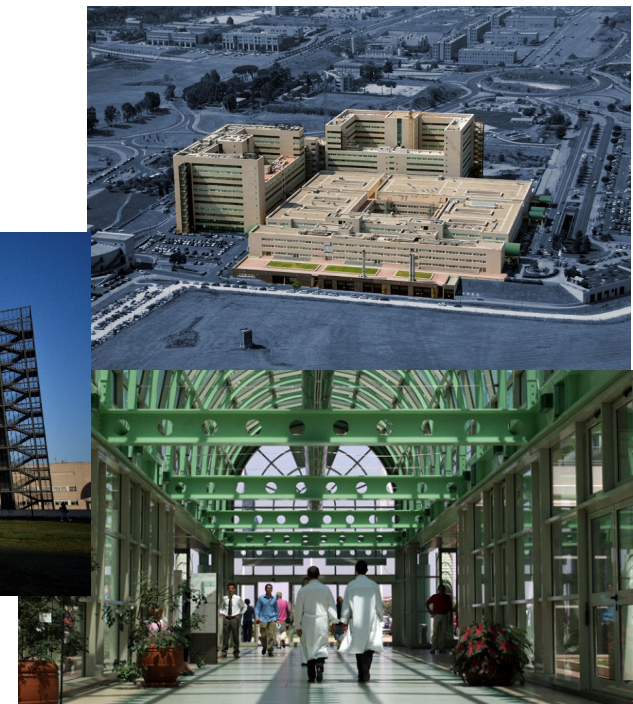


CONGRESSO

ROMA, 25 - 27 Giugno 2026

SEDE DEI LAVORI

A. Roma Lifestyle Hotel
Via Giorgio Zoega 59, Roma



I ruolo della triplice terapia orale nella gestione del paziente dislipidemico post-SCA

