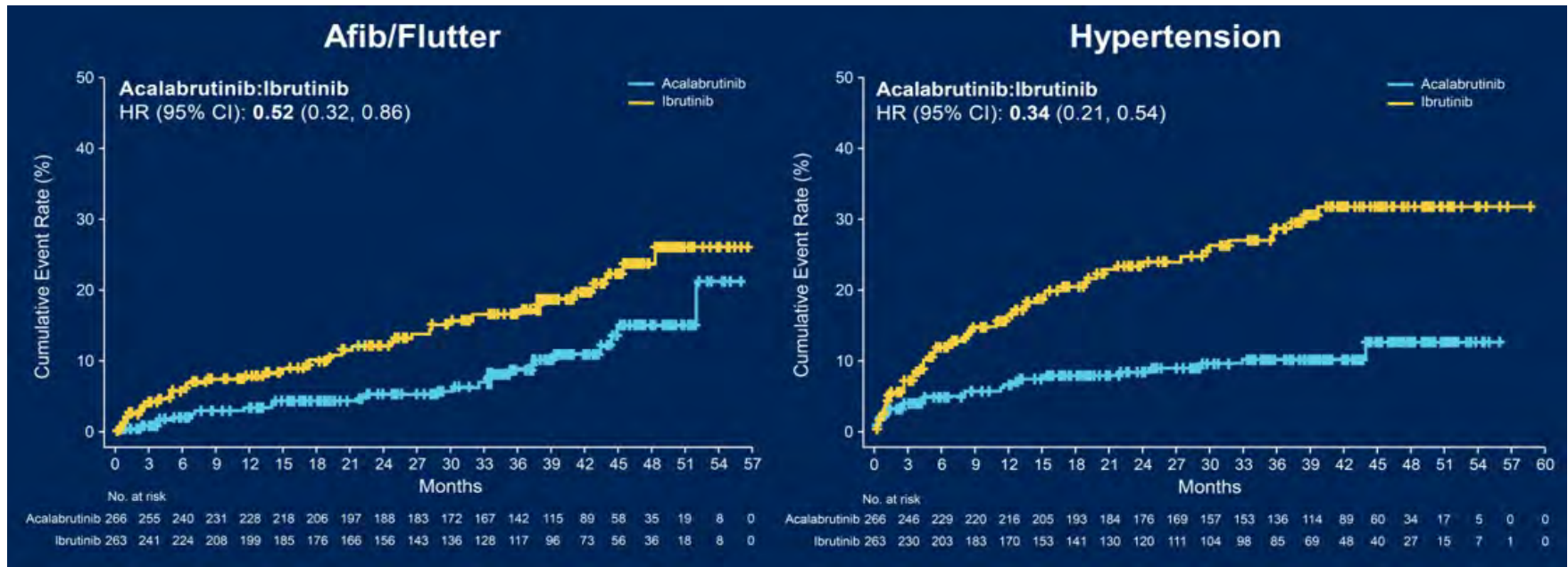


# Ibrutinib vs Acalabrutinib?



**Similar Efficacy**

# Ibrutinib vs Acalabrutinib?



- Acalabrutinib is associated with lower cumulative rates of atrial fibrillation and hypertension
- Acalabrutinib treatment is also associated with lower cumulative incidence of bleeding, diarrhea, arthralgia





# How to Choose Between BTK inhibitors

## Ibrutinib

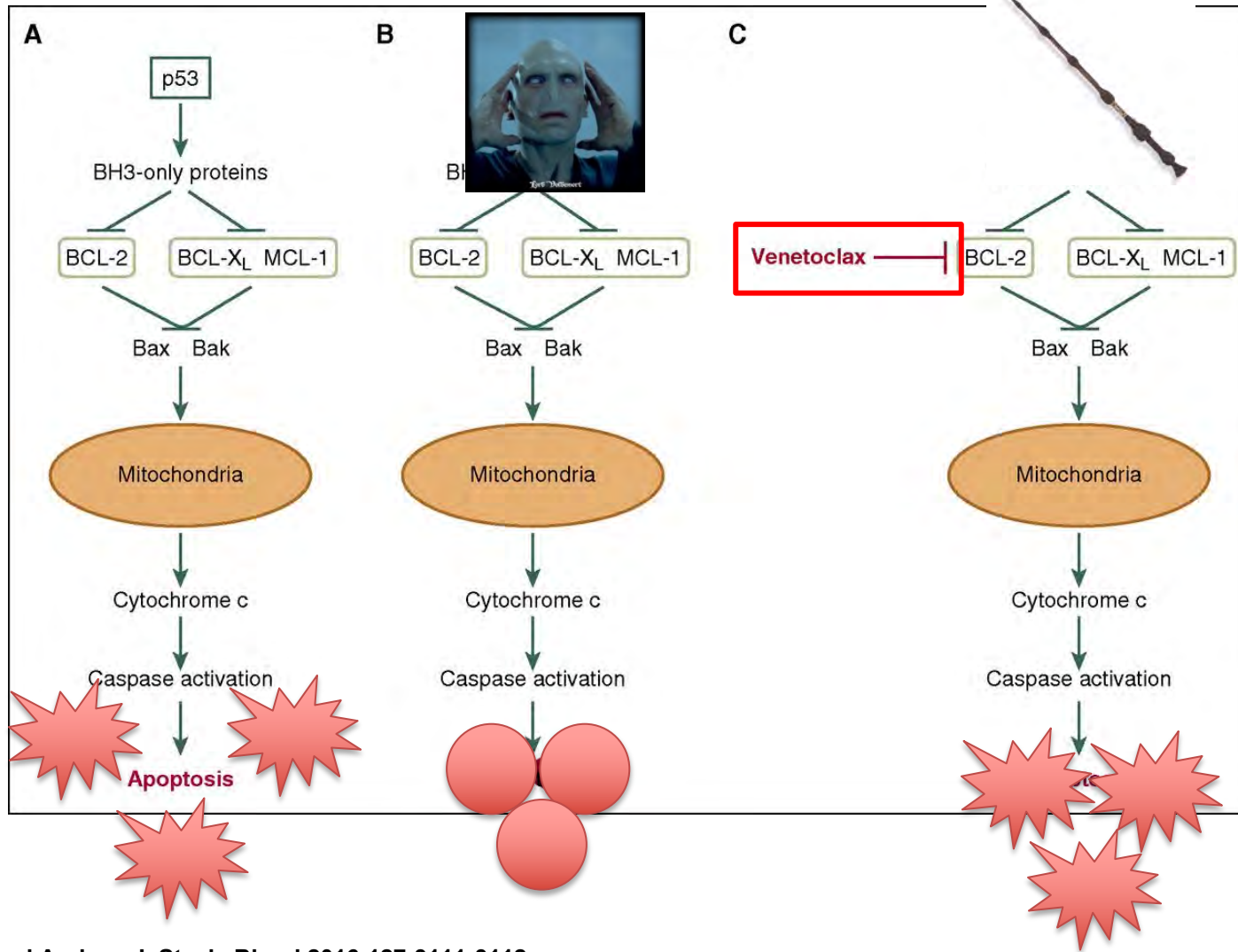
- Compliance with once daily therapy
- Significant GERD requiring PPI
- Most data for young, del(17p), TP53

## Acalabrutinib

- Most others

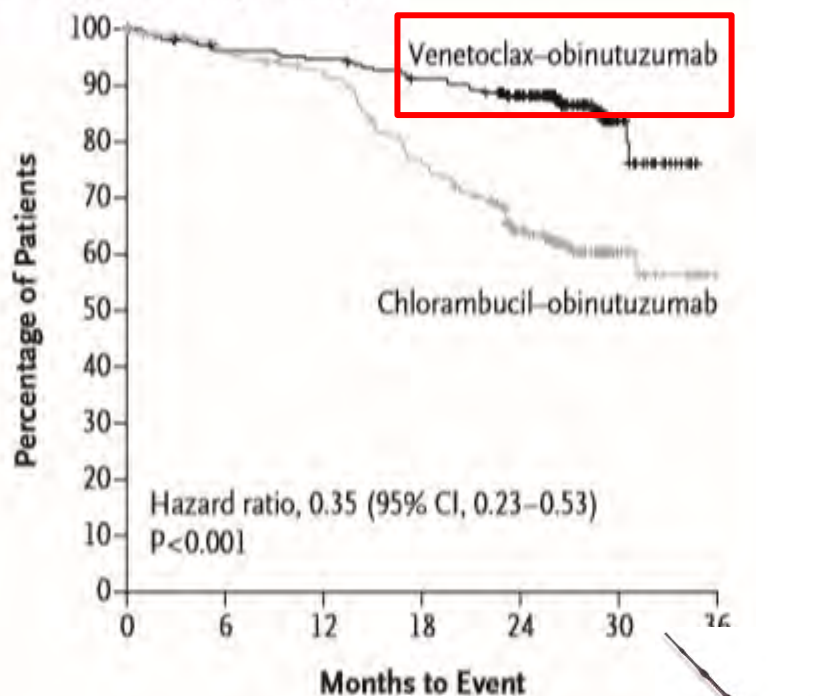


# Venetoclax and How It Works



# Venetoclax Plus Obinutuzumab (For 1 Year) in Those With Comorbidities

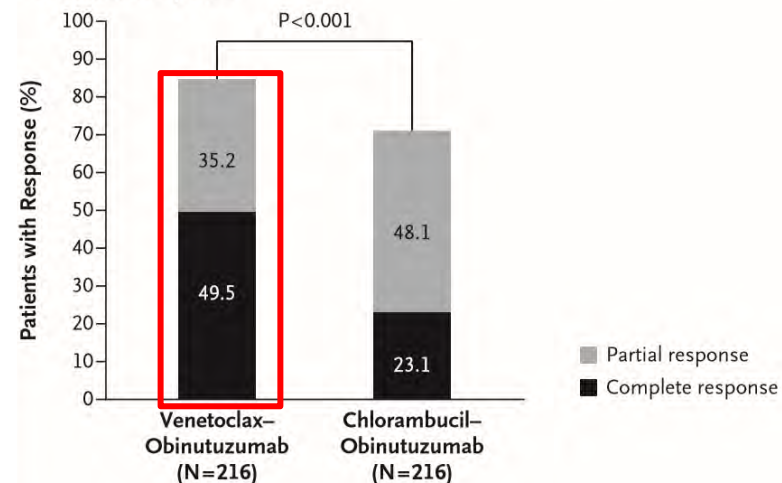
Progression-free Survival, Assessed by Investigator



