









SMML newsletter

April 2025

Based on data from December 2024-March 2025

Monthly updates around multiple myeloma

















Objectives





The goal of this newsletter is to give an overview of what is happening around multiple myeloma in terms of medical developments. This is achieved by monitoring news articles, PR releases and scientific reports on one hand. Conversations from HCPs, digital opinion leaders and other influencers attending congresses, offering their opinion on treatments and commenting on new developments on the other hand.





Who will benefit from this newsletter?

Any professionals interested in keeping up with developments around multiple myeloma:

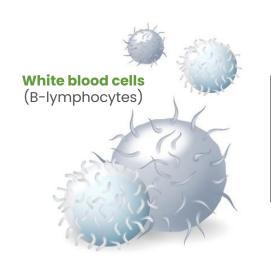
- Marketers
- Business Analysts
- But also HCPs who want to anticipate the future landscape of MM management



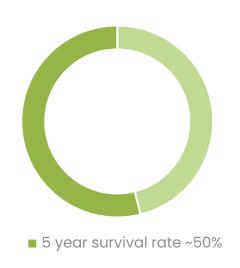
Introduction on Multiple Myeloma

What is Multiple Myeloma?











Read more on Multiple Myeloma:



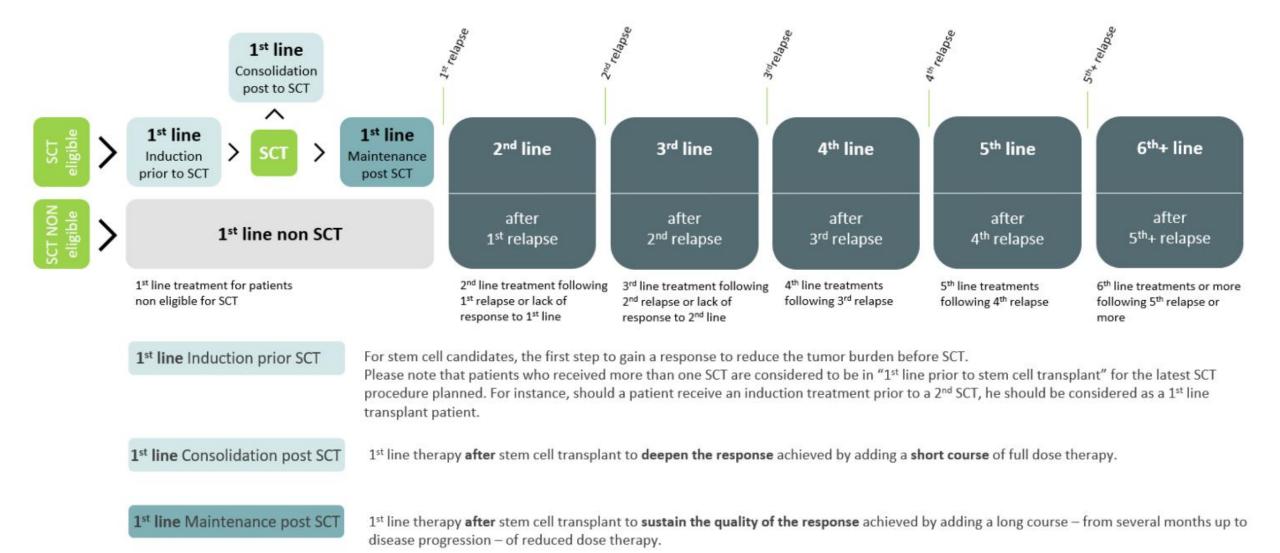
- → Professional version in English
- → Professional version in French



- → Consumer version in English
- → Consumer version in French

MM lines of therapy based on to the following definitions





Drugs approved by European Medicines Agency (EMA)

Aredia®

Zometa®

Mozobil®

Prolia® + Xgeva®

pamidronate

zoledronate

denosumab

plerixafor

Novartis

Novartis

Amgen

Genzyme

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Product Nonograph Click here Click here

Click here

Click here

Prolia® / Xgeva®

Click here

Brand name	Active substance	Manufacturer	Class of therapy	EMA Date of authorisation	Line of treatment	I Mo
Revlimid [®]	lenalidomide	BMS	Immunomodulating agents (IMiDs)	14/06/2007	All lines	
Thalidomide® / Thalomid® (US)	thalidomide	BMS	Immunomodulating agents (IMiDs)	16/04/2008	All lines	
Imnovid® / Pomalyst® (US)	pomalidomide	BMS	Immunomodulating agents (IMiDs)	05/08/2013	2L+ (after Revlimid and Velcade)	
Pepaxti® / Pepaxto® (US)	melflufen	Oncopeptides AB	Peptide conjugated alkylator	17/08/2022	Triple class exposed / 3L+ / 4L+ / 5L+	

Imnovid® / Pomalyst® (US)	pomalidomide	BMS	Immunomodulating agents (IMiDs)	05/08/2013	2L+ (after Revlimid and Velcade)	Click here
Pepaxti® / Pepaxto® (US)	melflufen	Oncopeptides AB	Peptide conjugated alkylator	17/08/2022	Triple class exposed / 3L+ / 4L+ / 5L+	Click here
Velcade [®]	bortezomib	Janssen	Proteasome inhibitors (PIs)	26/04/2004	1LSCT / 1LNSCT	Click here
Kyprolis®	carfilzomib	Amgen	Proteasome inhibitors (PIs)	19/11/2015	2L+ / 3L+	Click here
Ninlaro®	ixazomib	Takeda	Proteasome inhibitors (PIs)	21/11/2016	2L+	Click here

Kyprolis [®]	carfilzomib	Amgen	Proteasome inhibitors (PIs)	19/11/2015	2L+ / 3L+	Click here
Ninlaro®	ixazomib	Takeda	Proteasome inhibitors (PIs)	21/11/2016	2L+	Click here
Farydak [®]	panobinostat	Novartis + (Secura Bio)	Histone deacetylase inhibitors (HDACis)	28/08/2015	2L+ Relapsed / Refractory	Click here
Darzalex®	daratumumab	Janssen	Monoclonal antibody against CD38 (Mabs)	20/05/2016	All lines	Click here

ar yaak	pariobiliostat	Novartis : (Secura Bio)	mistorie dedectylase ministers (mbAcis)	20,00,2013	zer nelapsed / nemactory	CHER HETE
Darzalex [®]	daratumumab	Janssen	Monoclonal antibody against CD38 (Mabs)	20/05/2016	All lines	Click here
Empliciti®	elotuzumab	BMS + (AbbVie)	Monoclonal antibody against SLAMF7 (Mabs)	11/05/2016	2L+ / 3L+	Click here
Sarclisa®	isatuximab	Sanofi	Monoclonal antibody against CD38 (Mabs)	30/05/2020	2L+ / 3L+	Click here
ecvayli®	teclistamab-cqyv	Janssen	Bispecific B-cell maturation antigen (BCMA)-directed	21/07/2022	4L+ (1Pi + 1 IMiDs + 1anti-CD38 Mabs)	Click here

