

Novità dal Meeting della Società Americana di Ematologia

Bologna Palazzo Re Enzo 13-15 Febbraio 2025

COORDINATOR

Angelo Michele Carella Pier Luigi Zinzani BOARD SCIENTIFICO

Paolo Corradini Mauro Krampera Fabrizio Pane Adriano Venditti



Nicola Vianelli Elisa Lucchini

Immune Thrombocytopenia (ITP)

Novità dal Meeting della Società Americana di Ematologia

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Disclosures of Nicola Vianelli

Company name	Research support	Employee	Consultant	Stockholder	Speakers bureau	Advisory board	Other
				NONE			

Principali «appuntamenti» scientifici relativi all'ITP in San Diego 2024

- ITP breakfast PDSA (Platelet Disorder Support Association)
- Sessione Educazionale
- 12 oral +1 oral Plenary Session
- 38 poster

Educational 1: Waleed Ghanima, MD, PhD

Østfold Hospital Gralum, Norway

Insights on Treatment of Adult ITP: Algorithm for Management and

Role of Multimodal Therapy

Educazional 2: Michele P. Lambert, MD
Children's Hospital of Philadelphia, Philadelphia, PA
On the Horizon: Upcoming New Agents for the Management of ITP

Educational 3: Annemarie E Fogerty, M.D. Massachusetts General Hospital Boston, MA

ITP in Pregnancy: Diagnostics and Therapeutics in 2024

ITP breakfast PDSA (Platelet Disorder Support Association)



Living under the sword of Damocles



Giuseppe Auteri Hematology Unit, University of Ferrara, Ferrara, Italy
Laura Ricci President of DOCEAT, Firenze, Italy

Barbara Lovrencic, president AIPIT aps Caprino Veronese, Italy

"Why" of this project?



In recent years, scientific studies have highlighted the significant negative impact of ITP on the quality of life of those affected.

Anxiety stemming from platelet count instability causes individuals with ITP to live with a constant sense of having the Sword of Damocles hanging over their heads.

Psychological Support in ITP Care

Standard care often overlooks psychological support.

Patients express the need for support from different sources, especially at the time of diagnosis/relapse.*



The "Living under the Sword of Damocles" (jan-dec 2024)

Key Objectives:

- Alleviate anxious-depressive symptoms in ITP patients.
- Provide targeted support to caregivers.
- Raise awareness of the psychological burden of ITP among hematologists bringing new understanding of patients experience

Patient (20) group specific results

Caregivers (11)

Physicians (10) specific results

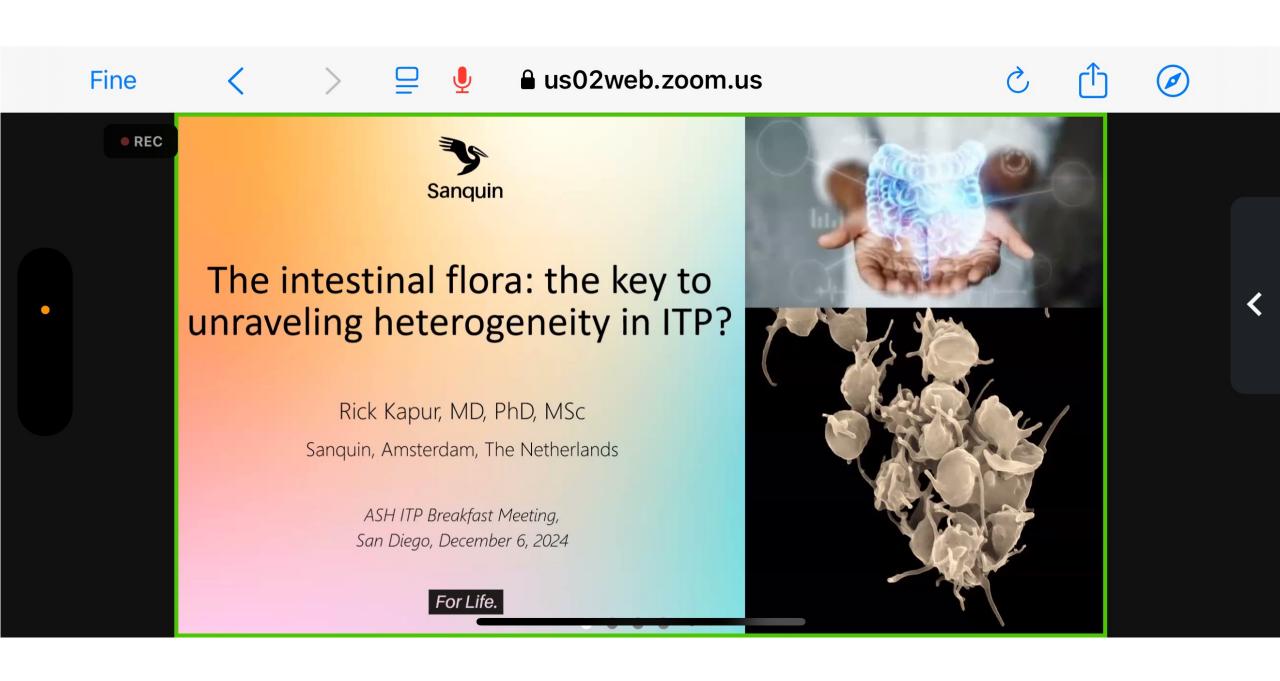


The following awareness emerged:

- the importance of having psychological support as they work alongside patients and their caregivers through the various stages of disease and, especially, chronicity;
- recognize their own emotions and use them as a personal resource, for their teams and patients;
- 3. share strategies for dealing with patients' anger and aggression;
- 4. optimize follow up visits for more constructive limited available time
- awareness to seek new approaches to guide patients to embrace the care of the entire team and not just of the referring hematologist.

We have found qualitative outcomes:

- 1. normalize the disease, finding a renewed balance and ability to integrate the ITP into daily life;
- a better understanding of what the disease looks like in their bodies and a significant improvement in managing anticipatory anxiety;
- 3. feeling more **supported** and understood by those around them
- being able to share with those who have the same experience, reducing the feeling of loneliness (independently of gender, age, ITP phase);
- applying learned tools to divert daily or obsessive attention away from the platelet count and the fear of the relapses.