No. at Risk

Venetoclax-obinutuzumab	216	195	192	183	153	25
Chlorambucil-obinutuzumab	216	194	184	152	110	21

Treatment Response



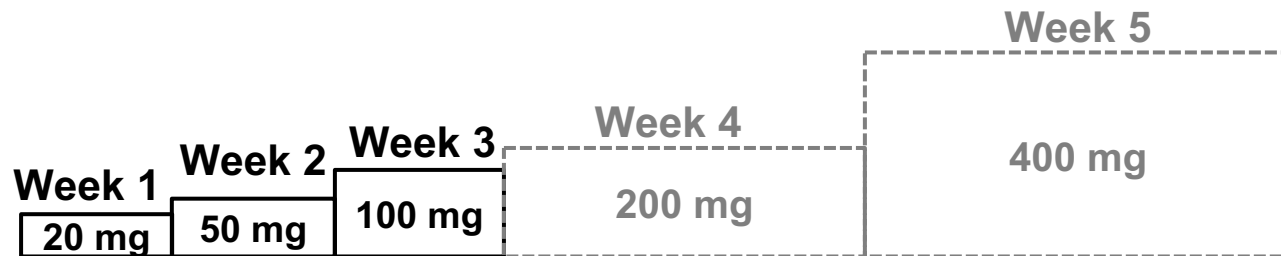
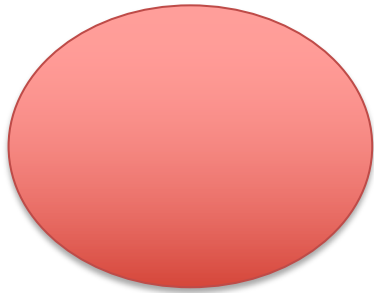
Treatment Arm	Bone Marrow MRD	Blood MRD
Venetoclax plus Obi	57%	75%
Chlorambucil plus Obi	17%	35%







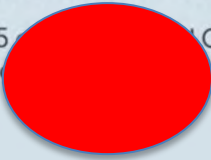


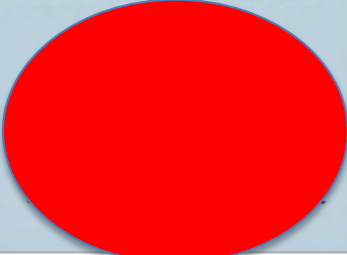



# Tumor Lysis Syndrome

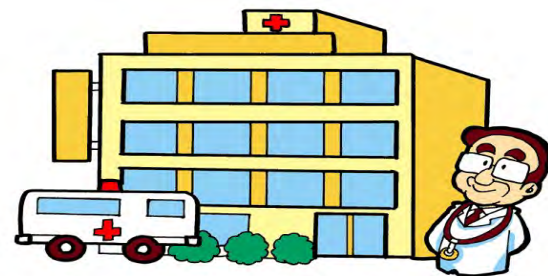


**Release of  
Potassium,  
Phosphorus,  
And Uric Acid**



# Measures To Prevent Tumor Lysis Syndrome

STEP 1: ASSESS	STEP 2: PREPARE 2-3 DAYS PRIOR TO FIRST DOSE	STEP 3: INITIATE FIRST 5 WEEKS OF TREATMENT
Tumor burden assessment	Anti-hyperuricemics* Hydration†	Blood chemistry monitoring <sup>‡,§</sup>
<b>LOW TUMOR BURDEN</b> All LN  ALC <5 cm 25 x 10 <sup>9</sup> /L	 <b>Allopurinol</b> Oral (1.5-2 L) 	 patients with CrCl < 60 mL/min, see below for monitoring in hospital
<b>MEDIUM TUMOR BURDEN</b> Any LN 5  ALC to <10 100 x 10 <sup>9</sup> /L	 <b>Allopurinol</b> Oral (1.5-2 L)  Consider additional IV	
<b>HIGH TUMOR BURDEN</b> 	 <b>Allopurinol</b> Consider rasburicase if baseline uric acid is elevated Oral (1.5-2 L)  and  IV (150-200 mL/hr as tolerated)	



**hospital**



# How Do We Choose Between the Two?

**BTK Inhibitors**

**Venetoclax**



# How Do We Choose Between the Two?

## BTK Inhibitors

 Longer follow up data

- Treatment until relapse or adverse events
- Avoid in patients with history of atrial fibrillation or hypertension, or those who require anticoagulation

## Venetoclax

- Short follow up Data

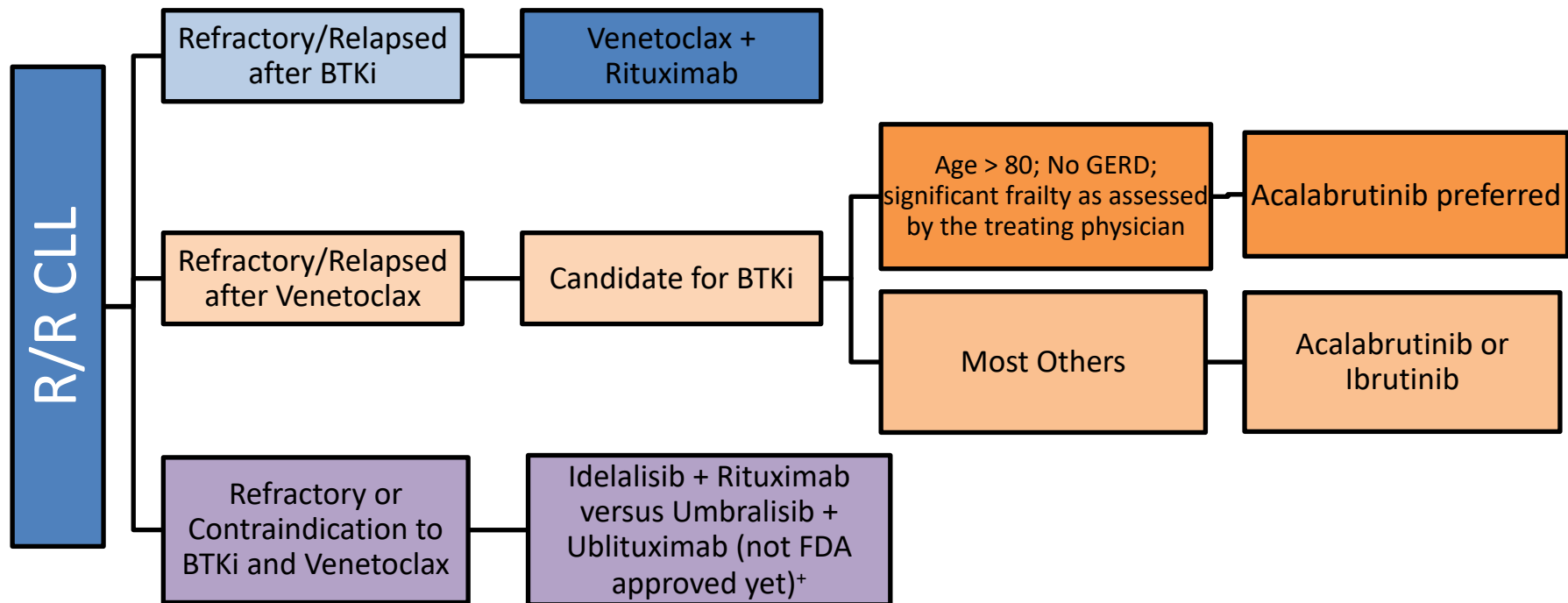
 Finite amount of treatment (1 year)

- Avoid in patients who can not be monitored for tumor lysis syndrome or have renal failure

**CLL17 Study: Head-to-head comparison of ibrutinib and venetoclax/obinutuzumab in young frontline patients**



# Relapsed/Refractory CLL



**Clinical Trials always preferred!**



# Thank you!





# Clinical Trials and New Advances for Patients with CLL

Deborah Stephens, DO

November 9, 2021



# Introduction to Clinical Trials

---

# Introduction to Clinical Trials

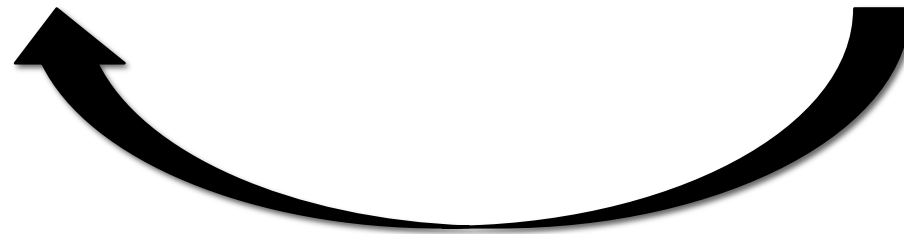
---

## STANDARD OF CARE

- Tested in people
- Safe
- Works well
- Approved by the FDA

## CLINICAL TRIAL

- Process of testing in people
- Phase 1: Is it safe?
- Phase 2: How well does it work?
- Phase 3: Is it better than standard of care?