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Empliciti [®]	elotuzumab	BMS + (AbbVie)	Monoclonal antibody against SLAMF7 (Mabs)	11/05/2016	2L+ / 3L+	Click here
Sarclisa®	isatuximab	Sanofi	Monoclonal antibody against CD38 (Mabs)	30/05/2020	2L+ / 3L+	Click here
Tecvayli®	teclistamab-cqyv	Janssen	Bispecific B-cell maturation antigen (BCMA)-directed CD3 T-cell engager	21/07/2022	4L+ (1Pi + 1 IMiDs + 1anti-CD38 Mabs)	Click here
Talvey [®]	talquetamab-tgvs	Janssen	Bispecific antibody targeting GPRC5D receptor	09/08/2024 (FDA)	4L+ (1Pi + 1 IMiDs + 1anti-CD38 Mabs)	Click here
Elrexfio®	elranatamab-bcmm	Pfizer	Bispecific B-cell maturation antigen (BCMA)-directed CD3 T-cell engager	14/08/2024 (FDA)	4L+ (1Pi + 1 IMiDs + 1anti-CD38 Mabs)	Click here
Blenrep® / Belamaf® (US)	belantamab mafodotin-blmf	GSK	Antibody-drug conjugates (BCMA)	25/08/2020	2L+ (4L+ after P, IMiD and MAB (L5+ in Italy)	Click here

Sarclisa®	isatuximab	Sanofi	Monoclonal antibody against CD38 (Mabs)	30/05/2020	2L+ / 3L+	Click here
Tecvayli®	teclistamab-cqyv	Janssen	Bispecific B-cell maturation antigen (BCMA)-directed CD3 T-cell engager	21/07/2022	4L+ (1Pi + 1 IMiDs + 1anti-CD38 Mabs)	Click here
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Elrexfio®	elranatamab-bcmm	Pfizer	Bispecific B-cell maturation antigen (BCMA)-directed CD3 T-cell engager	14/08/2024 (FDA)	4L+ (1Pi + 1 IMiDs + 1anti-CD38 Mabs)	Click here
Blenrep® / Belamaf® (US)	belantamab mafodotin-blmf	GSK	Antibody-drug conjugates (BCMA)	25/08/2020	2L+ (4L+ after P, IMiD and MAB (L5+ in Italy)	Click here
Nexpovio® / Xpovio® (US)	selinexor	Karyopharm Therapeutics	Nuclear export inhibitor (SINE)	26/03/2021	Penta-refractory (2xPI + 2xIMiDs + 1 Mab)	Click here
Venclyxto® / Venclexta® (US)	venetoclax	AbbVie	B-cell lymphoma 2 (BCL-2)	04/12/2016	2L+ (already used in CLL / AML treatments)	Click here
Abecma®	idecabtagene vicleucel	BMS	Cell-based gene therapy (CAR-T)	18/08/2021	Triple class exposed / 3L+ / 4L+ / 5L+	Click here
Carvykti [®]	ciltacabtagene autoleucel	Janssen	Cell-based gene therapy (CAR-T)	25/05/2022	L3 / L4+ / L5+	Click here

31/10/1991

20/03/2001

30/07/2009

26/05/2010 - 13/07/2011 Supportive care

Supportive care

Supportive care / Long-term use (5+ years)

Supportive care / Long-term use (5+ years)

Bisphosphonates for bone disease

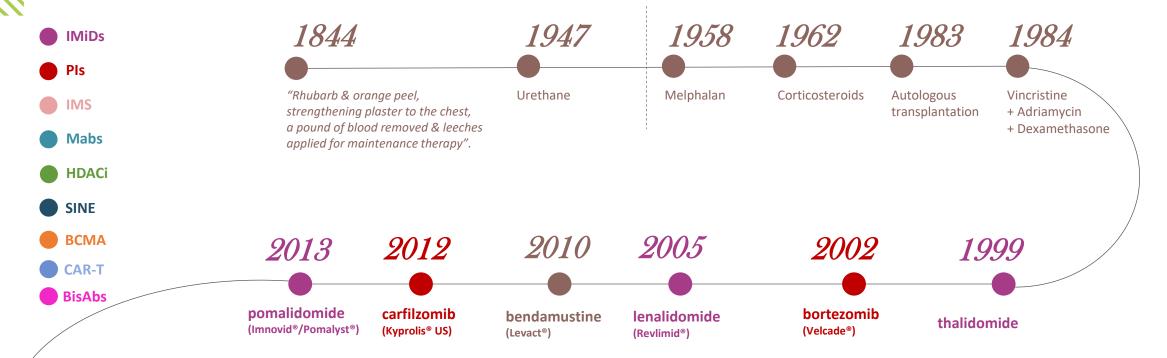
Bisphosphonates for bone disease

Bisphosphonates for bone disease

Stem cell mobilazor

MM treatment history timeline







SYNDICATED BY

MM studies at APLUSA







per wave per country per year

4,5K **PATIENTS CHARTS** per wave

18k **PATIENTS CHARTS** per year (in EU5)



Launching of a US pilot wave, Why?

- Needs from Pfizer and GSK for MM US data
- Back data for EU5 for 15 years
- MM US market changing fast
- Different needs in the US market for labs (patients' ethnicity treatments gap as an example)

→ Co-funding with GSK for Q4 2022

APLUSA's added value

- Quarterly + month to month data collection (our competitors → only quarterly data)
- Market adaptability: adjusting our questionnaires and updating the list of treatments by including market trends on a monthly basis → new CAR-Ts + BisAbs
- Patient's full treatment history
- Deliverables with Power BI DID



December 2024 - March 2025





CONTENTS

News around clinical trials in phase II

- Phase II Line 1: Triplet/Quadr uplet Therapies
- Phase II Line 1: Bispecific The <u>rapies</u>
- Phase II R/R: CAR-T

02.

News around clinical trial s in Phase III

- Phase III Line 1: Quadruplet **Therapies**
- Phase III R/R: Doublet Therapy
- Phase III R/R: Triplet Therapy
- Phase III R/R: CAR-T

03.

Themes of discussion : HCPs

- SOV Themes of discussion
- Posts driving most engagement
- Focus on ASH 2024

04.

News articles overtime

- Volume of articles per volume of mentions
- Articles per themes

05.