Fine









aus02web.zoom.us







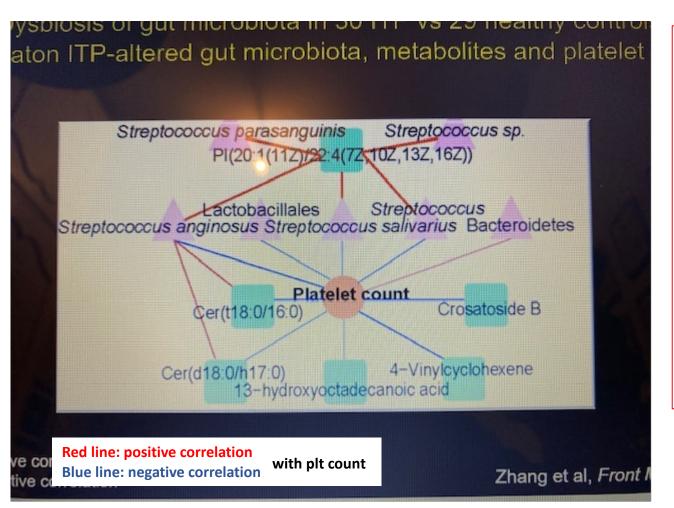
REC

Gut microbiota and ITP: studies so far

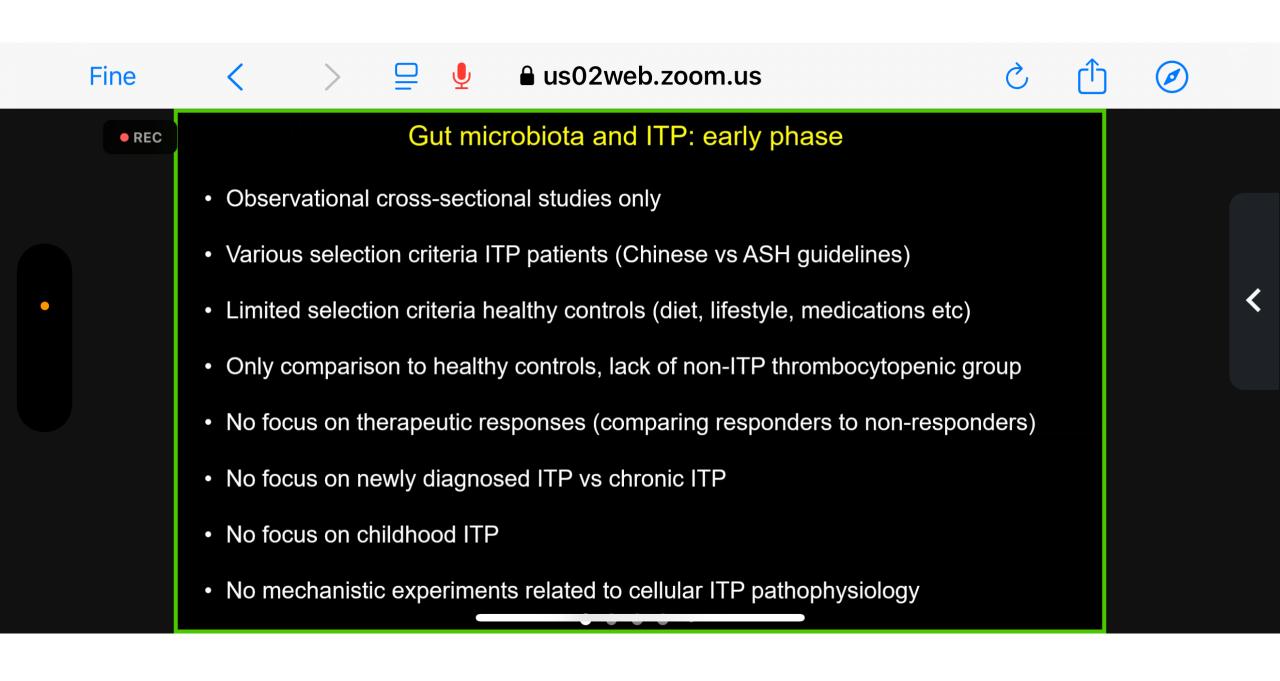
Study	Patients	Finding
 Jiang et al, Int J Hematol 2024 Li et al, Front Microbiol 2024 Guo et al, Front Microbiol 2023 	Mendelian randomization study	Several microbial taxa are potentially causally linked to ITP
Wang et al, <i>Hematology</i> 2023	40 ITP vs 33 healthy controls	Intestinal flora alterations in ITP patients caused by inflammation
Rui et al, <i>Front Cell Infect Microbiol</i> 2023	37 ITP vs 36 healthy controls	More abundant bacteria genera, specifically pseudomonas, in ITP patients
Yu et al, <i>Front Med</i> 2022	29 ITP vs 33 healthy controls	Relationship between microbiota and fatty metabolism in ITP
Wang et al, <i>Sci China Life Sci</i> , 2021	99 ITP vs 52 healthy controls	Corticosteroid-resistant ITP patients displayed a distinct gut microbiome
Zhang et al, <i>Front Microbiol</i> , 2020	30 ITP vs 29 healthy controls	Dysbiosis of gut microbiota and metabolome in ITP
Liu et al, <i>Thromb Res</i> 2020	9 ITP vs 10 healthy controls	Distinct microbiota dysbiosis in ITP characterized by alterations in biodiversity and composition

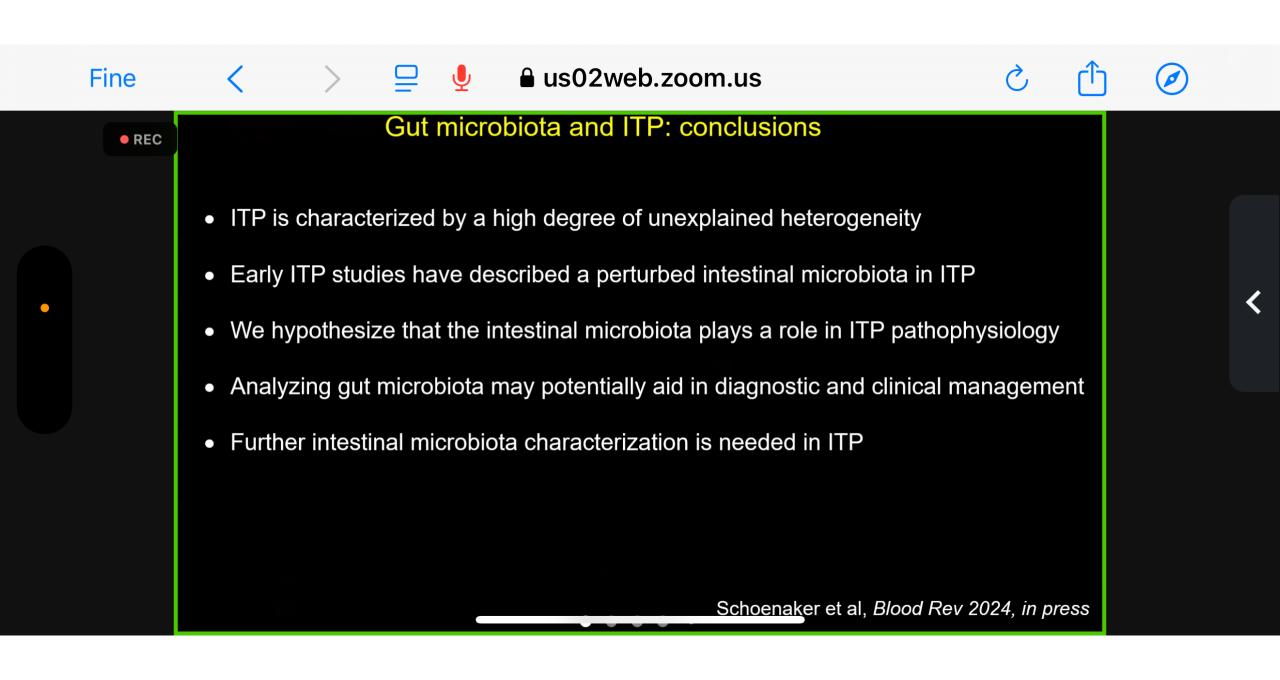
Gut Microbiome and Metabolome
Were Altered and Strongly
Associated With Platelet Count in
Adult Patients With Primary Immune
Thrombocytopenia

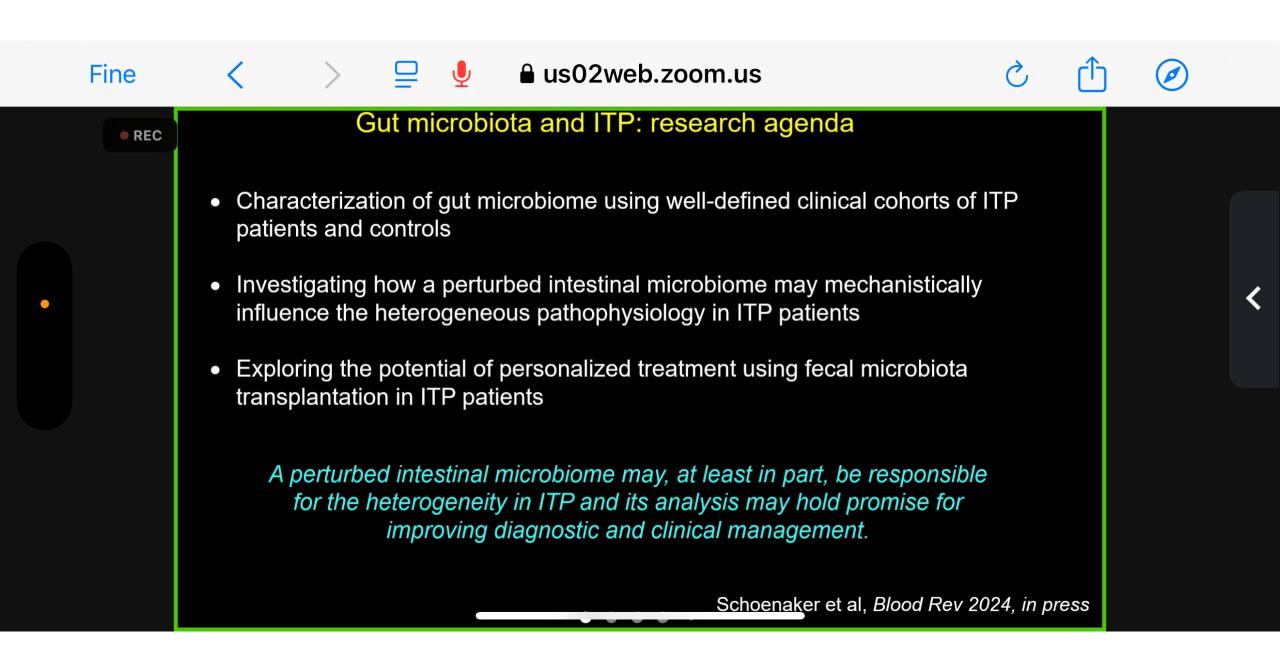
Zhang X et al Front in Microb 2020



- The findings of this study showed that the alterations of ITP gut microbiota were mainly due to enrichment of Lactobacillus, Streptococcus and their members, as well as depletion of Bacteroides and their members.
- In addition, fecal metabolomes of ITP patients comprised ITP-enriched Cer (t18:0/16:0) and the ITP-depleted lysoPE (14:0/0:0) and were significantly different from those of HCs.
- Lactobacillales and its members, including Streptococcus (p = 1.73E-06), S. anginosus (p = 2.00E-06) and S. salivarius (p = 8.95E-06) were highly negatively (blue lines) correlated with platelet counts, while Bacteroidetes (p = 4.92E-06) were highly positively (red lines) correlated with platelet count.
- Meanwhile, lipids and lipid-like molecules Cer (t18:0/16:0) (p = 1.67E- 06), 13-hydroxyoctadecanoic acid (p = 3.10E-06), Cer (d18:1/17:0) (p = 3.62E-06), Crosatoside B (p = 3.76E-06) and 4-Vinylcyclohexene (p = 9.11E-07) were highly negatively (blue lines) correlated with platelet count.
- The intestinal flora and its metabolites may play a key role in the development of ITP.
- Overall, these results may contribute to research in pathogenesis research, diagnosis and treatment of ITP.