Saverio Muscoli, MD, PhD, FESC, FISC

saveriomuscoli@gmail.com

UOC Cardiologia Policlinico Tor Vergata

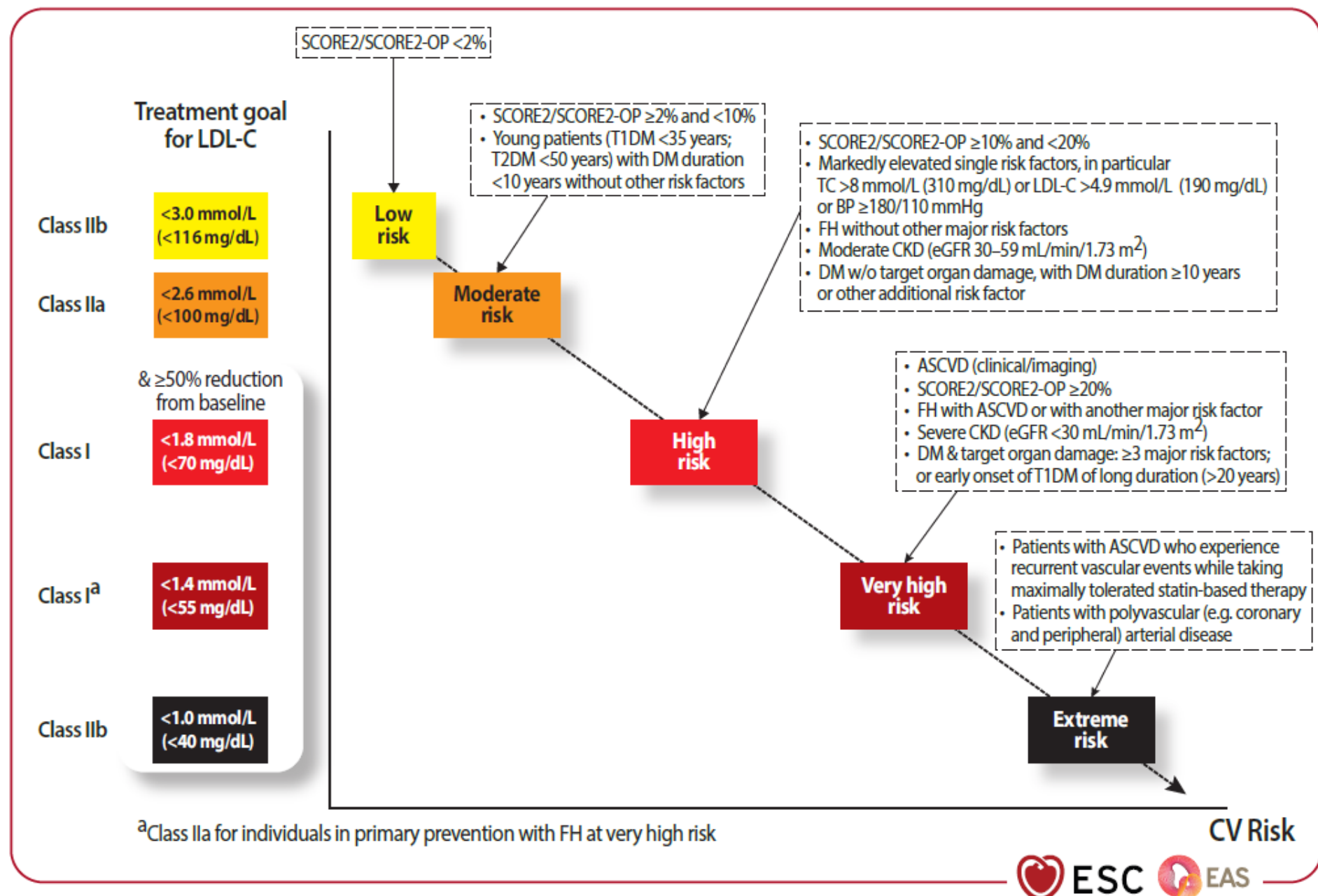
Università Tor Vergata

Potential Conflicts of Interest

Advisory Boards and Research Grants:

Eli Lilly, Novo Nordisk, MSD, AstraZeneca, Regeneron

No conflicts of interest relevant to this presentation

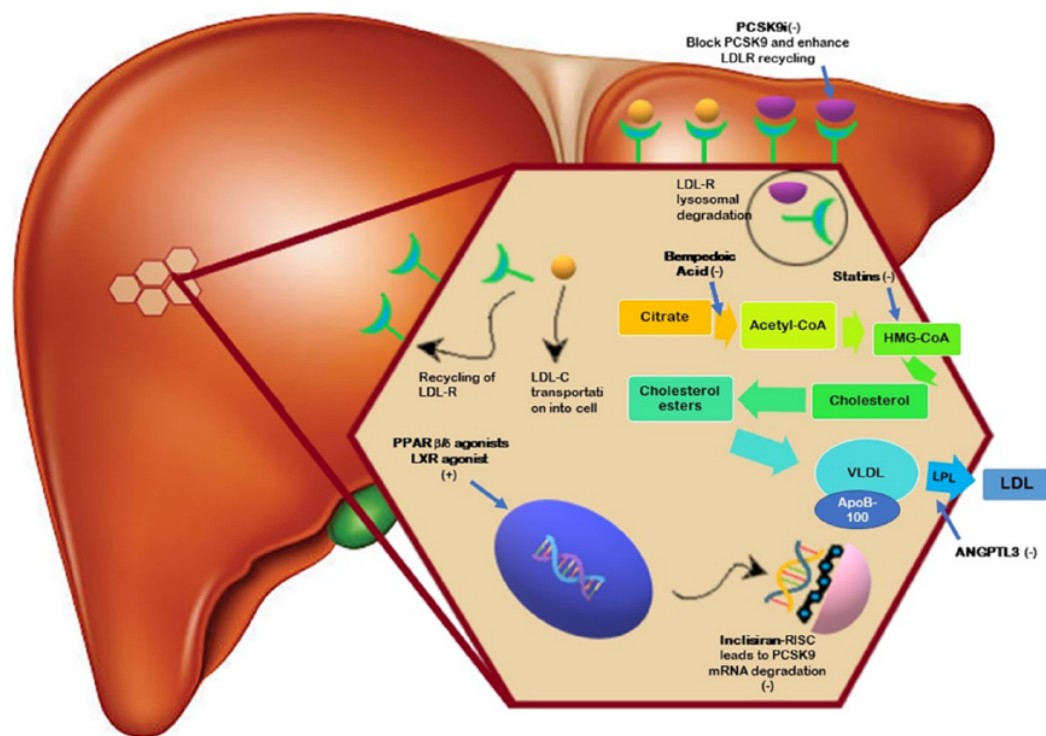


2025 Focused Update of the 2019 ESC/EAS Guidelines: Recommendations for Lipid-lowering Therapy in Patients with Acute Coronary Syndromes

Recommendations	Class	Level
Intensification of lipid-lowering therapy during the index ACS hospitalization is recommended for patients who were on any lipid-lowering therapy before admission in order to further lower LDL-C levels.	I	C
Initiating combination therapy with high-intensity statin plus ezetimibe during index hospitalization for ACS should be considered in patients who were treatment-naïve and are not expected to achieve the LDL-C goal with statin therapy alone.	IIa	B