Market watch

- Market watch:
 - December 2024
 - January 2025
 - February 2025
 - March 2025





SCOPE



The scope of the analysis is focused on mentions coming worldwide.*



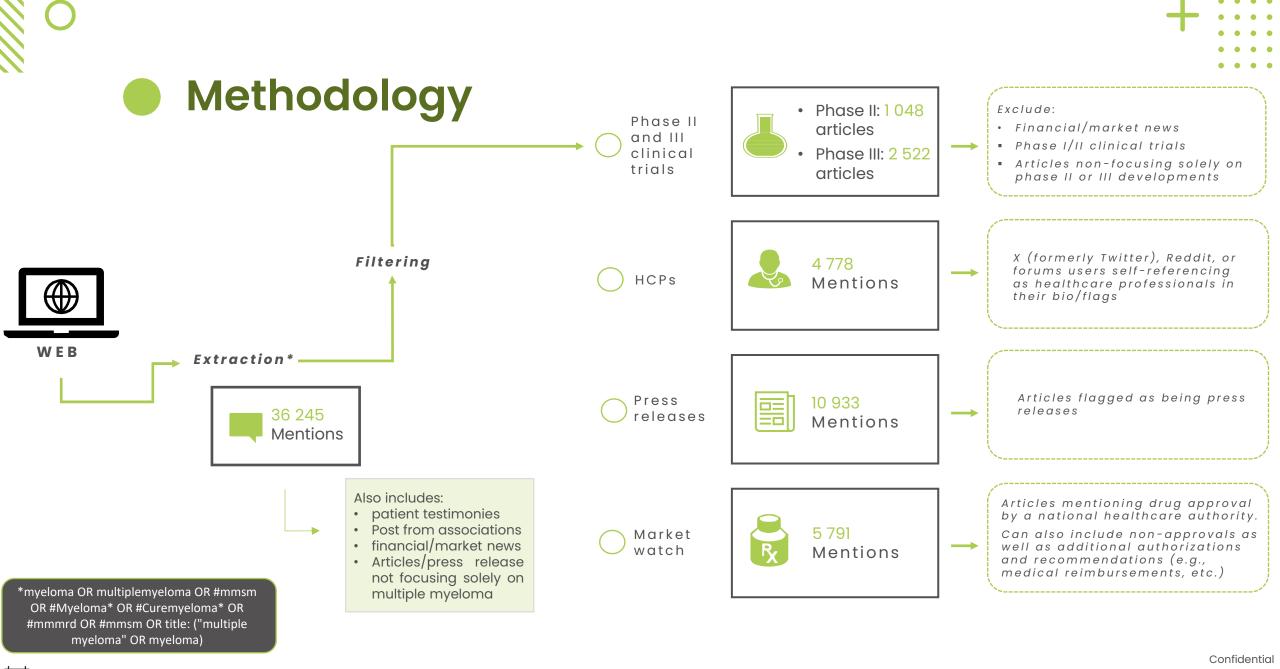
There were a total of 36K mentions recorded during the listening period from December 1st, 2024, to March 31st, 2025.



A majority of mentions came from X (formerly Twitter) (57%), News (42%), and Reddit (1%).

myeloma OR multiplemyeloma OR #mmsm OR #Myeloma OR #Curemyeloma* OR #mmmrd OR #mmsm OR title: ("multiple myeloma" OR myeloma)





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Sponsor: Mario Boccadoro, University of Turin, Italy

Sponsor: University of California, San Diego

Sponsor: Hellenic Society of Hematology

Sponsor: M.D. Anderson Cancer Center

Sponsor: University of Alabama at Birmingham

Sponsor: University College, London

Sponsor: Cancer Trials Ireland

Sponsor: University of Chicago

Sponsor: Sara V. Latorre

Drugs	in clinical trials (Phas	e II) monitored	d during the listening period	+
Sponsor	Trial name + link (ctrl + right click)	Line of treatment	Combination/Monotherapy being studied	Note

Elotuzumab, pomalidomide, dexamethasone

Monotherapy: zevorcabtagene autoleucel

Monotherapy: ciltacabtagene autoleucel

Monotherapy: ciltacabtagene autoleucel

teclistamab, talquetamab, daratumumab

Monotherapy: anitocabtagene autoleucel

Monotherapy: equecabtagene autoleucel

bortezomb, dexamethasone, daratumumab, elotuzumab, isatuximab, carfilzomib

Monotherapy: mezigdomide or in combination with dexamethasone

daratumumab, lenalidomide, bortezomib, and dexamethasone (D-RVd)

Monotherapy: elranatamab or in combination with dexamethasone

Monotherapy: Linvoseltamab (also known as REGN5458)

carfilzomib, lenalidomide, daratumumab, dexamethasone

isatuximab, bortezomib, lenalidomide, dexamethasone

elotuzumab, carfilzomib, lenalidomide, dexamethasone

daratumumab, ixazomib, pomalidomide, dexamethasone

Monotherapy: cesnicabtagene autoleucel (ARI0002h)

belumosudil mesylate with or without dexamethasone

dexamethasone, lenalidomide, daratumumab, carfilzomib

cyclophosphamide, dexamethasone, carfilzomib

mezigdomide, bortezomib, dexamethasone, daratumumab, carfilzomib, elotuzumab, isatuximab

Monotherapy (one arm with lenalidomide); BMTCTN1902: Monotherapy: Idecabtagene vicleucel

AbbVie		NCT03314181	RR	venetoclax, daratumumab and dexamethasone (With and Without Bortezomib)	
	Sponsor	Trial name + link (ctrl + right click)	Line of treatment	Combination/Monotherapy being studied	Note
					• • •
					• • •

Monotherapy: C-CAR088

Monotherapy: blenrep

Monotherapy: teclistamab

Monotherapy: talquetamab

Monotherapy: NXC-201

Monotherapy: elranatamab

Monotherapy: daratumumab

Sponsor	Trial name + link	k (ctrl + right click)	Line of treatment	Combination/Mo	onotherapy being studied	Note
		-	-			

U	Drugs in	Cimicai	triais ((Phase II)	monitorea	auring	the listening	period

RR

RR

1L/RR

IL/RR

RR

RR

RR

RR

1L

RR

1L

1L

1L

RR

RR

RR

RR

Bristol-Myers Squibb

CARsgen Therapeutics

Cellular Biomedicine Group

Kite, a Gilead company

Nanjing IASO Biotechnology

Celgene

Janssen

Nexcella

Regeneron

Pfizer

ELOQUENT-3

LUMMICAR-2

NCT03989414

NCT03989414

NCT03374085

NCT05521802

DREAMM-2

CARTITUDE-1

CARTITUDE-2

MajesTEC-1

RedirecTT-1

iMMagine-1

FUMANBA-1

NCT04720313

MagnetisMM-3

MagnetisMM-9

LINKER-MM1

NCT05123131

NCT02969837

NCT03590652

NCT04309981

NCT06105554

<u>Cardamon</u>

MASTER

REBUILD

FORTE

MonumenTAL-1

GRIFFIN

KarMMa-2

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Phase II Line 1 Triplet/Quadruplet Therapies: teclistamab-cqyv demonstrates potential as frontline combination therapy.