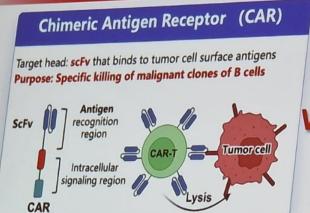


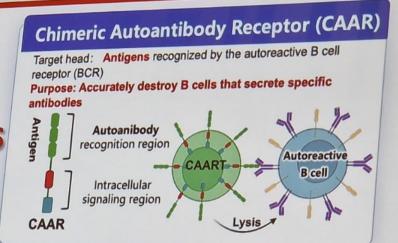




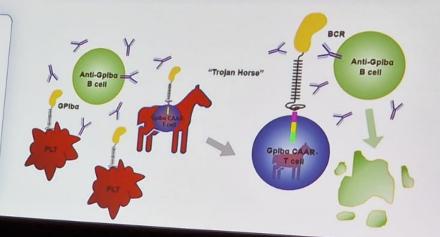
Heng Mei, a us02web.zoom.us Fine Wuhan, China REC Reason (2)--CAR T-cell therapy induces deep tissue depletion of B cells Pre-CAR B-cell lineage differentiation Imm B | Mature | Memory | Plasma | Plasma | Target | Tumour cells blast B cell B cell B cell B cell B cell cell antigen B cell CD19 Bcell **CD20** B cell CD22 PC **BCMA** CD38 PC CD138 PC In SLE patients, compared to RTX treatment, CD19-CAR-T cell therapy results in the complete depletion of the B cell maturation compartment, including the disappearance of the follicular dendritic cell (FDC) ITP Breakfast collicular helper (TEH) cells, along with a reduction in B cell proliferation (<90%).

Our exploration 2 —— Application of CAAR-T therapy in ITP





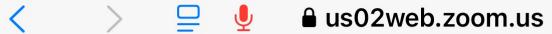
Camouflaging CAAR-T cells targeting the GPIba molecule associated with refractory relapsed ITP as platelets to recognize and eliminate autoreactive B cells secreting specific antibodies.

















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Our exploration — Clinical Trials of CAR-T at our center

Name	Туре	Indication	Mechanism	Target
PRG-1801	CAR-T cells	ITP	Remove autoantibody-producing memory B cells, plasmoblasts, and plasma cells	ВСМА
IASO-782	Fully Human Antibody	ITP AIHA	Clear CD19+ B cells and plasma cells by ADCC and ADCP	CD19



Car-T nelle piastrinopenie secondarie a malattie autoimmuni (Lupus, Sclerosi sistemica, Miastenia gravis, etc) e nelle ITP primarie

PRO

- Risultati molto promettenti (in primis anti-CD19 e anti-BCMA)
- Attività profonda e prolungata per marcata deplezione dei cloni autoreattivi
- Remissione libera da terapie immunosoppressive
- Impatto favorevole su QoL
- Costi ? (Terapia one shot vs. terapie croniche...)

Heng Mei

CONTRO

- Disponibilità non immediata (leucoaferesi e manufacturing)
- Costi ? (Procedura e terapie di supporto costose)
- Tossicità (sebbene profilo di safety molto buono)
 quali CRS, ICANS, IEC-HS* (simil-HLH), ICAHT*
 (tossicità ematologica)
- Rischio infettivo
- Seconde neoplasie (?)
- Target eterogenei per patogenesi eterogenee;
 quale il migliore? (anti CD19? BCMA? GP1bα?)

Nichola Cooper

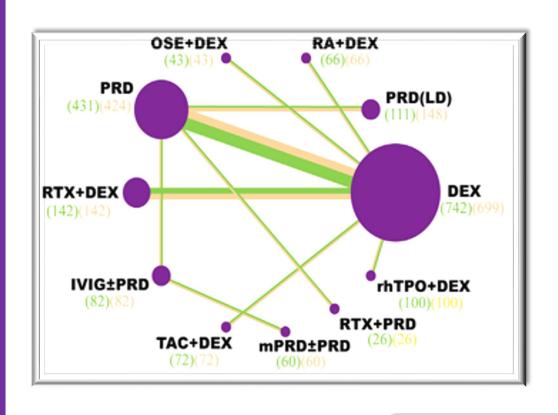


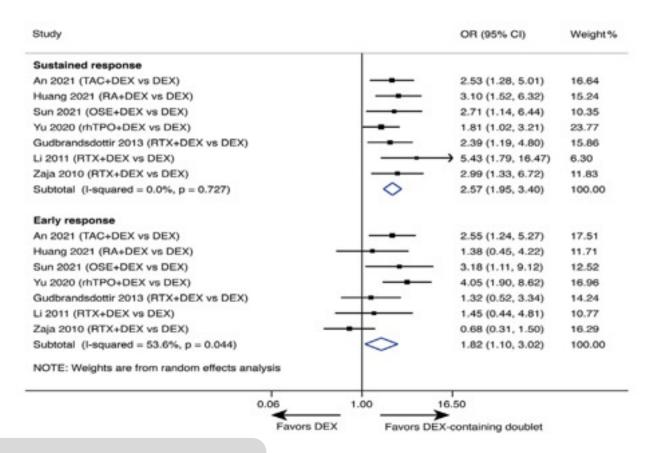
Insights on treatment of ITP: Algorithm for Management And Role of Multi-Modal Therapy

Waleed Ghanima¹, Adam Cuker², Marc Michel³

- 1. Østfold Hospital, Norway and Institute of Clinical Medicine, University of Oslo, Norway
- 2. Department of Medicine and Department of Pathology & Laboratory Medicine, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA, USA
- Department of Internal Medicine and Clinical Immunology, Henri Mondor University Hospital, Assistance Publique-Hôpitaux de Paris, Université Paris-Est Créteil, Créteil, France.

Combination therapies improve early and sustained response rates in **newly diagnosed** ITP





Early Response: OR 1.82; 95% CI 1.10–3.0

Sustained Response: OR 2.57; 95% CI 1.95–3.4

Courtesy by Ghanima

Two ongoing trials currently evaluating the efficacy of TPO-RA + dexamethasone as **upfront therapy**

NCT04346654 Eltrombopag + DEX (XPAG-ITP)

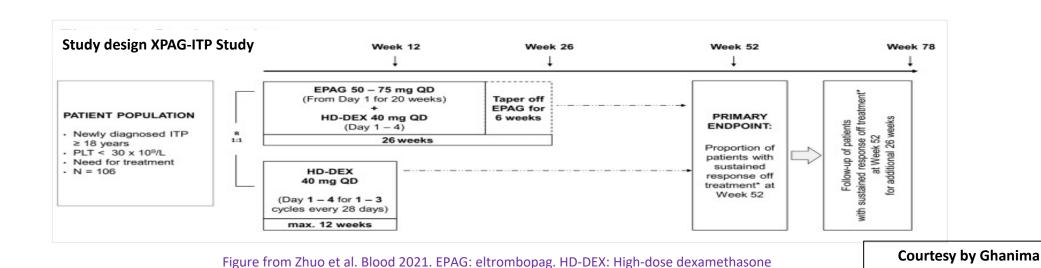
NCT05325593 Romiplostim + DEX (RODEX)

Phase 2, multiceter, randomized (1:1), open-label study. Efficacy and Safety of Eltrombopag + DEX as first-line in adults patients with newly diagnosed primary ITP

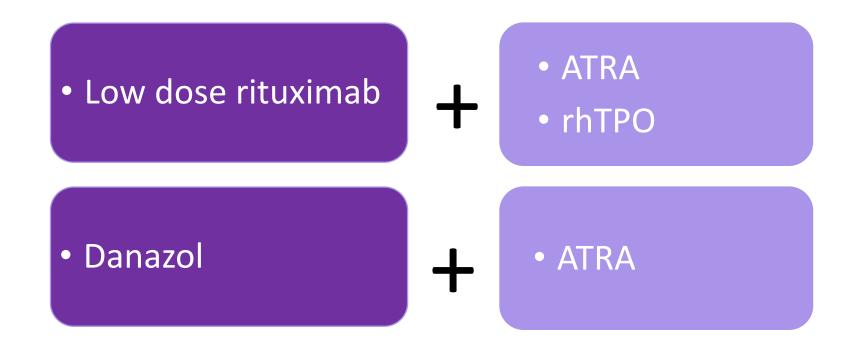
Open label, randomized (1:1), phase 3 study.