# Clinical Trials

---

- Am I a Guinea pig?
- Will I be given a fake/sugar pill (placebo?)
- Since no cure for CLL is established = **clinical trials are important!**



# Promising Clinical Trials

---

- New “Versions” of Older Drugs
- Combinations of New Drugs
- CAR-T Therapy



# New “Versions” of Older Drugs

---

# New “Versions” of Older Drugs

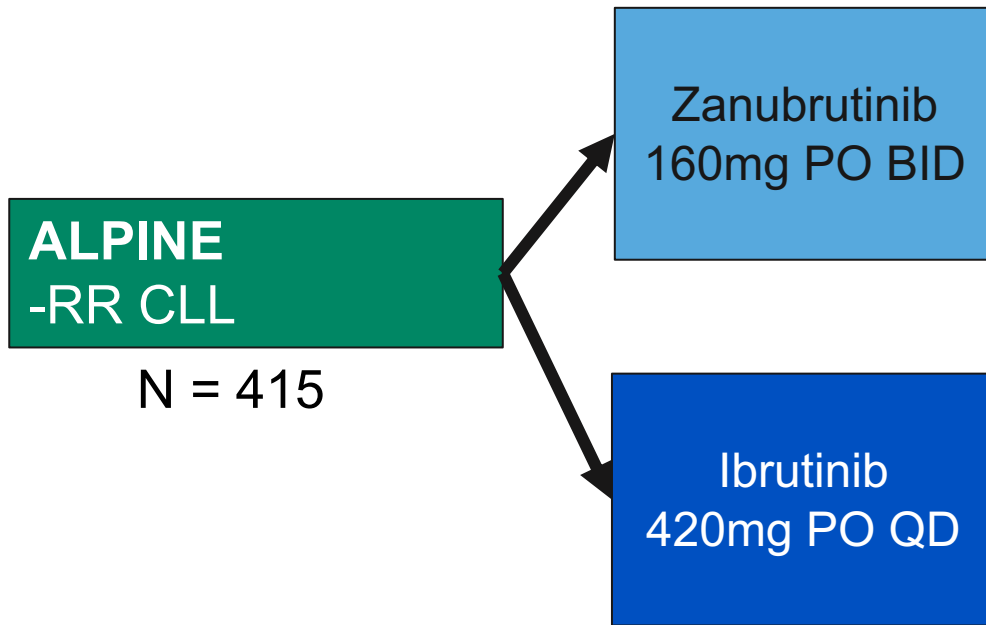
---

Bruton's Tyrosine Kinase (BTK) Inhibitor	
Approved	New
Ibrutinib	Zanubrutinib
Acalabrutinib	Pirtobrutinib
	ARQ-531
	LP-168

BCL2 Inhibitor	
Approved	New
Venetoclax	Lisaftoclax
	LP-118

# ALPINE

---



- **Zanubrutinib:**
  - Better response
  - Less side effects
- **What to know:**
  - Need longer follow-up of the study
  - Zanubrutinib not yet approved for CLL
    - May be able to get if you have a lot of side effects on ibrutinib or acalabrutinib



# When Ibrutinib Doesn't Work Anymore....

---

- ▲ BTK (C481S)
- ▲ Still fits, but doesn't block well
- ▲ Rapid progression after ibrutinib d/c
- ▲ **DO NOT D/C ibrutinib without another plan!**
- ▲ Same for acalabrutinib/ zanubrutinib



IBRUTINIB

KEYHOLE: SPOT ON CLL WHERE  
IBRUTINIB BINDS



IBRUTINIB

KEYHOLE: CHANGES AND  
IBRUTINIB DOESN'T FIT WELL

# When Ibrutinib Doesn't Work Anymore....

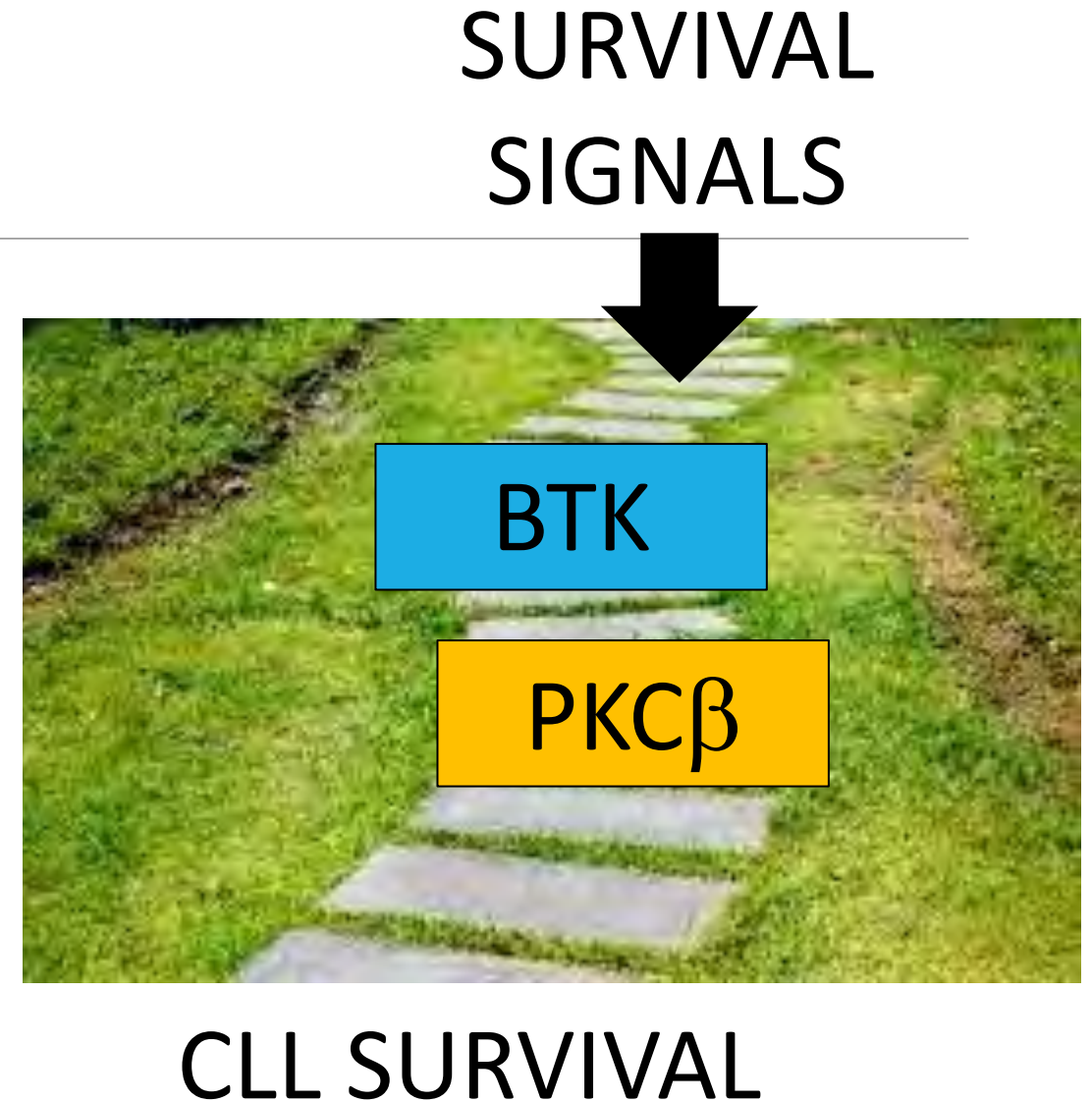
---

Bruton's Tyrosine Kinase (BTK) Inhibitor		
Generation 1/2	Next Generation	Status
Ibrutinib	Pirtobrutinib (LOXO-305)	Open clinical trials showing response in CLL after generation 1 & 2 BTKi with less side effects
Acalabrutinib	ARQ-531	
Zanubrutinib	LP-168	Clinical trial open! Now enrolling in Utah!

# MS-553

---

- BTK inhibitors block CLL survival signals
- PKC inhibitors block CLL survival signals in a different spot on the survival pathway
- Promising new pill that works when ibrutinib no longer works
- Clinical Trial Open at Utah!