99



Headlines/Hot off the press

teclistamab-cqyv demonstrates potential as frontline combination therapy for patients with newly diagnosed multiple myeloma

"100 percent of evaluable patients for minimal residual disease (MRD) testing achieved MRD negativity in MajesTEC-5 as induction therapy and MajesTEC-4 as maintenance therapy"

Click here to read the full article

Sponsor



MajesTEC-5
Ctrl + click to access

clinical trial:

"Phase 2 Study to Evaluate Safety and Efficacy of Teclistamaband Talquetamab-based Combination Regimens in Participants with Newly Diagnosed Transplant Eligible Multiple Myeloma" Combination

teclistamab + bortezomib + lenalidomide + daratumumab + dexamethasone

Phase II Line 1 Bispecific Therapies: linvoseltamab Recommended for EU Approval.



Headlines/Hot off the press



"Regeneron Pharmaceuticals, Inc. today announced that the European Medicines Agency's Committee for Medicinal Products for Human Use (CHMP) has adopted a positive opinion recommending conditional marketing authorization of linvoseltamab to treat adults with relapsed and refractory (R/R) multiple myeloma (MM)."

Click here to read the full article

Sponsor

99



Linvoseltamab BLA Accepted for FDA Review for the Treatment of Relapsed/Refractory Multiple Myeloma

Regeneron Pharmaceuticals, Inc. today announced that the U.S. Food and Drug Administration has accepted for review the resubmission of the Biologics License Application for linvoseltamab for the treatment of adult patients with relapsed/refractory (R/R) multiple myeloma (MM) who have received at least four prior lines of therapy or those who received three prior lines of therapy and are refractory to the last line of therapy. The target action date for the FDA decision is July 10, 2025."

Click here to read the full article

Molecule

"Phase 1/2 Study of REGN5458 in Patients With LINKER-MM1 Relapsed or Refractory Multiple Myeloma" Ctrl + click to access clinical

linvoseltamab

Social media listening period: December 2024-March 2025 Scope: worldwide in English

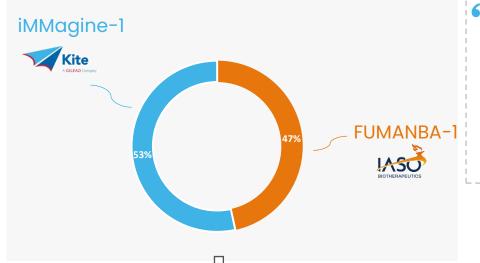
trial: NCT03761108

SYNDICATED

Phase II Relapse/Refractory CAR-T: Arcellx Announces New Positive Data for Its iMMagine-1 study.



Clinical trial mentioned/Sponsor



Headlines/Hot off the press

Arcellx Announces New Positive Data for Its iMMagine-1 Study in Patients With Relapsed or Refractory Multiple Myeloma to be Presented During an Oral Presentation at the 66th ASH Annual **Meeting and Exposition**

"Preliminary results from 86 patients enrolled in the Phase 2 pivotal iMMagine-1 study of anito-cel demonstrated 97% ORR and 62% CR/sCR at a median follow-up of 9.5 months"

Click here to read the full article

66 IASO Bio Presented Study Findings on the Impact 99 of CAR T-Cell Persistence on Clinical Outcomes in Relapsed/Refractory Multiple Myeloma with Equecabtagene Autoleucel(FUCASO) Myeloma at

"today shared findings via a poster presentation of the results on the impact of CAR T-Cell Persistence on Clinical Outcomes in Relapsed/Refractory Multiple Myeloma(R/RMM) with Equecabtagene Autoleucel (Eque-cel, FUCASO) at the 66th American Society of Hematology (ASH) Annual Meeting.

Click here to read the full article

iMMagine-1

Ctrl + click to access clinical trial:

"Study of CART-ddBMCA in Relapsed or Refractory Multiple Myeloma (iMMagine-1)"

Molecules

anitocabtagene autoleucel

FUMANBA-1

Ctrl + click to access clinical trial: NCT05066646

"A Phase 1/2 Study of a Fully Human BCMA-targeting CAR (CT103A) in Patients Relapsed/Refractory Multiple Myeloma"

equecabtagene autoleucel

+

O Dru	ugs in clinical trials	(Phase III) monit	ored during the listening period
onsor	Trial name + link (ctrl + right click)	Line of treatment	Combination/Monotherapy being studied

RR

RR

RR

RR

RR

RR

Maintenance

RR

RR

1L

RR

RR

RR

RR

RR

11

11

RR

RR

RR

1L

Maintenance

1L

1L

1L

1L

1L

Sponsor		Trial name + link (ctrl + right click)	Line of treatment	Combination/Monotherapy being studied	Note
AbbVie	<u>Bellini</u>		RR	venetoclax, bortezomib, dexamethasone	

venetoclax, dexamethasone

daratumumab, lenalidomide

Orugs in clinical trials (Phase III) monitored during the listening period	

lenalidomide, bortezomib, dexamethasone

belantamab mafodotin, bortezomib and dexamethasone

teclistamab, daratumumab Subcutaneously (SC) (Tec-Dara)

Monotherapy: elranatamab or doublet therapy with daratumumab

belantamab mafodotin Plus pomalidomide and dexamethasone

Monotherapy: Idecabtagene vicleucel

Monotherapy: belantamab mafodotin

Monotherapy: ciltacabtagene autoleucel

selinexor, bortezomib,, dexamethasone

Monotherapy: melphalan flufenamide

Pomalidomide, isatuximab, dexamethasone

isatuximab, pomalidomide, dexamethasone

isatuximab, carfilzomib And dexamethasone

ixazomib, lenalidomide, dexamethasone

ixazomib, lenalidomide, dexamethasone

lenalidomide, carfilzomib, dexamethasone

isatuximab, lenalidomide, dexamethasone

daratumumab, bortezomib, lenalidomide, dexamethasone

Isatuximab, lenalidomide, bortezomib, dexamethasone

isatuximab, lenalidomide, carfilzomib, dexamethasone

cyclophosphamide, dexamethasone plus lenalidomide with or without carfilzomib

lenalidomide, daratumumab

daratumumab, bortezomib, dexamethasone

daratumumab, lenalidomide, dexamethasone

daratumumab, lenalidomide, and dexamethasone

isatuximab, bortezomib, lenalidomide dexamethasone

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Sponsor: University of Chicago