Compare romiplostim plus DEX vs DEX alone in patients

with newly primary ITP



Multi-modal combinations in the second line

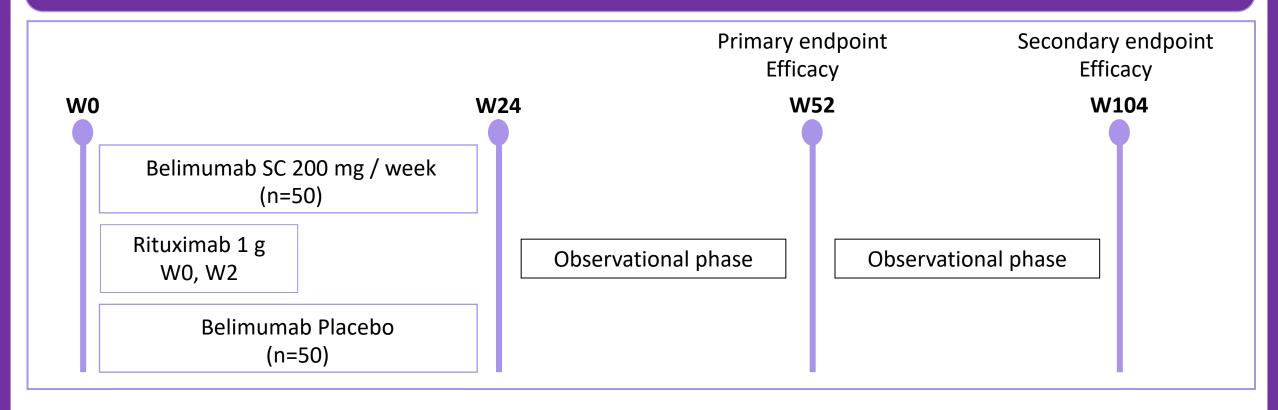


Courtesy by Ghanima

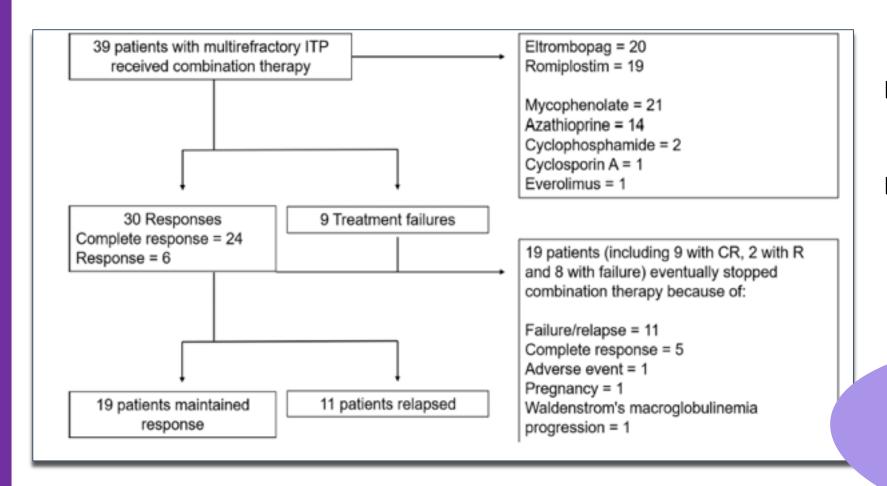
RITUX-PLUS 2 compares the efficacy of rituximab/belimumab vs rituximab/placebo in adults with persistent /chronic ITP

Courtesy by Ghanima

The combination of rituximab and belimumab was shown to be effective providing initial response in 87% in a single arm study of 15 patients



Multi-refractory ITP: combining immunosuppressive drugs with TPO-RA - an update on the French experience

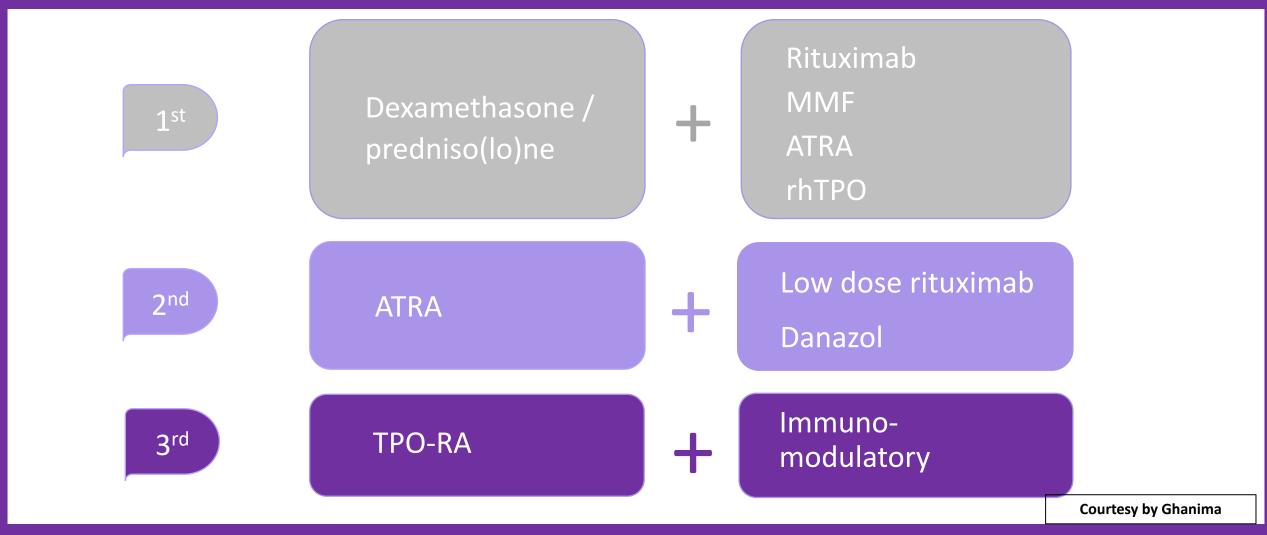


- → 77% achieved at least a response
- After a median follow-up of 21 months
 - ☐ 63% in response
 - ☐ 37% relapsed

Multi-refractory defines as failure to response to rituximab, romiplostim and eltrombopag, and splenectomy (except if splenectomy was contraindicated or refused by the patient)

Courtesy by Ghanima

Most multi-modal combination therapy approaches have shown prolongation of sustained response rates

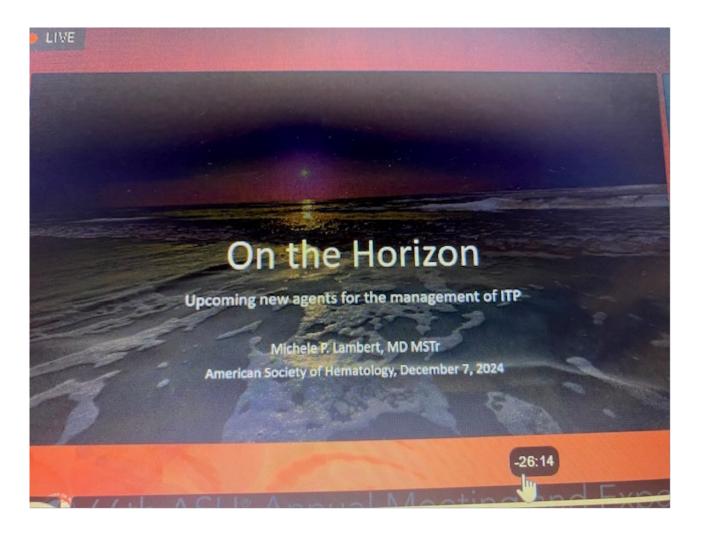


Despite encouraging results, and apart from refractory ITP, the use of multi-modal combinations remains very limited