# Combinations of New Drugs

---

# Combinations of New Drugs

---

- Pick 2 or 3 good drugs and combine them

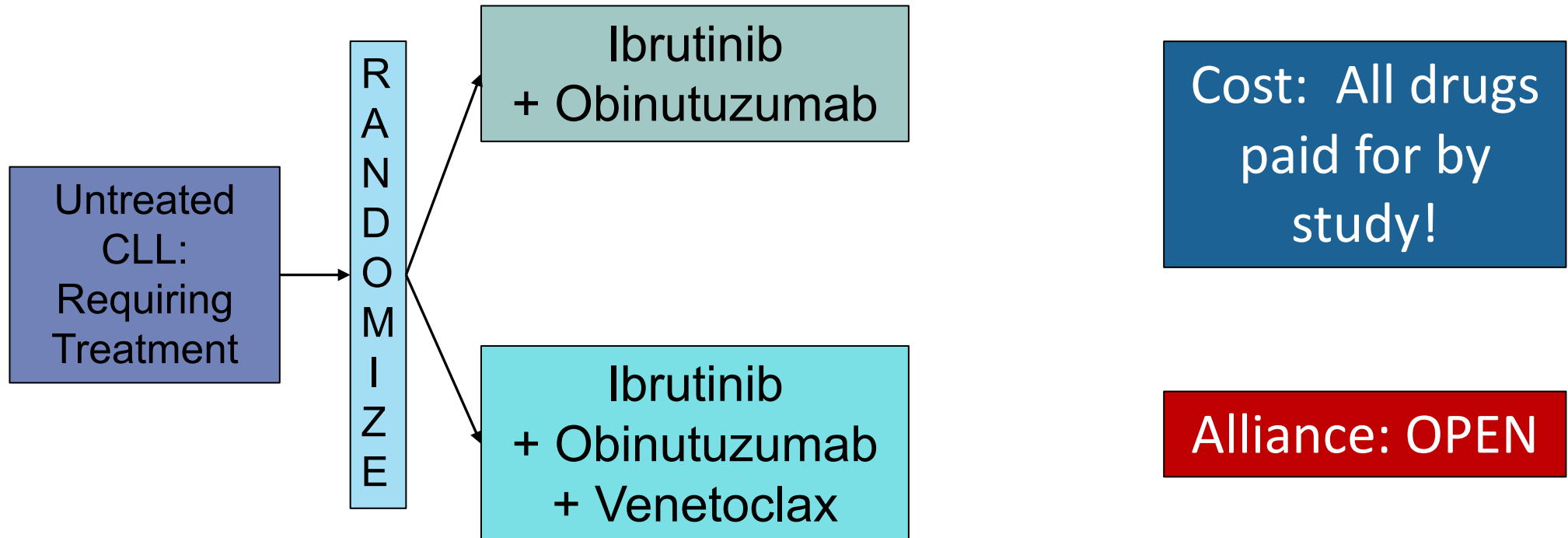
Bruton's Tyrosine Kinase (BTK) Inhibitor		BCL2 Inhibitor		Anti-CD20 Antibody Treatment
Ibrutinib	+	Venetoclax	+	Obinutuzumab
Acalabrutinib		? Other new drug ?		Rituximab
Zanubrutinib				Ublituximab

- Advantages: Deeper or Longer Lasting Responses, Shorten Treatment Length

# Trials for 1<sup>st</sup> CLL Treatment

---

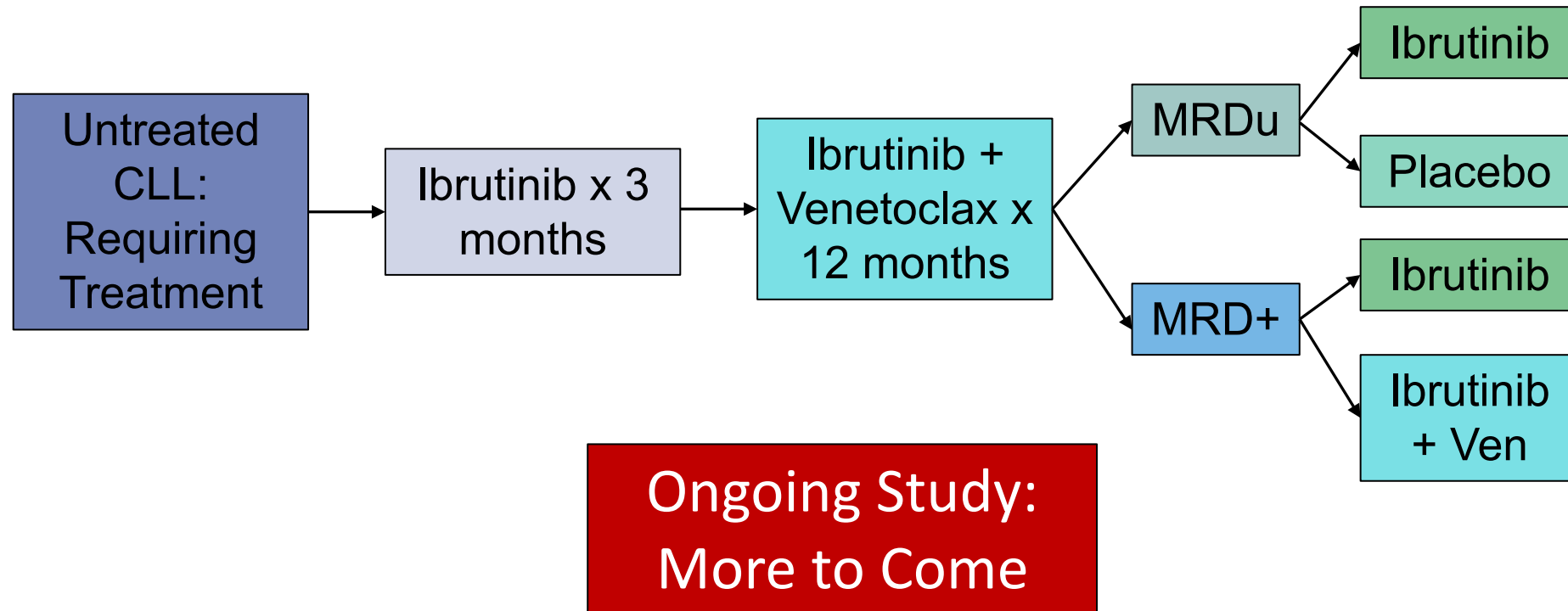
Alliance Trial:  $\geq 70$  years. 3 drug arm stops ibrutinib after 15 mo if no detectable CLL.





# CAPTIVATE Study

---

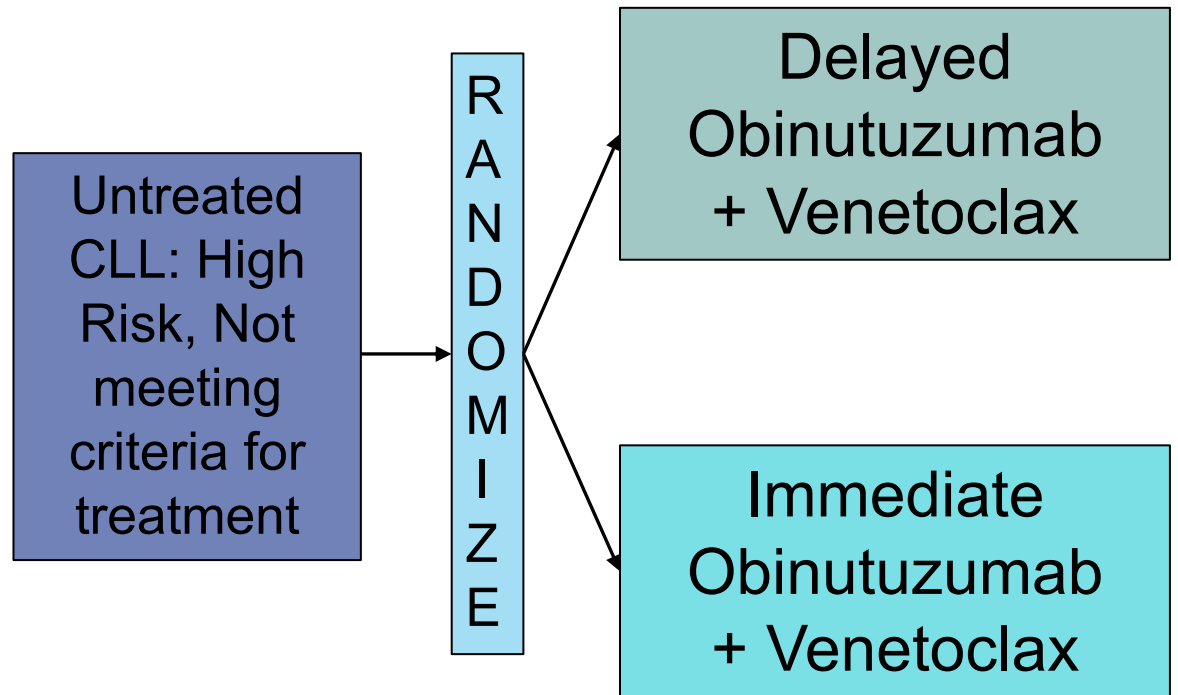


# Early Treatment

---

- S1925 EVOLVE CLL Study
- High risk: Del(17p) or combination of clinical and genetic risks
- Must have new diagnosis of CLL within the last year