Sponsor: Poitiers University Hospital

Sponsor: SWOG Cancer Research Network

Sponsor: European Myeloma Network

Sponsor: University of Leeds

Sponsor: ECOG-ACRIN Cancer Research Group

Sponsor: University of Heidelberg Medical Center

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O Drug	ļ
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Celgene

GSK

Janssen

Karyopharm

Oncopeptides

Pfizer

Sanofi

Takeda

Other

CANOVA

KarMMa-3

DREAMM-3

DREAMM 7

DREAMM 8

CARTITUDE-4

AURIGA

CASTOR

MAIA

MajesTEC-3

POLLUX

BOSTON

OCEAN

IMROZ

IRAKLIA

IKEMA

ATLAS

BENEFIIT

EQUATE

IsKia

DRAMMATIC

GMMG HD7

Myeloma XI

ICARIA-MM

TOURMALINE-MM1

TOURMALINE-MM2

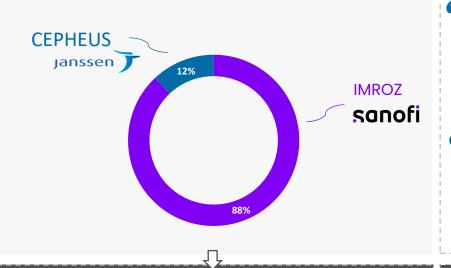
MagnetisMM-5

DETERMINATION

Phase III Line 1 Quadruplet Therapies: Sarclisa combinations demonstrated significant benefits in newly diagnosed multiple myeloma patients.







Headlines/Hot off the press

daratumumab SC-based regimens improve MRD negativity and progression-free survival in newly diagnosed multiple myeloma, and overall survival in AL amyloidosis

Click here to read the full article

66 daratumumab subcutaneous-based regimen receives positive CHMP opinion for patients with newly diagnosed multiple myeloma, regardless of transplant eligibility

Click here to read the full article

ASH: Sarclisa combinations demonstrated significant benefits in newly diagnosed mm patients

Click here to read the full article

Japanese MHLW approves Sarclisa for patients with newly diagnosed multiple myeloma

Click here to read the full article

China NMPA approves Sanofi's Sarclisa for patients with newly diagnosed multiple myeloma

Click here to read the full article

EMA committee approves Sanofi's Sarclisa in combination with VRd for newly diagnosed MM

Click here to read the full article

IMROZ

Ctrl + click to access clinical trial:

NCT03319667

"A Phase 3 Randomized, Open-label, Multicenter Study Assessing the Clinical Benefit of Isatuximab (SAR650984) in Combination With Bortezomib (Velcade®), Lenalidomide and Dexamethasone Versus Bortezomib, Lenalidomide and Dexamethasone in Patients With Newly Diagnosed Multiple Myeloma Not Eligible for Transplant"

"The purpose of this study to determine if the addition of daratumumab to bortezomib + lenalidomide + dexamethasone (VRd) will improve overall minimal residual disease (MRD) negativity rate compared with VRd alone."

Combinations

isatuximab + dexamethasone
+ lenalidomide + bortezomib

CEPHEUS
Ctrl + click to access clinical trial: NCT03652064





Headlines/Hot off the press

66

TECVAYLI® (teclistamab) demonstrates potential as frontline combination therapy for patients with newly diagnosed multiple myeloma

"100 percent of evaluable patients for minimal residual disease (MRD) testing achieved MRD negativity in MajesTEC-5 as induction therapy and MajesTEC-4 as maintenance therapy"

Click here to read the full article





MajesTEC-4
Ctrl + click to access
clinical trial:

"This is a multicenter, randomized, open-label, Phase 3 study in participants with newly diagnosed multiple myeloma to evaluate the benefits of teclistamab in combination with lenalidomide and teclistamab alone versus lenalidomide alone as maintenance therapy after autologous stem cell transplant."

Combinations

teclistamab

daratumumab





Phase III Relapse/Refractory Triplet Therapy: New Sarclisa subcutaneous formulation met co-primary endpoints in the IRAKLIA phase 3 study.





+ dexamethasone



Ctrl + click to access

clinical trial:



Combination of

Daratumumab, Bortezomib

Dexamethasone (D-Vd) in Participants

Relapsed/Refractory Multiple Myeloma"

Phase III Relapse/Refractory CAR-T: ciltacabtagene autoleucel demonstrated significantly higher rates of minimal residual disease negativity



Headlines/Hot off the press

66

CARVYKTI® (ciltacabtagene autoleucel; cilta-cel) demonstrated significantly higher rates of minimal residual disease negativity compared to standard therapies in the CARTITUDE-4 study

"89 percent of patients evaluable for minimal residual disease (MRD) assessment were MRD negative, with the majority reaching MRD negativity in less than 2 months1

Results add to the overall survival (OS) benefits recently presented, as the first cell therapy to significantly extend OS versus standard therapies in multiple myelomal"

Click here to read the full article





CARTITUDE-4

Ctrl + click to access clinical trial: NCT04181827

"A Study Comparing JNJ-68284528, a CAR-T Therapy Directed Against B-cell Maturation Antigen (BCMA), Versus Pomalidomide, Bortezomib and Dexamethasone (PVd) or Daratumumab, Pomalidomide and Dexamethasone (DPd) in Participants With Relapsed and Lenalidomide-Refractory Multiple Myeloma"