Multiple reasons for limited use of combination therapies

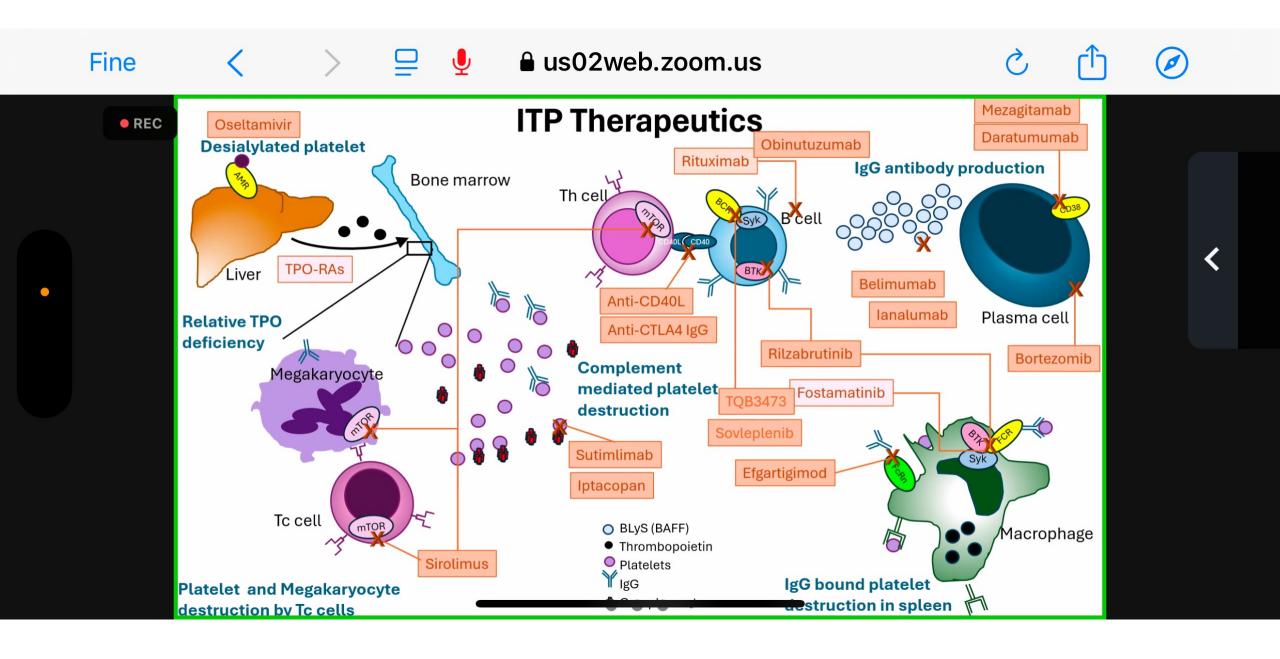


Ongoing trials on multi-modal combination may change the therapeutic landscape in the future



Educazionale: Michele P. Lambert, MD Children's Hospital of Philadelphia Philadelphia, PA

On the Horizon: Upcoming New Agents for the Management of ITP



Plasma cell inhibition: Anti-CD38

- Targets CD38 expressing plasma cells
- Reports of use of daratumumab and now open-label, phase 2 dose escalation study
- Current study (phase 2) of TAK-079 (Mezagitamab)
- CM313 phase 1-2 study recently reported















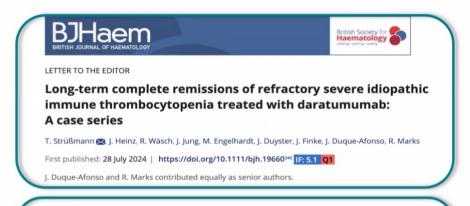




Anti-CD38 mAb in ITP

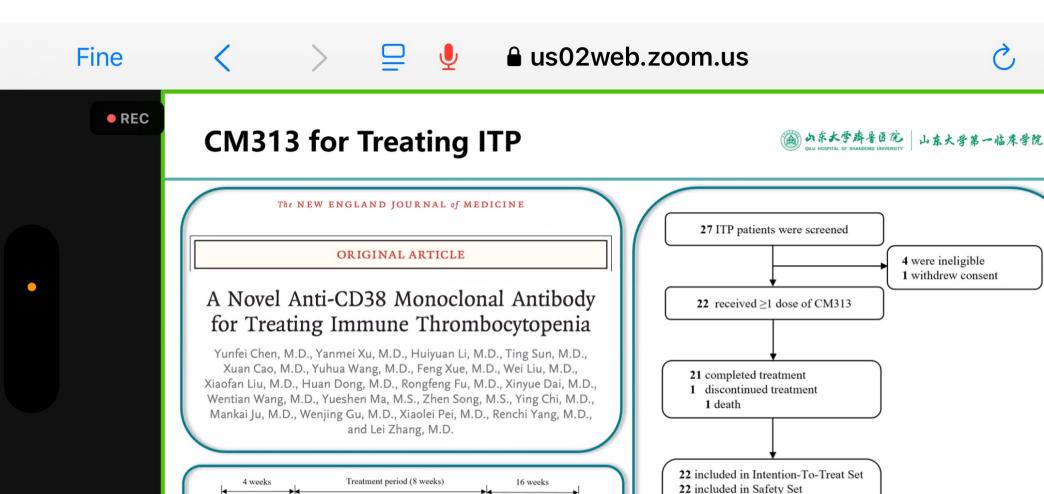








Hu Y, et al. Br J Haematol. 2024 Jul;205(1):300-305.
 Strüßmann T, et al. Br J Haematol. 2024 Oct;205(4):1618-1621.
 Vernava I, Schmitt CA. Blood Cells Mol Dis. 2023 Mar;99:102724.
 Galina Tsykunova, et al. Blood 2021; 138 (Supplement 1): 2088.



EOT/W8

EOS/W24

CM313 16mg/kg, QW, IV (n=22)

Day 0

21 included in Pharmacodynamics

19 included in Immunogenicity Set

Analysis Set















REC

Treatment outcomes



Table S4. Treatment Outcomes		
Outcomes*	Total Patient (N=22)	95% CI
Primary endpoint ^d , n (%)	21 (95)	[77.2, 99.9]
PLT \geq 50 × 10%/L at least once within 12 weeks, n (%)	21 (95)	[77.2, 99.9]
PLT \geq 30 \times 10°/L with a \geq 2-fold increase from the baseline count (\geq 2 consecutive measurements) within 8 weeks, n (%)	21 (95)	[77.2, 99.9]
Time to the first PLT $\geq 30 \times 10^9 / L$, median (range), weeks c	1 (1-3)	
Time to the first PLT $\geq 50 \times 10^9 / L,$ median (range), weeks g	1 (1-3)	
Cumulative response duration of PLT $\geq 30 \times 10^9 / L$ within 24 weeks $^{\$},$ median (IQR), weeks	24 (17-24)	
Cumulative response duration of PLT $\geq 50 \times 10^9 / L$ within 24 weeks, median (IQR), weeks	23 (17-24)	
Durable sustained platelet count response rate ³ , n (%)	14 (64)	[40.7, 82.8]
Overall response (OR) rate at week 88, n (%)	18 (82)	[63.7, 97.0]
OR rate at week 12 [§] , n (%)	19 (86)	[69.6, 98.8]
OR rate at week 248, n (%)	14 (64)	[43.0, 85.4]
OR rate within 24 weeks§, n (%)	21 (95)	[77.2, 99.9]
Complete response (CR) rate within 24 weeks, n (%)	20 (91)	[70.8, 98.9]
Partial response (PR) rate within 24 weeks, n (%)	1 (5)	[0.1, 22.8]