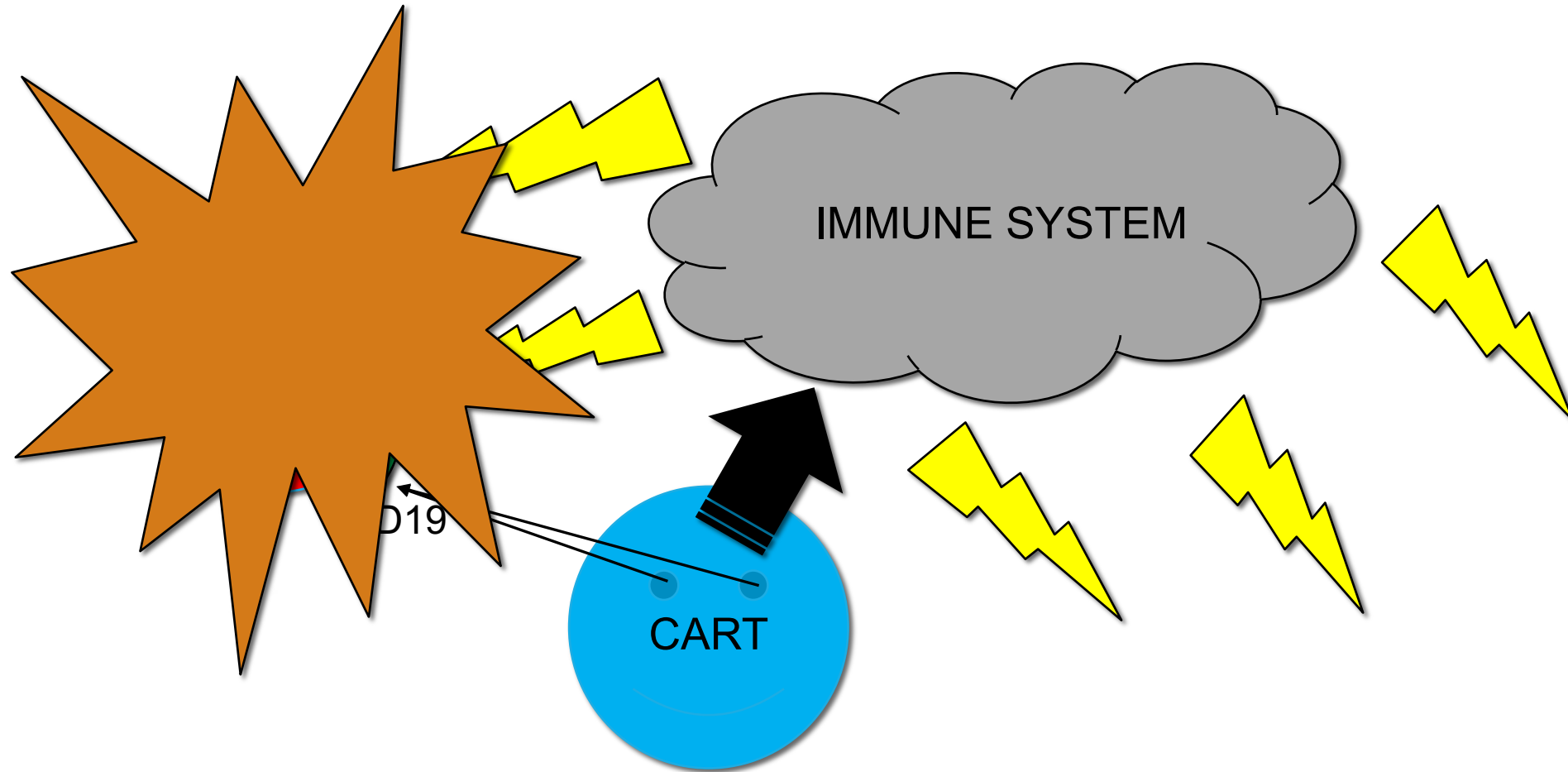
Accrual  
Ongoing



# CAR-T Cell Therapy

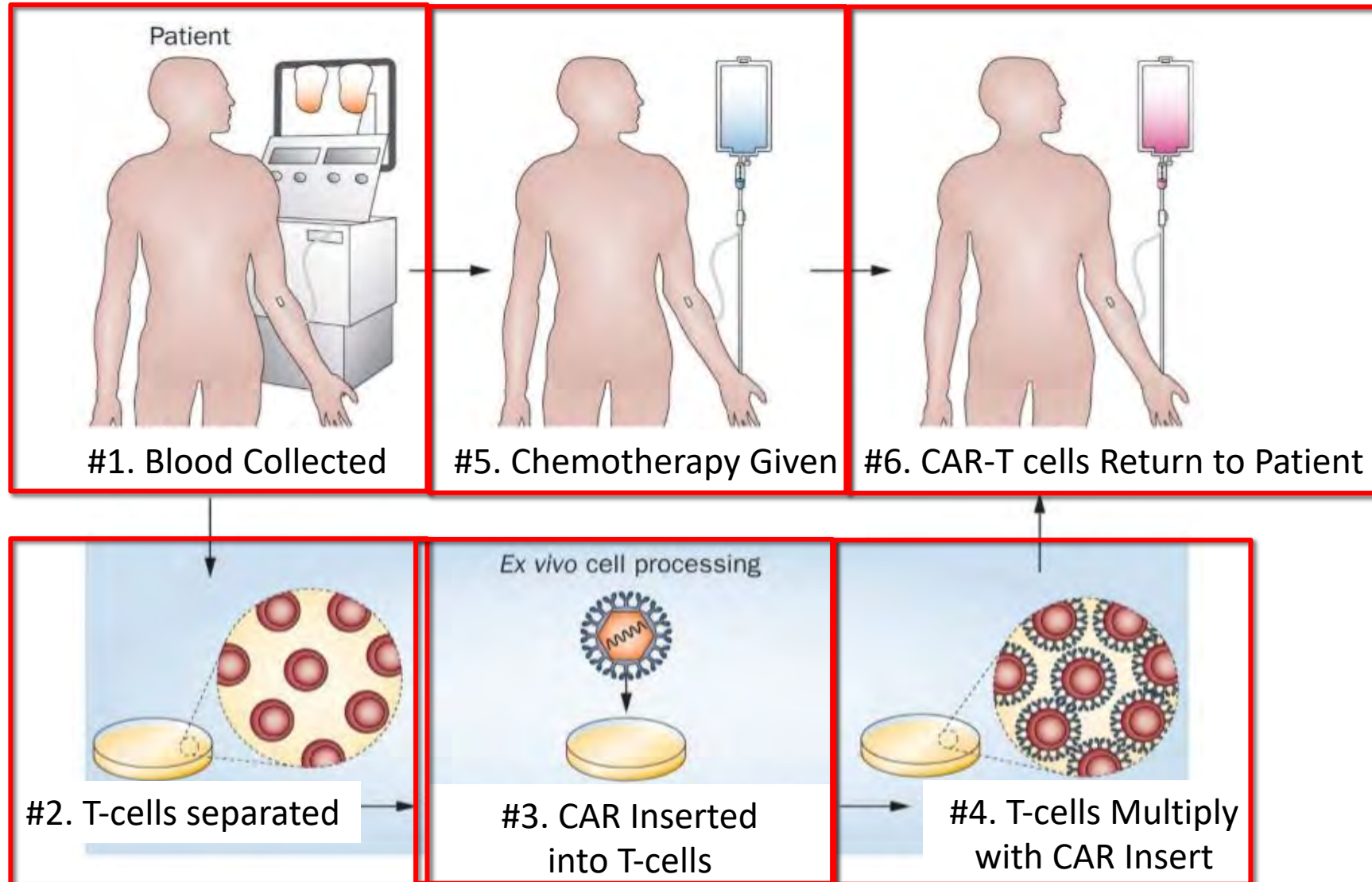
---

# CAR-T Cell Therapy





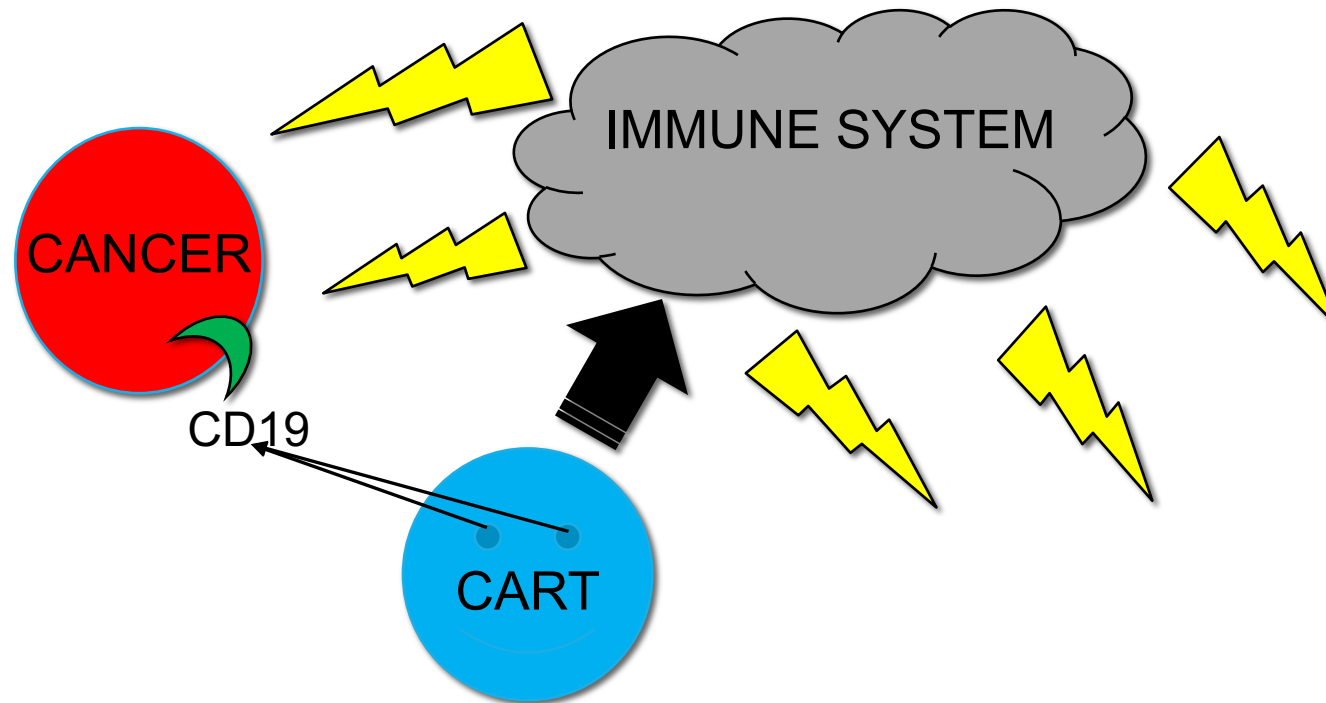
# CAR-T Cell Therapy



# CAR-T Cell Therapy

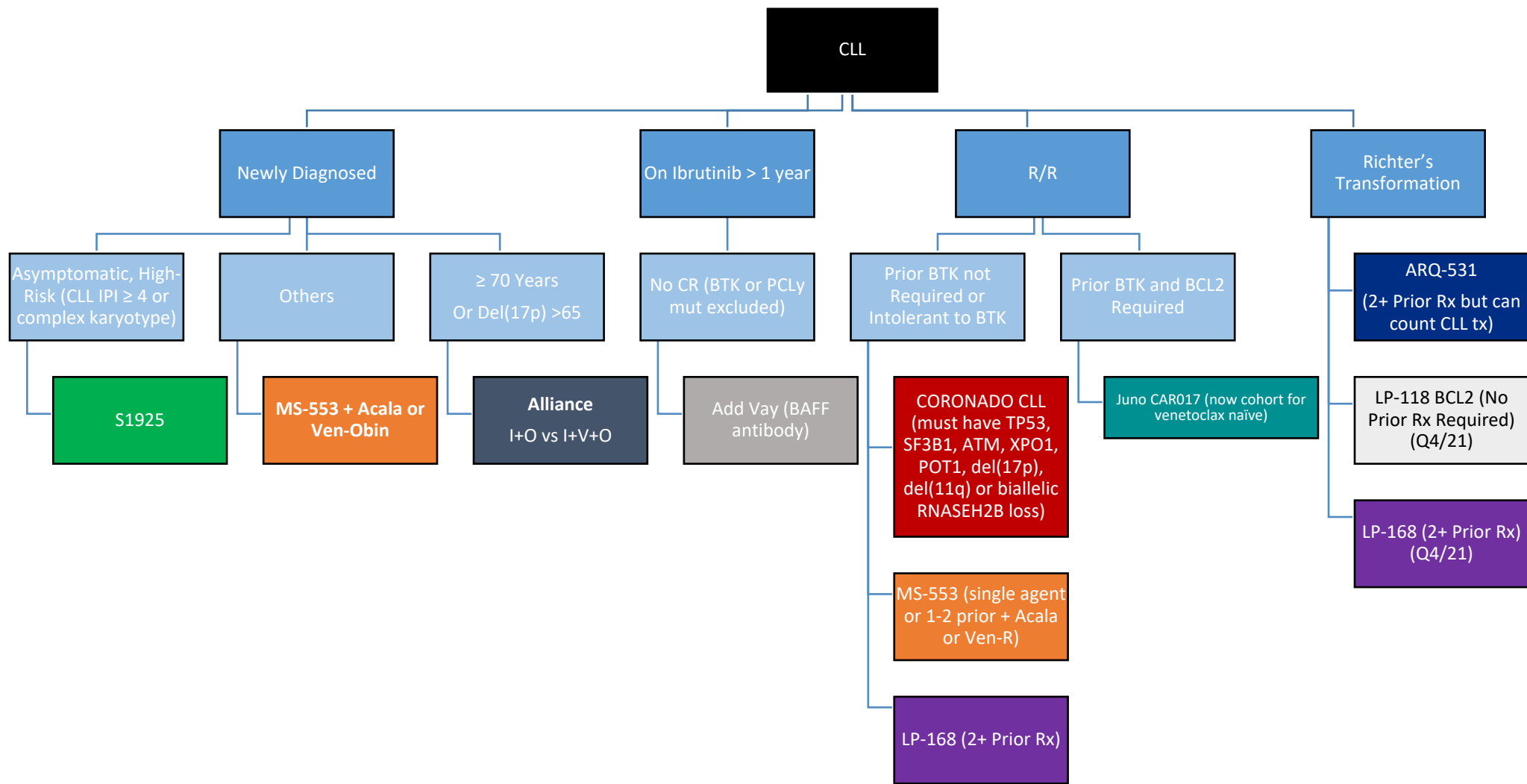
---

- Important side effects:
  - Cytokine release
  - Brain toxicity



# Clinical Trials at Utah

---





# THANK YOU

---

TWITTER: @DEBBIEMSTEPHENS



# A Brief Overview of COVID-19 and CLL

Lindsey Fitzgerald, MD

Huntsman Cancer Institute/University of Utah

November 9, 2021



# Outline

- Background
- Outcomes in CLL patients
- Vaccines
- Treatment

*“Immunosuppressed individuals have faced special peril with this pandemic all along.”*

- Laura Michaelis, *The Next Wave: immunizing the immunosuppressed*, Blood (2021) 138 (9), 9/2/21



# COVID 101

- SARS-CoV-2 = virus
- COVID = disease caused by SARS-CoV-2 virus