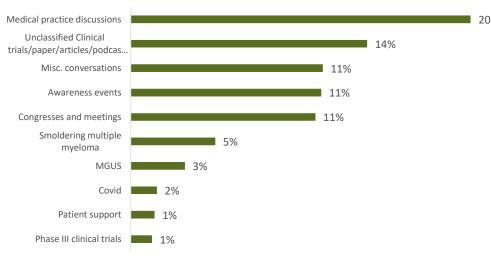
Molecule

ciltacabtagene autoleucel

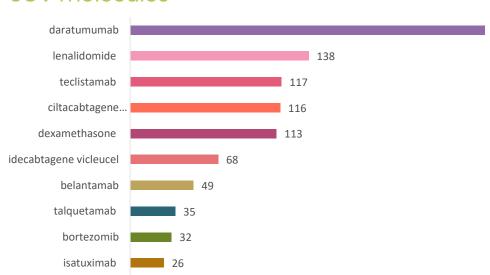


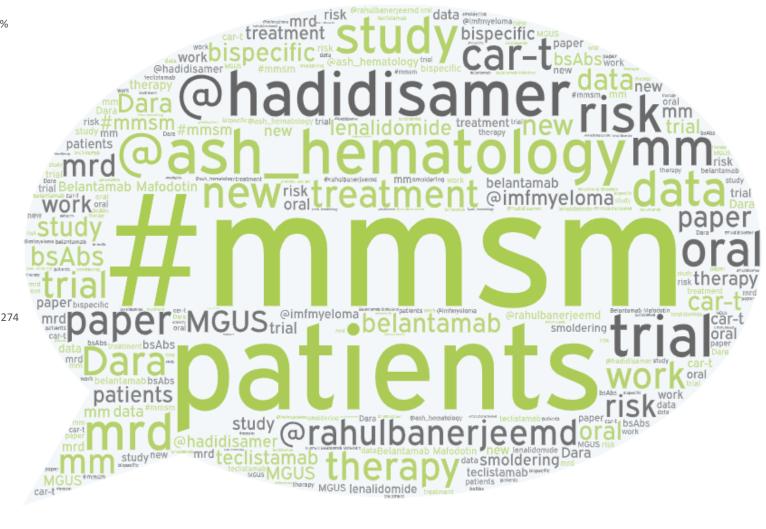
Several HCPs lead the conversation during the listening period in large part due to the ASH congress.

SOV topics of conversations



SOV molecules



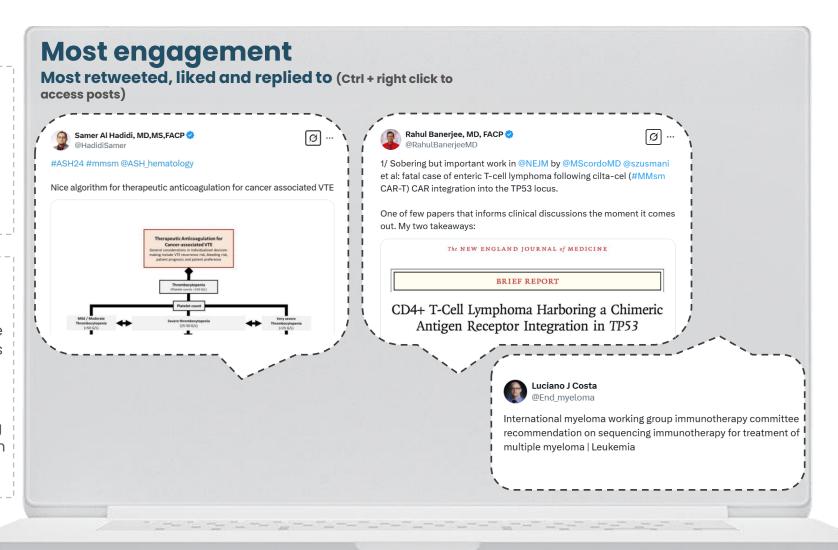


Engagement focused on educational posts generated from the 2024 ASH congress, working groups and clinical trials.

Dr Al Hadidi share an algorithm for therapeutic anticoagulation for cancer associated VTE. This was lifted from an ASH 2024 educational articles.

Dr Banerjee shared his thoughts on a <u>paper</u> discussing the risk of enteric T-cell lymphoma with cilta-cel CAR integration into the TP53 locus. Dr Banerjee shared that while this risk is minimal, those findings will inform his communication with patients going forward.

Dr Costa shared the international myeloma working group immunotherapy committee recommendation for sequencing immunotherapy in the treatment of multiple myeloma.



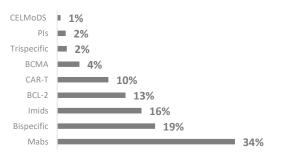
FOCUS ON ASH 2024: daratumumab opens up new possibilities for high-risk smouldering multiple myeloma patients.

The **AQUILA** study was by far the most discussed clinical trial pertaining to multiple myeloma.

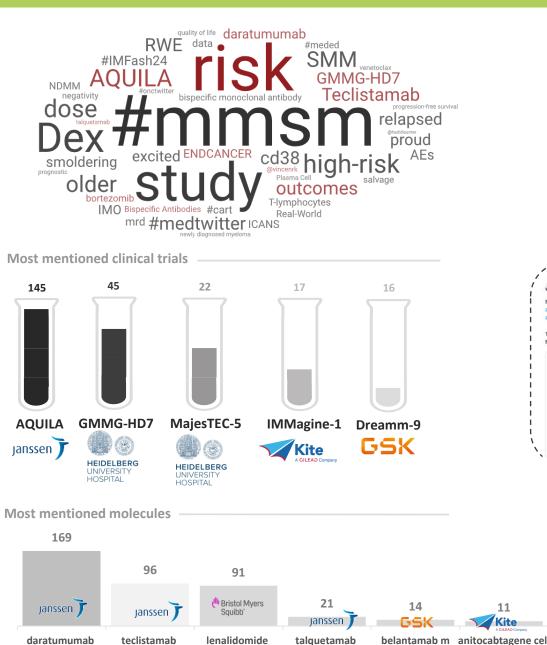
The portion of the study presented at ASH were focused on smouldering multiple myeloma and evaluated whether daratumumab provided superior outcomes than the current standard of care.

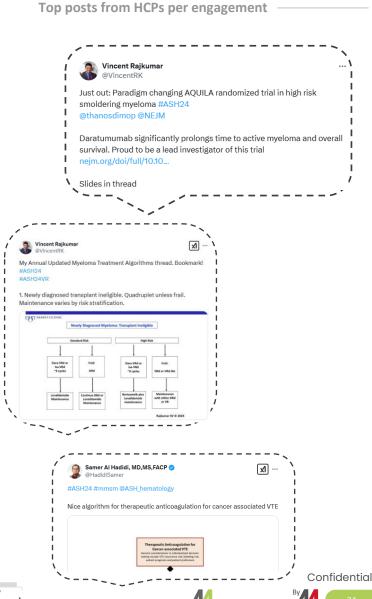


Topics of discussions (type of treatment)