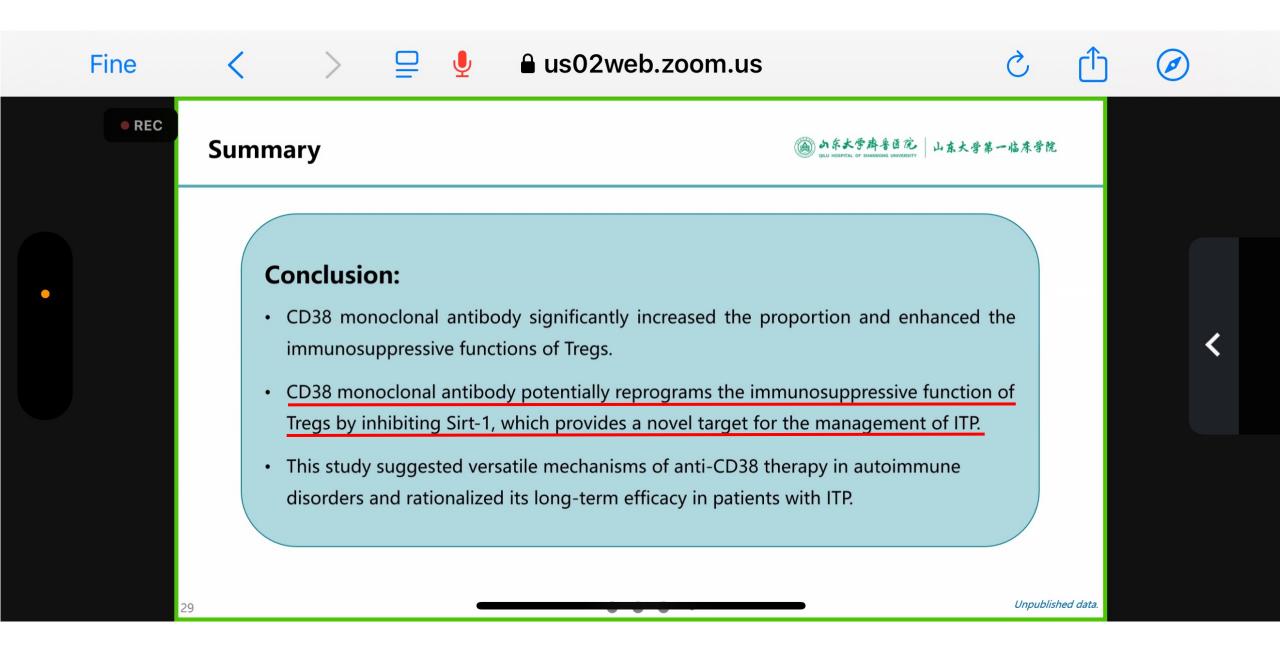
Primary Outcomes:

- Efficacy after CM313 treatment within 8 weeks
- · Safety of CM313

A total of 21 of the 22 patients (95%) had two or more consecutive platelet counts of at least 50×10^9 per liter during the 8-week treatment period, with a median cumulative response duration of 23 weeks (interquartile range, 17 to 24).

Secondary Outcomes:

- Other efficacy evaluation
- Duration from treatment initiation to platelet count ≥30×10⁹/L and ≥50×10⁹/L
- Cumulative weeks of platelet ≥30×10⁹/L and platelet ≥50×10⁹/L
- · Number of subjects with clinically significant bleeding
- Measurements of platelet glycoprotein autoantibodies
- Measurements of immunoglobulin quantification
- Measurements of various subsets of immune cells



Immune Mechanism: B and T cell directed therapies

- Several therapies targeting anti-platelet antibodies:
 - Anti-CD20 antibodies (rituximab and similar)
 - · BLyS (BAFF) inhibitors
 - BTK inhibitors
 - Syk inhibitors
 - Anti-plasma cell therapies
 - · Anti-FcRN
- T cell directed therapies
 - Sirolimus
 - Anti CD40/CD40L



711 Preliminary Efficacy and Safety Results of TQB3473, a Novel Syk Inhibitor, in Adult Patients with Immune Thrombocytopenia (ITP), Hu Zhou et al.

712 Updated Outcome from Biomarker MSC-C5b-9-Guided All-Trans Retinoic Acid Treatment for Resistant/Recurrent ITP: A Multicenter, Randomized, Open-Label, Phase 3 Clinical Trial, Menglin Li et al.

713 Avespa Study: Effectiveness and Safety of Avatrombopag in Immune Thrombocytopenia (ITP). a Real-World Study of the Spanish ITP Group (GEPTI), Maria Cristina Pascual Izquierdoet al. al.

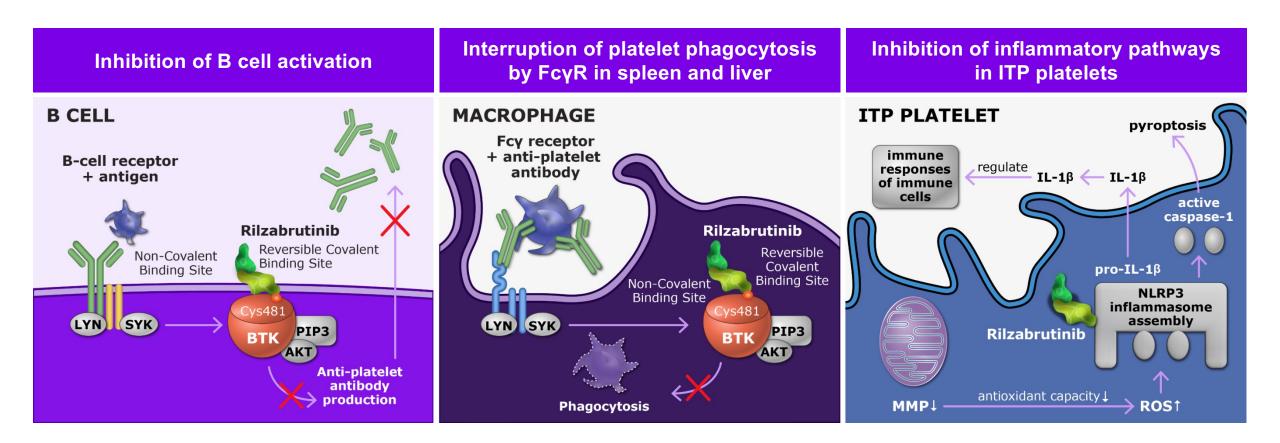
- Overall, 21/36 (58.3%) achieved responses (at least 1 platelet counts >50x10⁹/L within 12 weeks without rescue medication), and the response rate was 0, 63.0% and 66.7% at 400mg, 600mg and 800mg/day, respectively.
- The overall durable response (platelets counts >50x10⁹ /L for at least 4 of 6 scheduled visits) rate was **30.6%**, which was 0, **33.3%** and 33.3% at 400mg /day, **600mg /day** and 800mg/day, respectively **(treatment duration 24 weeks)**
- Median time to first platelet counts >50x10⁹/L for patients responded at 600mg /day was 25 days (3-70). In primary responders, platelet counts >50x10⁹/L were maintained for 89% of visits.
- Previous clinical trials firstly confirmed the efficacy and safety of all-trans retinoic acid (ATRA) in the treatment of ITP and revealed that MSC-C5b-9 may be a stratification marker for evaluating the efficacy of ATRA (Lancet Haematol, 2021; Blood, 2022).
- Multicenter, randomized clinical trial; 96 patients were enrolled, including 29 (30%) MSC-C5b-9-positive patients.
- ATRA 10mgx2/day x 12w combined with eltrombopag vs elt alone (control) based on MSC-C5b-9 for the treatment of steroidresistant/recurrent ITP.
- There was no significant difference in the complete response rate or response rate (IR and ER) between the two groups (p>0.05).
- Notably, among the MSC-C5b-9-negative patients, the ATRA group had a significantly higher CR rate and better treatment efficacy compared with the control group (p=0.008, p=0.038).
- Among all the patients, <u>SR</u> was achieved in 64.5% of patients in the ATRA group compared with 33.3% of patients in the control group (p=0.015) at 18 months after enrollment.
- Among the MSC-C5b-9-negative patients, SR was achieved in 72% of patients in the ATRA group, whereas it was achieved in 23.8% of patients in the control group (p=0.003) at 18 months after enrollment.
- 268 pts recruited from 28 Spanish hospitals and followed for a median of 47 months
- When AVA treatment started, 193, 46 and 29 had severe (PC <50x10⁹ /L), moderate (50- 100x10⁹ /L) and mild (>100x10⁹ /L) ITP, respectively. Prior to switching to AVA 197 (73%) and 106 (40%) patients had used >2 and >3 lines of treatment, respectively.
- In the severe ITP group, 154/193 (79.8%) and 20/193 (10.4%) patients achieved CR (PC>100x10⁹ /L) and R (PC>50x10⁹ /L), respectively.
- Among 129/193 (67%) severe ITP patients who were still on AVA at their last visit, 87 (67.4%) and 26 (20.1%) had CR and R, respectively.
- Severe ITP patients reached R and CR in 13 (7-21) and 14 (9-35) days, respectively.
- 65% of pts did not experience any AE, and 9/268 (3.3%) pts experienced a thromboses, none fatal; 40/268 (15%) discontinued for thrombocytosis.
- At the end of follow-up, 185/268 (69%) pts were still on AVA treatment (stability of response).