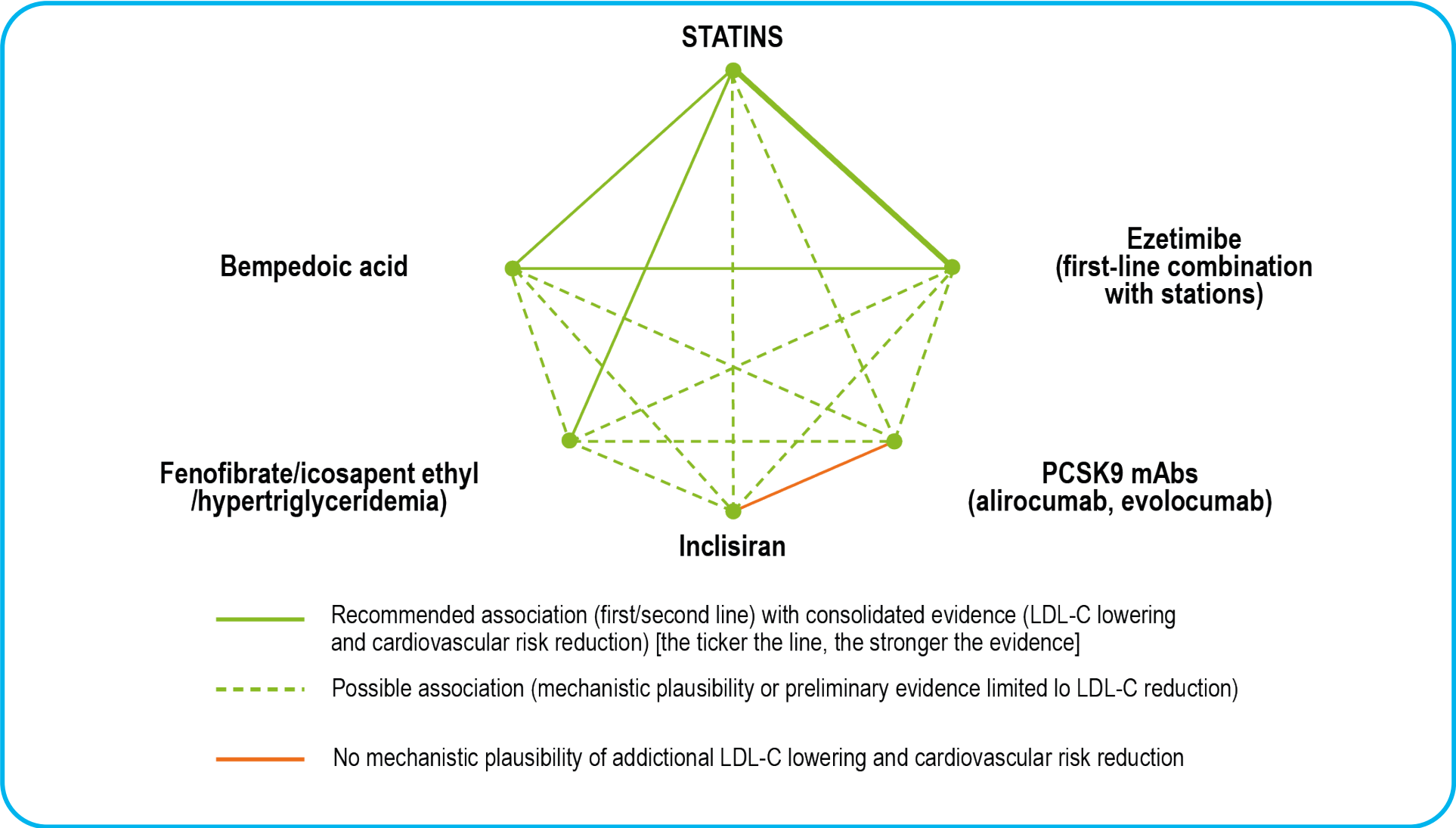
ACS, Acute coronary syndrome

Current Options and Future Perspectives in the Treatment of Dyslipidemia

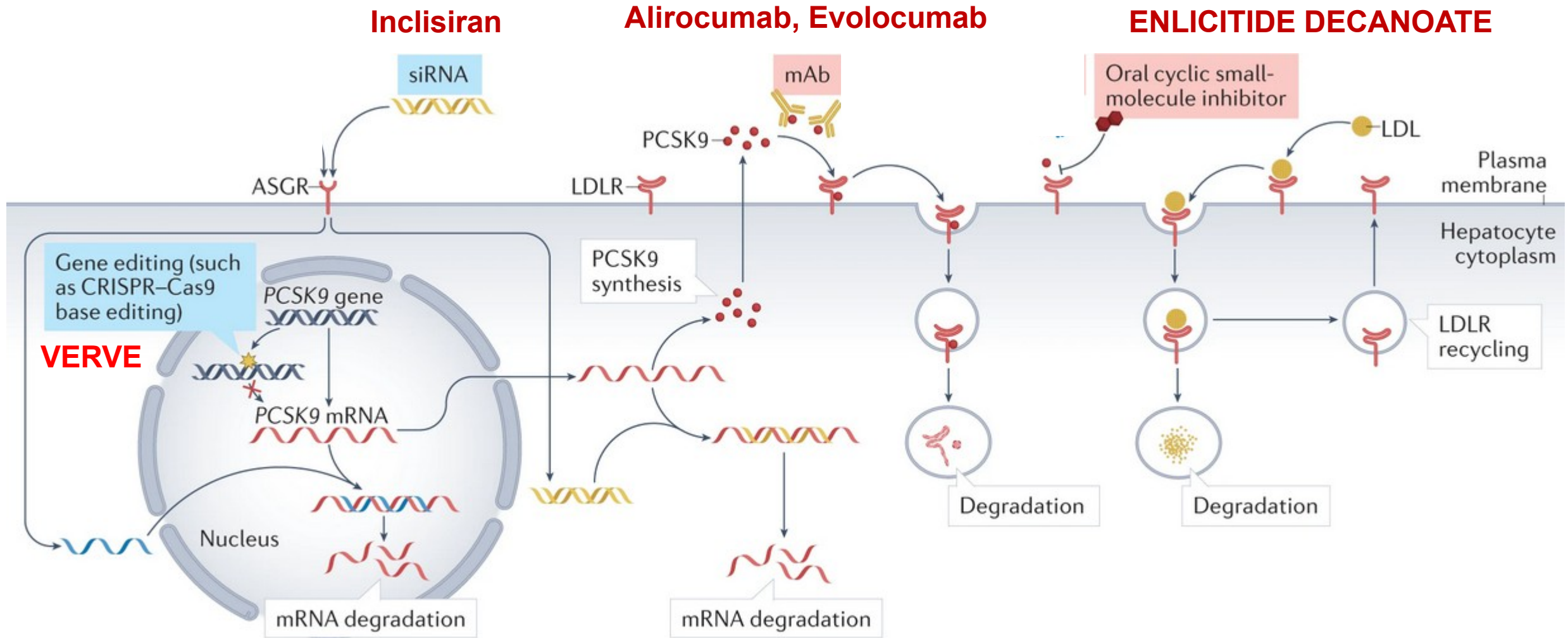


Drugs	MOA	Efficacy	EMA Approval	FDA Approval
PCSK9-i	Monoclonal antibodies that inhibit PCSK9, diminishing the recycling of LDL-R	Medium decrease of LDL-C: 61.9% [12,13]	✓	✓
Bempedoic Acid	The active metabolite inhibits adenosine triphosphate citrate lyase, leading to reduced acetyl CoA levels in the cholesterol synthesis pathway upstream of HMG-CoA reductase	Medium decrease of LDL-C: 27% [31,32] BA plus ezetimibe decrease LDL-C up to 48% [37]	✓	✓
Inclisiran	siRNA targeting 3' UTR of the PCSK9 mRNA leading to suppression of hepatic PCSK9 production	Medium decrease of LDL-C: 52.3% [45]	✓	✓
LXR agonists	Activation of LXR in macrophages induces cholesterol efflux. LXR reduce cholesterol absorption and promote intestinal excretion, increasing Apo E expression and downregulating Niemann-Pick C1 like 1	No RCTs available No human	✗	✗
PPARs agonists	Proteins that modulate the transcription of the target genes regulating glucose, TG and lipoprotein metabolism, cell proliferation, inflammation, and vascular tissue function	Seladelpar induce a medium decrease of LDL-C by 18–43% [71–73]	✗	✗
ANGPTL3 inhibitors	ANGPTL3 inhibits LPL from combining with the glycosylphosphatidylinositol-anchored HDL binding protein 1: Inhibition of ANGPTL3 results in lower plasma TG, ApoB, LDL-C and HDL-C	Evinacumab induce a medium decrease of TG levels up to 76% and LDL-C levels up to 23% [78] The addition of i.v. evinacumab to the treatment regimen of HoFH patients resulted in a mean reduction of LDL-C levels by 49% $\pm$ 23% after 4 weeks [78]	✓	✓