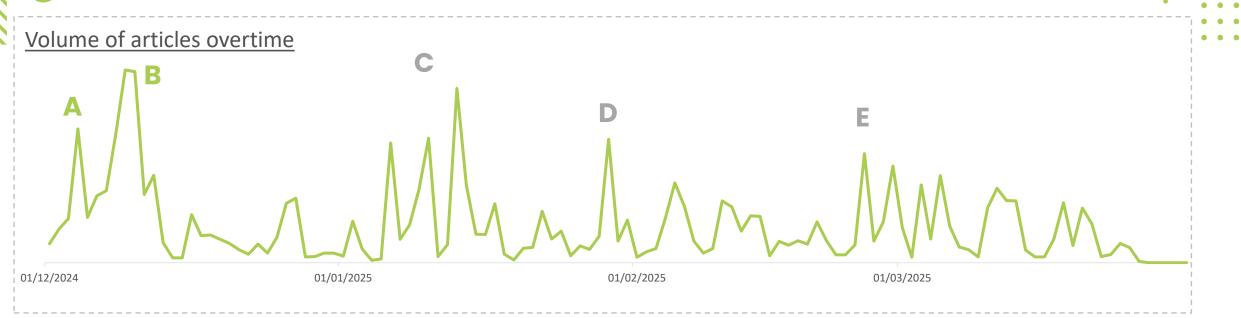


Multiple myeloma universe N= 2,672 mentions
Listening period: November 30th, 2024, to December 17th, 2024





Media (press releases): volume and articles per peak



A "I was told I couldn't have an Afro wig after chemo" <u>LINK</u>

"Celebrating innovation happens from the inside out" $\underline{\text{LINK}}$

"The Multiple Myeloma Research Foundation (MMRF)

Announces the First Patient Enrolled in its Horizon Clinical Trials Program to Accelerate the Identification of Optimal Treatment Strategies for Multiple Myeloma" <u>LINK</u>

"Genes Highlight Who'll Benefit From Multiple Myeloma Treatment With **Venclexta**" <u>LINK</u> **B** "ASH: **Sarclisa** combinations demonstrated significant benefits in newly diagnosed multiple myeloma patients" <u>LINK</u>

"**Belantamab Mafodotin** shows significant overall survival benefit, reducing the risk of death by 42% in multiple myeloma at or after first relapse" LINK

"Poseida Therapeutics Highlights Positive Interim Phase 1 Results for **P-BCMA-ALLO1** and Preclinical Data for Dual CAR-T P-CD19CD20-ALLO1 at the 66th American Society of Hematology (ASH) Annual Meeting" <u>LINK</u>

"GSK: **Blenrep** (belantamab mafodotin) combination accepted for priority review in China in relapsed/refractory multiple myeloma Form 6 K" <u>LINK</u>

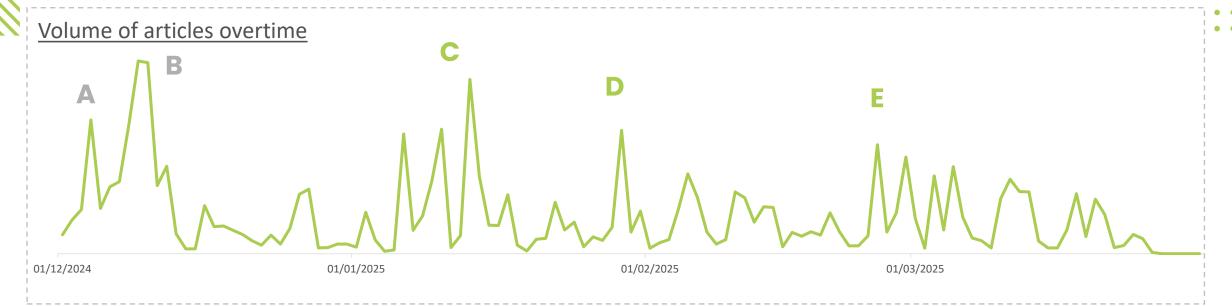
B continued

"**High-Fiber Diet** May Prevent a Blood Cancer in People at High Risk" <u>LINK</u>

"Resistance Training Can Reduce Fatigue, Pain in Multiple Myeloma Patients, Roswell Park Team Shows" <u>LINK</u>

"DARZALEX FASPRO® (daratumumab and hyaluronidase-fihj)-based regimens demonstrate improved rates of minimal residual disease (MRD) negativity and progression-free survival in patients with newly diagnosed multiple myeloma" LINK

Media (press releases): volume and articles per peak



C "Woman climbs Kilimanjaro after life-changing blood cancer diagnosis" <u>LINK</u>

"**Simcere Zaiming and AbbVie** Announce Partnership to Develop a Novel Trispecific Antibody Candidate in Multiple Myeloma" <u>LINK</u>

"Sarclisa obtains first approval in China for the treatment of adult patients with relapsed or refractory multiple myeloma" LINK

"HealthTree Foundation Announces Real-World Data Awards for 2024" LINK

"**Isatuximab** Plus VRd Wins Japanese Approval for Newly Diagnosed Myeloma" <u>LINK</u>

Media (press release, excluding financial news) N= 11K mentions Social media listening period: December 2024-March 2025 Scope: worldwide in English "IASO Bio Announces Acceptance of New Drug Application for Equecabtagene
Autoleucel (FUCASO) by the Singapore
Health Sciences Authority (HSA)" LINK

"Kangpu Biopharmaceuticals Received IND Approval from NMPA for KPG-818 to Treat Relapsed/Refractory Multiple Myeloma" LINK

"Sarclisa gains new approval in Japan" LINK

"DARZALEX Continues to Redefine Multiple Myeloma Treatment with Robust Market Performance | Delvelnsight" LINK

"The **International Myeloma Foundation** Announces 2nd Annual Iceland Cycling Expedition, to be Held from August 27 – September 2" <u>LINK</u> continued

"**CARVYKTI** Continued Performance Reflects Growing Confidence in CAR-T Therapies for Multiple Myeloma | DelveInsight" <u>LINK</u>

"Arcellx CMO Discusses Novel Investigational CAR-T Therapy During Multiple Myeloma Awareness Month" <u>LINK</u>

"**2seventy bio** Enters into Definitive Agreement to be Acquired by **Bristol Myers Squibb**" <u>LINK</u>

"Inc. Names **HealthTree** CEO **Jenny Ahlstrom** to Its 2025 Female Founders 500 List" <u>LINK</u>

"**HealthTree** Foundation Launches **AI-Powered** Personalized Clinical Trial Finder" LINK

"Indonesia approves **Antengene's Xpovio** NDA for multiple indications" <u>LINK</u> Confide

Articles per theme

Associations/foundations

- "The Multiple Myeloma Research Foundation (MMRF)
 Announces the First Patient Enrolled in its Horizon Clinical Trials
 Program to Accelerate the Identification of Optimal Treatment
 Strategies for Multiple Myeloma" LINK
- "HealthTree Foundation Announces Real-World Data Awards for 2024" <u>LINK</u>
- "The International Myeloma Foundation Announces 2nd Annual Iceland Cycling Expedition, to be Held from August 27 – September 2" LINK
- "Inc. Names HealthTree CEO Jenny Ahlstrom to Its 2025 Female Founders 500 List" LINK
- "HealthTree Foundation Launches Al-Powered Personalized Clinical Trial Finder" <u>LINK</u>