Efficacy and Safety of Oral Bruton Tyrosine Kinase Inhibitor Rilzabrutinib in Adults With Previously Treated Immune Thrombocytopenia: A Phase 3, Placebo-Controlled, Parallel-Group, Multicenter Study (LUNA 3)

David J. Kuter,¹ Waleed Ghanima,² Nichola Cooper,³ Howard A. Liebman,⁴ Lei Zhang,⁵ Yu Hu,⁶ Yoshitaka Miyakawa,⁷ Luisa Elena Morales Galindo,⁸ Ana Lisa Basquiera,⁹ Chuen Wen Tan,¹⁰ Güray Saydam,¹¹ Marie Luise Hütter-Krönke,¹² Chatree Chai-Adisaksopha,¹³ David Gómez Almaguer,¹⁴ Huy Tran,¹⁵ Ho-Jin Shin,¹⁶ Maria Cristina Pascual Izquierdo,¹⁷ Ilya Kirgner,¹⁸ Elisa Lucchini,¹⁹ Ganna Kuzmina,²⁰ Sylvain Audia,²¹ Matias Cordoba,²² Remco Diab,²³ Mengjie Yao,²⁴ Michelle J. Lee,²² and Ahmed Daak²² (LUNA 3 Trial Group)

¹Hematology Division, Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA; ²Østfold Hospital Trust, Grålum, Norway and Institute of Clinical Medicine, University of Oslo, Oslo, Norway; ³Hammersmith Hospital, London, United Kingdom; ⁴University of Southern California, Los Angeles, CA, USA; ⁵Institute of Hematology & Blood Diseases Hospital, Chinese Academy of Medical Sciences & Peking Union Medical College, Tianjin, China; ⁶Wuhan Xie'he Hospital, Wuhan, China; ⁷Department of Hematology, Saitama Medical University, Saitama, Japan; ⁸IC La Serena Research SpA, La Serena, Chile; ⁹Hospital Privado Universitario de Córdoba-Instituto Universitario de Ciencias Biomédicas de Córdoba (IUCBC), Cordoba, Argentina; ¹⁰Department of Hematology, Singapore General Hospital, Singapore; ¹¹Internal Medicine and Hematology, Faculty of Medicine, Ege University, İzmir Türkiye; ¹²Department of Hematology, Oncology and Tumorimmunology, Charité - Universitätsmedizin Berlin, Freie Universität Berlin and Humboldt Universität zu Berlin, Berlin, Germany; ¹³Maharaj Nakorn Chiang Mai Hospital, Chiang Mai, Thailand; ¹⁴Hospital Universitario Dr. Jose Eleuterio Gonzalez, Monterrey, Mexico; ¹⁵Peninsula Private Hospital, Frankston, Victoria, Australia; ¹⁶Division of Hematology-Oncology, Department of Internal Medicine, Biochemical Research Institution, Pusan National University Hospital, Pusan National University School of Medicine, Busan, Republic of Korea; ¹⁷Instituto de Investigación Gregorio Marañon, Madrid, Spain; ¹⁸Tel Aviv Sourasky Medical Center, Tel Aviv, Israel; ¹⁹UCO Ematologia, Azienda Sanitaria Universitaria Giuliano-Isontina, Trieste, Italy; ²⁰Municipal Enterprise Kryvyi Rih City Clinical Hospital #2 of Kryvyi Rih City Council, SI Dnipropetrovsk Medical Academy under the Ministry of Health of Ukraine, Kryvyi Rih, Ukraine; ²¹CHU Dijon Bourgogne - Hopital Francois Mitterrand, Dijon, France;

Rilzabrutinib is an Oral, Reversible, Potent BTK Inhibitor



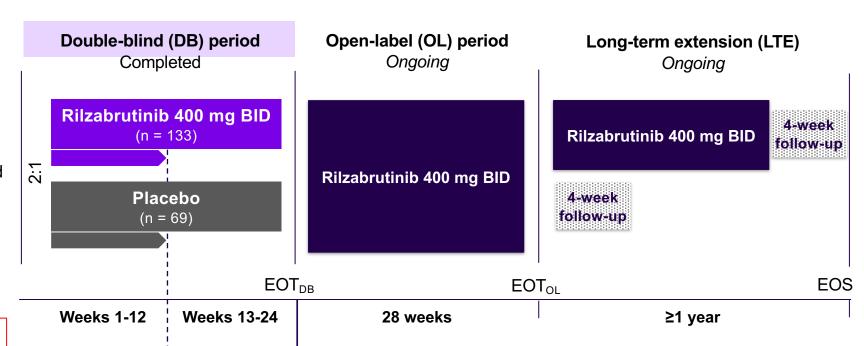
BTK inhibition impacts different mechanisms that target key aspects of ITP disease pathophysiology¹⁻⁴

^{1.} Kuter DJ, et al. *Ther Adv Hematol*. Copyright © 2023, © SAGE Publications. 2023;14. doi: 10.1177/20406207231205431. 2. Langrish CL, et al. *J Immunol*. 2021;206(7):1454-1468. 3. Wang S, et al. *Thromb Res*. 2021;199:1-9. 4. Daak A, et al. *Blood* (ASH). 2024;abstract 2482.

LUNA 3 Study Design

Adult patients (pediatric ongoing)

- Age ≥18 years
- Persistent or chronic primary ITP
- Prior IVIg/anti-D or CS but not sustained
- Qualifying platelet counts <30×10⁹/L
- Allowed stable concomitant CS and/or TPO-RA



Median number prior therapy before trial: 4

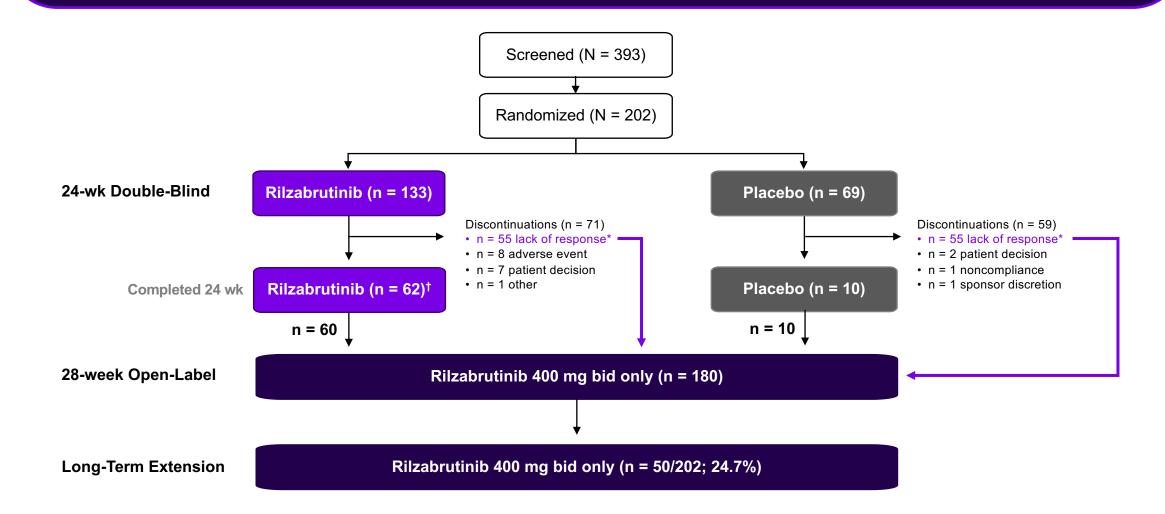
Platelet response (week 13)

- Platelet count ≥50×10⁹/L or ≥30–<50×10⁹/L and doubled from baseline
- Non-responders: option to discontinue or proceed to open-label on rilzabrutinib only

Durable response (week 25) Primary endpoint

 Platelet count ≥50×10⁹/L for ≥ two-thirds of last 12 weekly (8/12) visits in the absence of rescue therapy

Patient Disposition

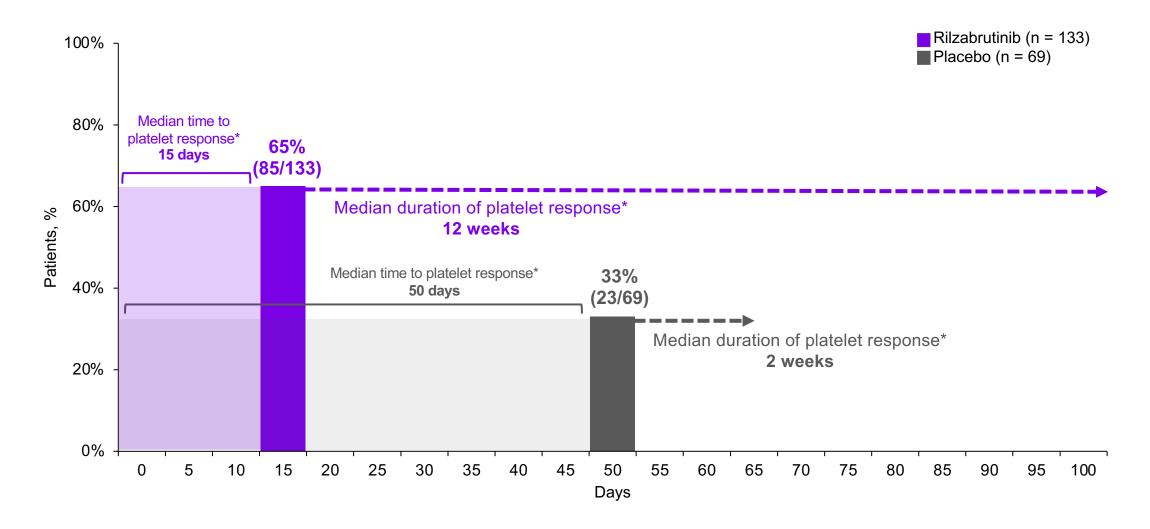


Data cutoff 14 March 2024.