- Spreads through droplets and aerosol
- Delta Variant:
  - More than 2x as contagious
  - May cause more severe illness
  - Vaccines are still effective against this variant

# Outcomes

# Why Does CLL Predispose People to Severe COVID?

- Disease of older people (median age: 70)
- *Inherent immune dysregulation*
- CLL treatments also affect immune response
  - Anti-CD20 antibodies deplete B-cells (which make antibodies)

# Increased Risk of Death\*

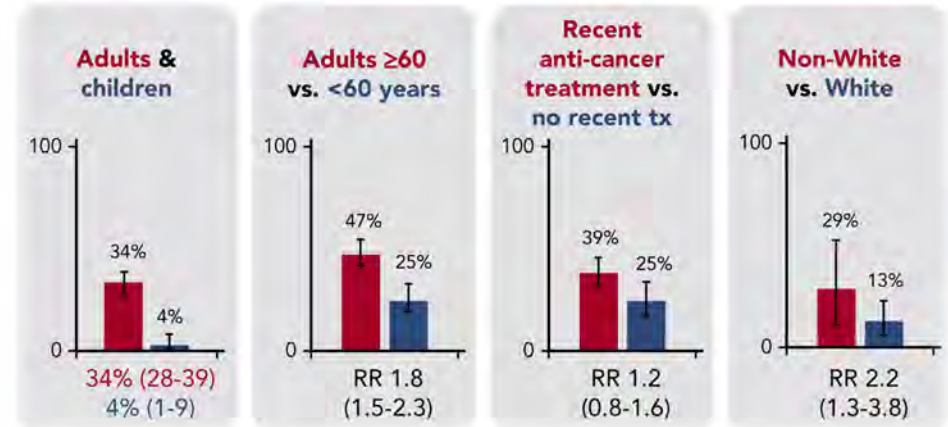
- All patients with heme malignancy: **mortality ~34%**
  - *\*Estimate may be biased by number of hospitalized patients included*
- Risk of death for **CLL** specifically: **31%**

Systematic review and meta-analysis of COVID-19 outcomes in patients with hematologic malignancy



38 studies | 3377 patients with acute COVID-19, sample predominantly hospitalized

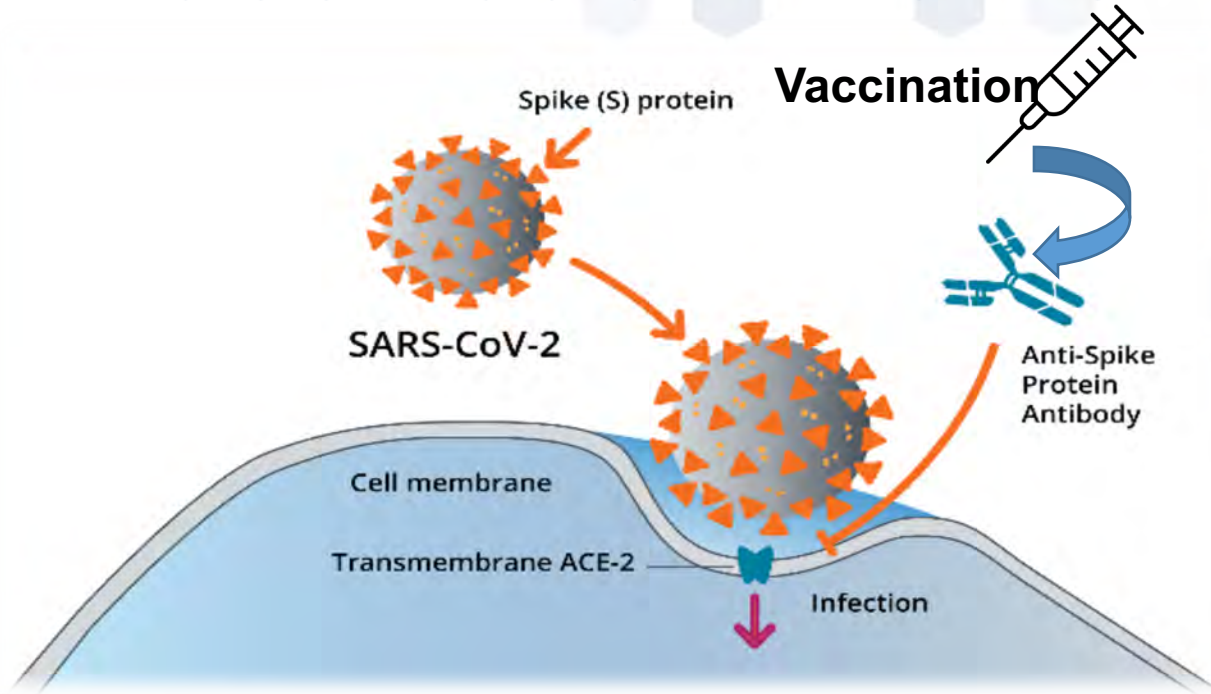
Risk of death in:





# COVID Vaccination

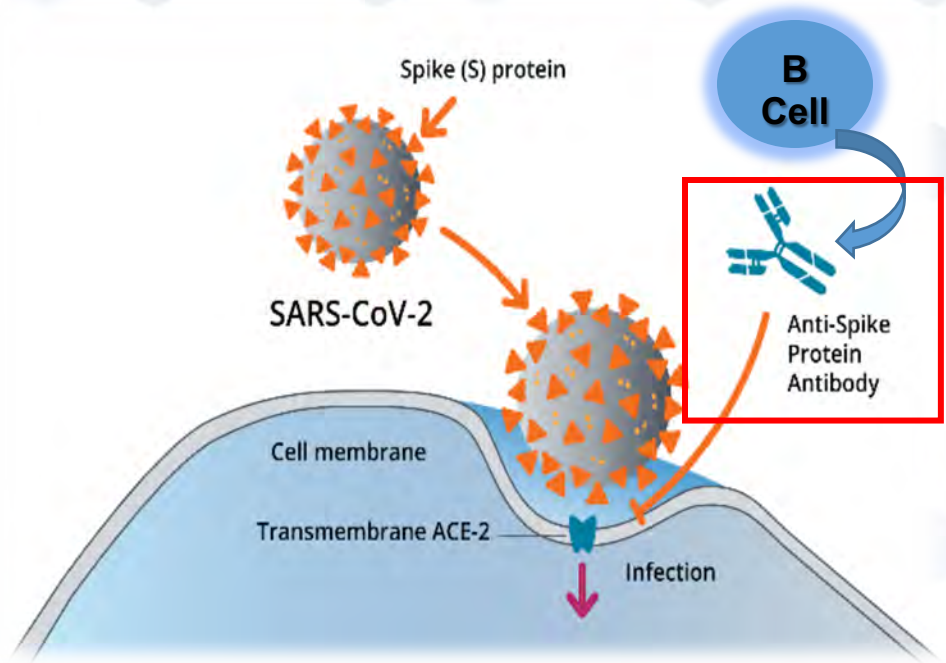
# How Vaccination Works



<https://www.cdc.gov/coronavirus/2019-ncov/lab/resources/antibody-tests-guidelines.html>

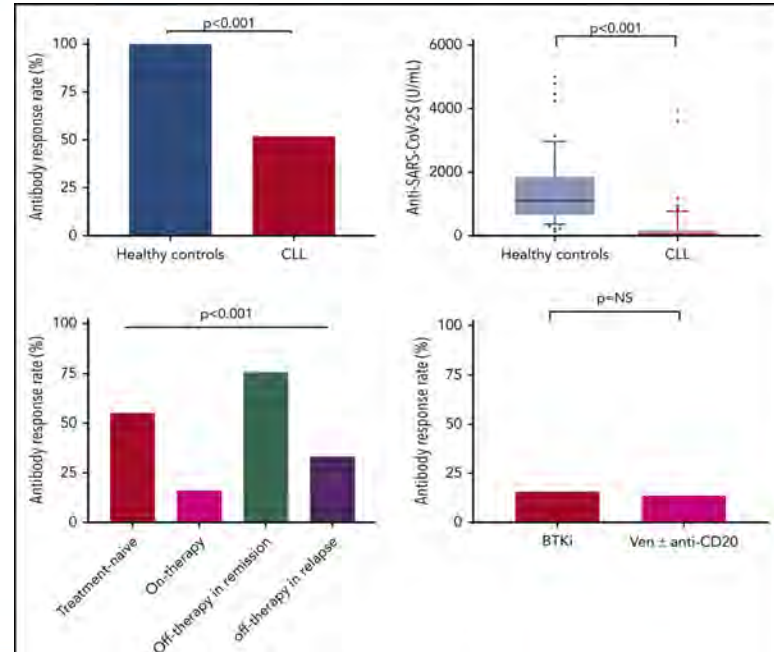
# How We Measure Vaccine Response

- Anti-Spike (S) antibody titers in blood
  - IgG
- Measurement of *one type of* immunity (does not assess T-cell mediated immunity)



# Impaired Vaccine Response in CLL

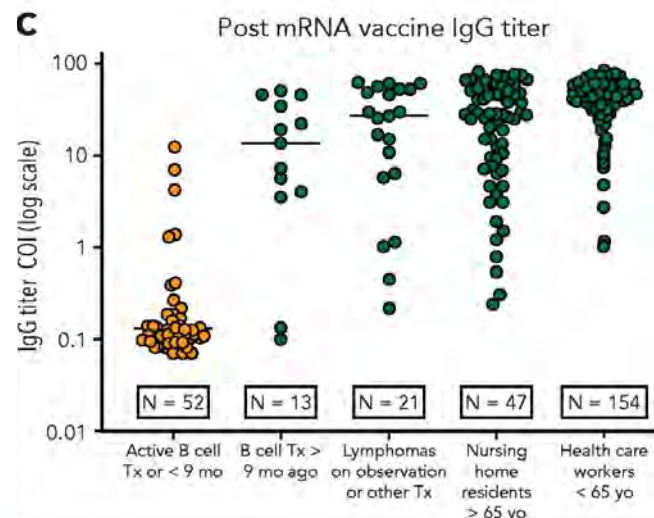
- Overall response (detected by antibodies): **40%** in CLL patients
- Patients in remission: **79%**
- Patients on “watch and wait”: **55%**
- Patients on any kind of treatment: **16%**





# B-Cell Directed Therapies Associated with Impaired Vaccine Response

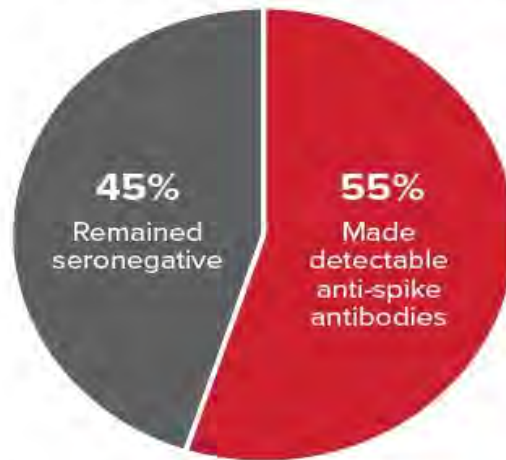
- Anti-CD20 antibody (Rituximab), BTK inhibitor (Ibrutinib)
- COVID vaccination **at least 9 months** from the last B-cell–directed treatment may result in improved antibody titers.



# What About Boosters for Those Who Did Not Respond to Initial Vaccinations?

- On August 12, 2021, the FDA amended EUA to allow booster dose for immunocompromised people
- Rituximab 6-12 months prior to vaccination is associated with failure to produce antibodies
  - Variable response with BTKi's

Third-dose response among patients who had no detectable antibodies after their initial first two doses\* (n=38)



\*Moderna or Pfizer BioNTech mRNA vaccines.  
All 11 patients in the study who had detectable antibodies after the first two doses had increased levels after dose 3.

# Treatment

# Monoclonal Antibody Therapy

- Goal: To prevent severe symptoms and hospitalization
  - *The earlier treatment is given, the better*
- Both for treatment and post-exposure prophylaxis\* in high risk groups
- 3 have received FDA EUA:
  - Casirivimab-imdevimab\*
  - Bamlanivimab-etesevimab\*
  - Sotrovimab
- **AZD7442**: 1<sup>st</sup> long-acting antibody combination in trial that may provide immunity up to 12 months
- Supply is limited; distributed by each state's dept of health
  - *Plan ahead of time where you can receive therapy*



# Monoclonal Antibody Therapy

Criteria for Use for **Treatment** (Utah):

- ✓ Test positive for SARS-CoV-2
- ✓ Currently have symptoms of COVID-19
- ✓ Be **within first 10 days** of symptom onset
- ✓ Be at high risk for severe illness from COVID-19

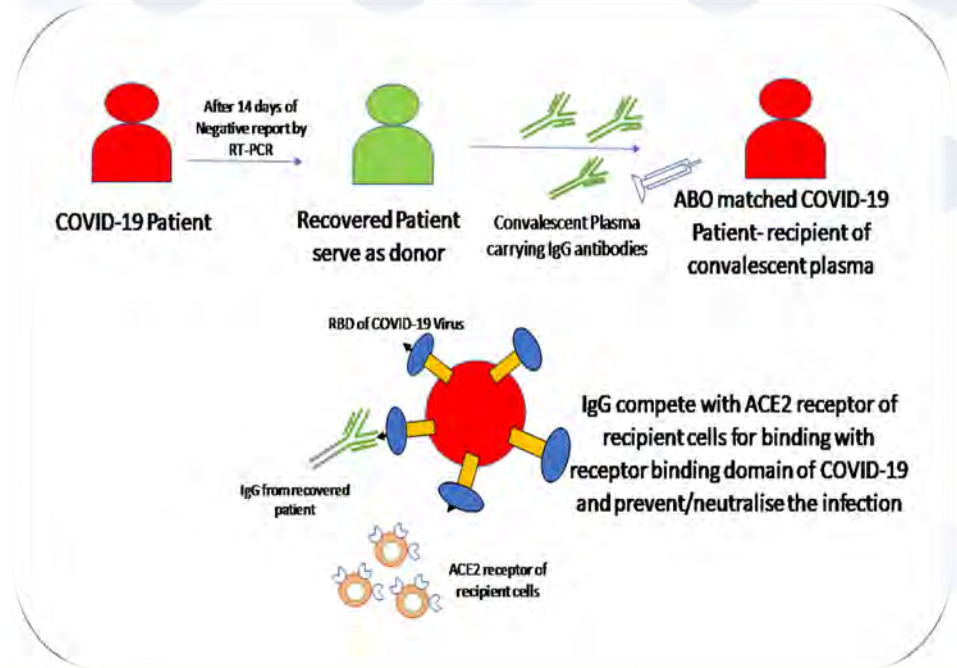
# Monoclonal Antibody Therapy

## Post-Exposure Prophylaxis

- ✓ Close contact with COVID+ person (4 days)
- ✓ High risk for progression to severe disease
- ✓ Not fully vaccinated OR inadequate response to vaccine