Antibody-drug conjugates (BCMA)

- "Belantamab Mafodotin shows significant overall survival benefit, reducing the risk of death by 42% in multiple myeloma at or after first relapse" <u>LINK</u>
- "GSK: Blenrep (belantamab mafodotin) combination accepted for priority review in China in relapsed/refractory multiple myeloma Form 6 K" <u>LINK</u>
- "DARZALEX FASPRO® (daratumumab and hyaluronidase-fihj)based regimens demonstrate improved rates of minimal residual disease (MRD) negativity and progression-free survival in patients with newly diagnosed multiple myeloma" <u>LINK</u>
- "DARZALEX Continues to Redefine Multiple Myeloma Treatment with Robust Market Performance | DelveInsight" LINK

CART

- "CARVYKTI Continued Performance Reflects Growing Confidence in CAR-T Therapies for Multiple Myeloma | Delvelnsight" <u>LINK</u>
- "Arcellx CMO Discusses Novel Investigational CAR-T Therapy During Multiple Myeloma Awareness Month" <u>LINK</u>
- "IASO Bio Announces Acceptance of New Drug Application for Equecabtagene Autoleucel (FUCASO) by the Singapore Health Sciences Authority (HSA)" LINK
- "Poseida Therapeutics Highlights Positive Interim Phase 1
 Results for P-BCMA-ALLO1 and Preclinical Data for Dual CART P-CD19CD20-ALLO1 at the 66th American Society of
 Hematology (ASH) Annual Meeting" LINK

B-cell lymphoma 2 (BCL-2)

 "Genes Highlight Who'll Benefit From Multiple Myeloma Treatment With Venclexta" <u>LINK</u>

Business

"2seventy bio Enters into Definitive Agreement to be Acquired by Bristol Myers Squibb" LINK

Monoclonal antibody against CD38 (Mabs)

- "Sarclisa obtains first approval in China for the treatment of adult patients with relapsed or refractory multiple myeloma" LINK
- "Isatuximab Plus VRd Wins Japanese Approval for Newly Diagnosed Myeloma" <u>LINK</u>
- "ASH: Sarclisa combinations demonstrated significant benefits in newly diagnosed multiple myeloma patients" <u>LINK</u>
- "Sarclisa gains new approval in Japan" LINK

Nuclear export inhibitor (SINE)

 "Indonesia approves Antengene's Xpovio NDA for multiple indications" <u>LINK</u>

Patient life

- "I was told I couldn't have an Afro wig after chemo" <u>LINK</u>
- "Celebrating innovation happens from the inside out" <u>LINK</u>
- "Woman climbs Kilimanjaro after life-changing blood cancer diagnosis" <u>LINK</u>
- "**High-Fiber Diet** May Prevent a Blood Cancer in People at High Risk" <u>LINK</u>
- "Resistance Training Can Reduce Fatigue, Pain in Multiple Myeloma Patients, Roswell Park Team Shows" <u>LINK</u>

Small molecule immunomodulator of Cerebion (CRBN)

 "Kangpu Biopharmaceuticals Received IND Approval from NMPA for KPG-818 to Treat Relapsed/Refractory Multiple Myeloma" LINK

Trispecific Antibody

"Simcere Zaiming and AbbVie Announce Partnership to
Develop a Novel Trispecific Antibody Candidate iponfidential
Multiple Myeloma" LINK

SYNDICATED

BY 27

December 2024

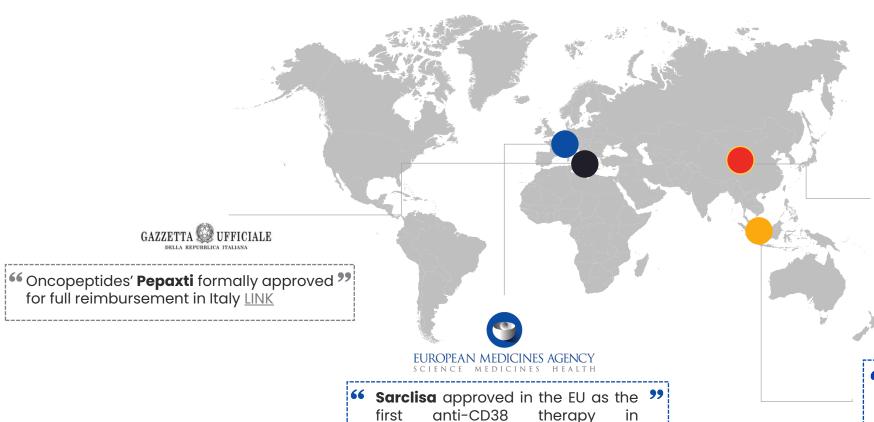




FDA Reviews Belantamab Mafodotin for property of the second se Myeloma LINK

January 2025





newly

myeloma <u>Link</u>

combination with standard-of-care

VRd to treat transplant-ineligible

multiple

diagnosed



66 Sarclisa obtains first approval in 99 China for the treatment of adult patients with relapsed or refractory multiple myeloma LINK



66 IASO Bio Announces Acceptance of 99 New Drug Application for **Equecabtagene Autoleucel (FUCASO)** by the Singapore Health Sciences Authority (HSA) LINK

February 2025



Japanese MHLW approves Sarclisa for patients with newly diagnosed multiple myeloma <u>Link</u>



Antengene Announces **XPOVIO®**Approved for Public Health Insurance
Coverage in Taiwan Market LINK



国家药品监督管理局
National Medical Products Administration

Sanofi's **Sarclisa** combo approved in China for multiple myeloma <u>LINK</u>

Kangpu Biopharmaceuticals Received IND Approval from NMPA for KPG-818 to Treat Relapsed/Refractory Multiple Myeloma LINK

Confidentia









Linvoseltamab BLA Accepted for FDA Review for the Treatment of Relapsed/Refractory Multiple Myeloma LINK

NICE

Sanofi's Push for Pricing

Flexibility in the UK LINK

- FDA Grants **OPN-6602** Orphan Drug Status in R/R Myeloma <u>LINK</u>
- FDA Approves Second Biosimilars for Prolia/Xgeva LINK



56 Johnson & Johnson's DARZALEX® (daratumumab) 99 subcutaneous-based regimen receives positive CHMP opinion for patients with newly diagnosed multiple myeloma, regardless of transplant eligibility LINK

March 2025







Indonesia approves Antengene's Xpovio NDA for multiple indications LINK