*Lack of response per protocol (including receipt of rescue medication week >8). Week 12 non-responders could transition to open-label directly on rilzabrutinib or discontinue the study.

[†]Two additional rilzabrutinib patients had not yet entered the open-label period.

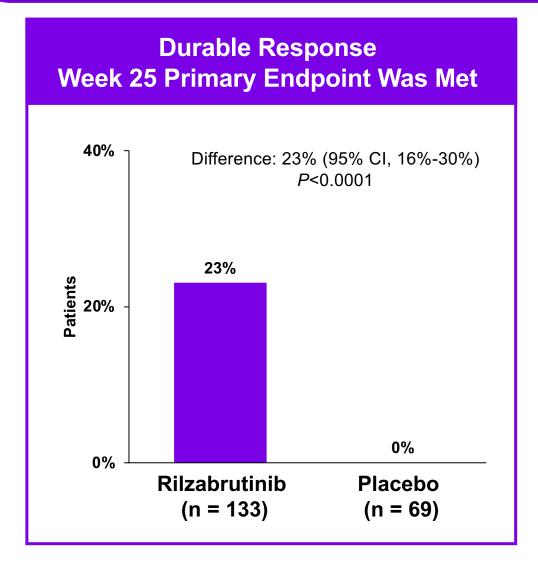
Initial Platelet Response (within the first 12 weeks) Platelet count >50×109/L or 30-<50×109/L and at least doubled from baseline



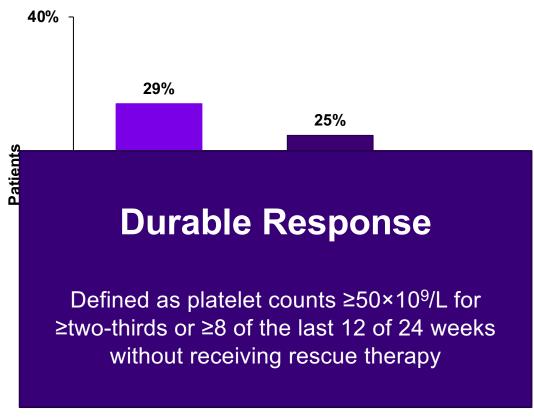
Data cutoff 14 March 2024.

^{*}Response was at any during the double-blind period. Time to and duration of platelet response values were in patients achieving response at any point during the double-blind period.

Durable Platelet Response



Durable Response Double-blind + Open-label at data cutoff



^{*}Included 133 rilzabrutinib and 60 placebo patients from double-blind and all patients receiving rilzabrutinib during the open-label period.

LUNA 3 Conclusions

Rilzabrutinib had superior durable platelet response vs placebo

All secondary endpoints were significantly improved with rilzabrutinib

- Significantly earlier time to first platelet counts, higher number of weeks at platelet count thresholds, fewer patients requiring rescue therapy, and improved fatigue, HRQoL, and bleeding scores

Rilzabrutinib significantly improved fatigue, even among non-durable platelet responders

Mainly low-grade AEs observed with rilzabrutinib, with no BTK inhibitor class effects

Rilzabrutinib led to rapid and durable platelet responses, improved HRQoL, and was generally well-tolerated in difficult to treat adults with ITP



Novità dal Meeting della Società Americana di Ematologia

Bologna Palazzo Re Enzo 13-15 Febbraio 2025

COORDINATOR

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Avatrombopag plus Fostamatinib for treatment of patients with multi-refractory ITP Courtesy by Ghanima

Retrospective, multicenter, international, observational study

N=18

Median 5 treatments prior to combination

OR 83%

15/18 Overall response; 8/15 CR

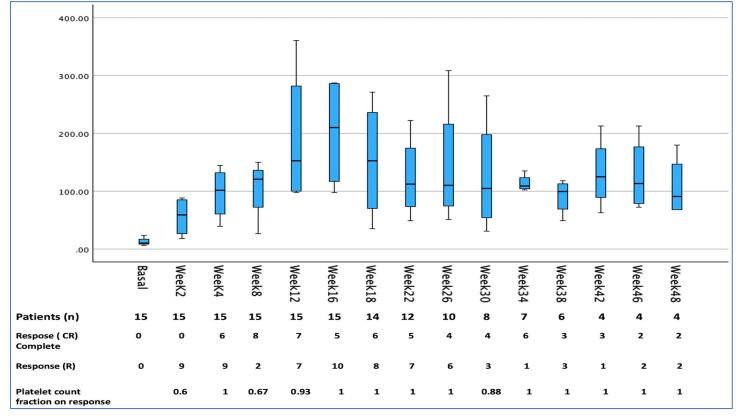
15 days

(range: 8–35 days) Median time to response

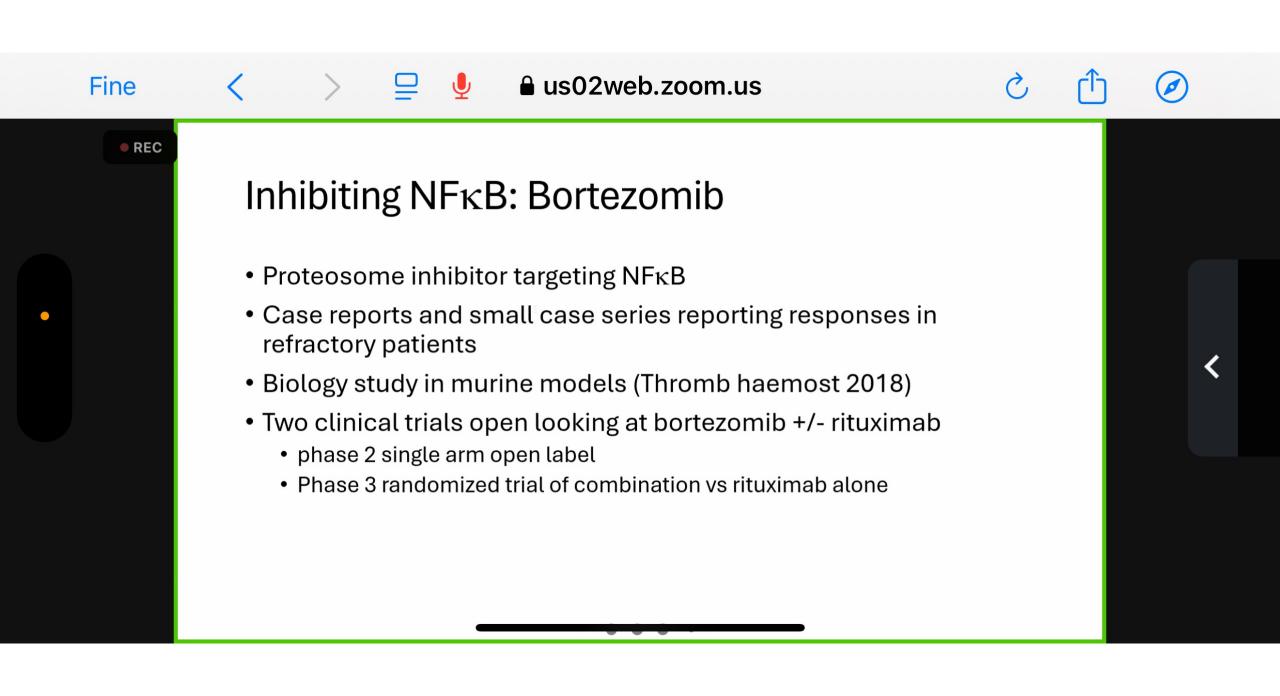
Relapse 27%

Relapsed during dose tapering

Platelet count response and evolution in responding patients



^a Response PC 30-100 x 10⁹/L and complete response PC >100 x 10⁹/L. AVA,



Immune Mechanism: Anti-platelet antibodies

- Several therapies targeting anti-platelet antibodies:
 - Anti-CD20 antibodies (rituximab and similar)
 - · BLyS (BAFF) inhibitors
 - BTK inhibitors
 - Syk inhibitors
 - Anti-plasma cell therapies
 - · Anti-FcRN