# Convalescent Plasma

- Plasma with antibodies from donors who have recovered from COVID-19
- Typically used for **hospitalized** patients with COVID-19 who have **impaired immunity**



# Summary/Recommendations

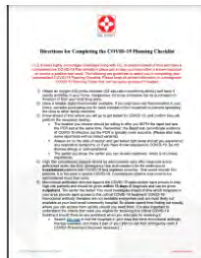
- Patients with CLL are at high-risk for severe COVID-19 illness, especially if on treatment
- There are likely vaccine responses outside of antibodies that are not easily measurable
- **Recommend all CLL patients receive a COVID-19 vaccine**
- Monoclonal antibody therapy may decrease risk of hospitalization, but supply is limited
- **Must continue to be vigilant with masking, washing hands, social distancing (without social isolation)**





# COVID-19 ACTION PLAN

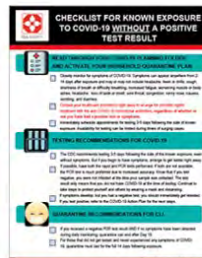
## Checklists for Chronic Lymphocytic Leukemia (CLL) Preparing for Pre and Post COVID-19 Exposure



Directions for Completing the  
COVID-19 Planning Checklist



Complete Prior To Exposure



COVID-19 Known Exposure  
Checklist



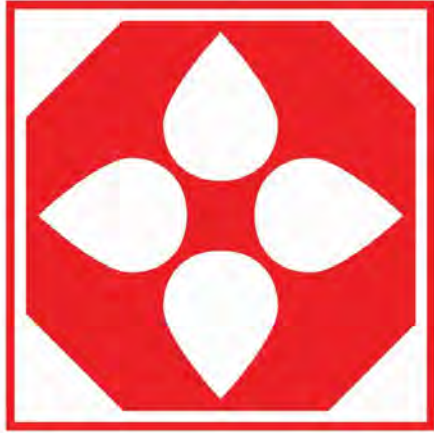
Household Quarantine Plan



Do These Things After Testing Positive for COVID-19

The worst of the pandemic may be behind us, but COVID-19 remains a serious risk for chronic lymphocytic patients and likely will be for some time to come.

<https://cllsociety.org/2021/07/covid-19-plan-checklists-for-chronic-lymphocytic-leukemia-cll-preparing-for-pre-and-post-covid-19-exposure/>



**CLL SOCIETY**

*Smart Patients Get Smart Care™*

**Doreen Zetterlund**  
CLL Patient and Advocate  
Actor and Project Manager  
CLL Society Volunteer



# The Patient Experience: Becoming Your Own CLL Project Manager



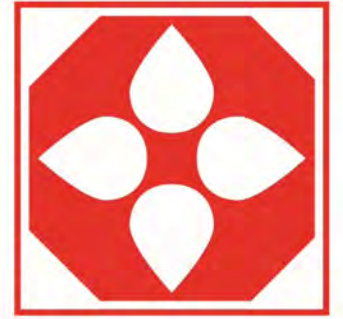
CLL SOCIETY



# Biography



- Living solo in SoCal since 1991
- Wayne State University, MFA Communication, Walsh College BBA
- Worked as: an actor, voice over artist, film & television Production Coordinator
- Presently working in entertainment based non-profit organization as a Project Manager
- New calling emerging as a CLL Patient Advocate



CLL SOCIETY



# Diagnosis



CLL SOCIETY



- 2015 SLL diagnosis
- 11q del, Trisomy 12, Notch1, Unmutated IgVH, ATM gene del
- 2016 CLL diagnosis
- 22 Months on Watch & Wait
- 2017 Acalabrutinib monotherapy Phase 3 clinical trial
- 5+ years in treatment
- August 2021 achieved 95.4% lymph node reduction, partial remission

# Becoming Your Own CLL Project Manager



CLL SOCIETY

A Project Manager needs to understand the following:

- Scope
- Terminology
- Stages of Process
- End Goal

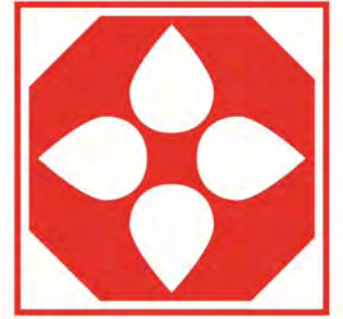
# The CLL Society Experience



CLL SOCIETY

- Community of people who understand diagnosis shock
- Information shared at support group meetings can be overwhelming at first
- Hard gear shift from my previous life and interests in the arts, to a new medically and scientifically oriented world

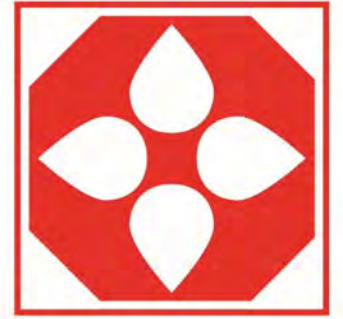
# Important Takeaways from CLL Society



CLL SOCIETY

- Watch & Wait is your friend
- Wisdom and advice from those who traveled the path
- Clinical trials
- CLL Society's "Prime Directive":
  - **Have a CLL specialist on your team, accept no substitutions!**
- CLL Society's Expert Access™ Program can help with 2<sup>nd</sup> opinions
- Timing is everything
- Smart Patients Get Smart Care™

# Helpful Resources From CLL Society



CLL SOCIETY

- CLL Society Patient & Caregiver Support Groups
- Putting together your CLL team
- CLL glossary & acronyms
- Normal lab values and keeping track of lab results
- List of CLL expert physicians by location
- Expert Access™ Program
- Weekly Alert emails



# Self Advocacy

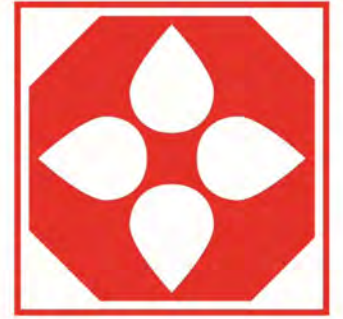


CLL SOCIETY

- You have to do the heavy lifting
- No one cares more
- No one knows better than you what is most important about your own quality of life
- The self-advocacy journey begins with:
  - Educating yourself
  - Care team/CLL specialist
  - Finding support to weather what comes



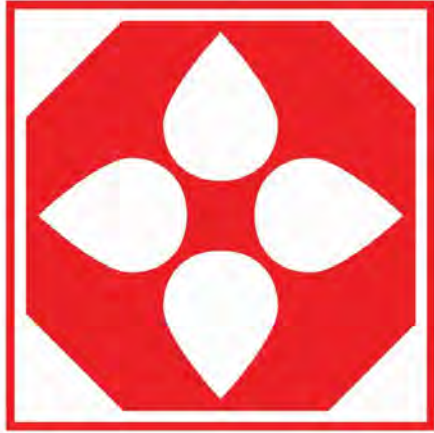
# Last Thoughts



CLL SOCIETY

- CLL/SLL diagnosis makes us a member of a club no one wants to join
- Good news! More and better treatment options than ever before, and normal life spans are possible
- Be your own best advocate, take charge of your treatment and care and let's get on with living!



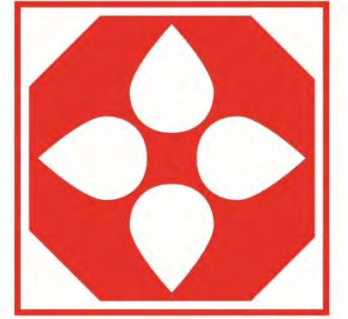


**CLL SOCIETY**

*Smart Patients Get Smart Care™*

Thank you!

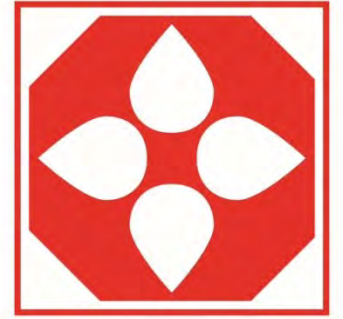
<http://cllsociety.org>



CLL SOCIETY

# Audience Questions & Answers

This program was made possible by grant support from



CLL SOCIETY

**Adaptive**  
biotechnologies™

**Genentech**  
*A Member of the Roche Group*

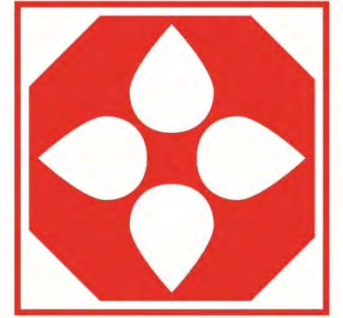
**Janssen**  
PHARMACEUTICAL COMPANIES  
OF *Johnson & Johnson*

**pharmacyclics®**  
An AbbVie Company



# Thank You for Attending!

Please take a moment to complete our **post-event survey**, your feedback is important to us



CLL SOCIETY

Join us on December 2<sup>nd</sup> for a COVID-19 Event focused on Monoclonal Antibodies

If your question was not answered, please feel free to email [asktheexpert@cllsociety.org](mailto:asktheexpert@cllsociety.org)

CLL Society is invested in your long life. Please invest in the long life of the CLL Society by supporting our work

**[cllsociety.org/donate-to-cll-society/](https://cllsociety.org/donate-to-cll-society/)**