Mipomersen	Antisense oligonucleotide capable of binding ApoB-100 mRNA leading to decrease production of LDL, VLDL and Lp(a)	Medium decrease of LDL-C up to 71% [91–93]	✗	✓
Lomitapide	MTP inhibitor leading to reduced lipoprotein production (especially of Apo B)	Used for the treatment of FH Medium decrease of LDL-C levels up to 30% [106] In combination with ezetimibe LDL-C was reduced up to 46% [106]	✓	✓
Volanesorsen	Antisense oligo-nucleotide target to reduce hepatic ApoC-III mRNA	Medium decrease of TG levels up to 71.2% [110]	✓	✗

Lipid Lowering combination therapy



PCSK9i





Eleggibilità del paziente

- ✗ Paziente non eleggibile
- ✗ La risposta alla domanda: "Sono state escluse cause secondarie di ipercolesterolemia (es. patologie come ipotiroidismo, sindrome nefrosica o da farmaci come immunosoppressori, antiretrovirali e inibitori delle aromatasi)?" rende il paziente non eleggibile

Codice Paziente

2026061508524300019958

Centro

AZ. OSP. UNIV. POLICLINICO TOR

Iniz. Paz.

GI.CA.

Data Registrazione

15/06/2026

Data di Nascita

28/08/1949

INDICAZIONI TERAPEUTICHE

- PRALUENT -

Ipercolesterolemia primaria e dislipidemia mista**Praluent è indicato in adulti con ipercolesterolemia primaria (familiar eterozigote o non familiare) o da dislipidemia mista, in aggiunta alla dieta:**

- in associazione ad una statina o ad una statina con altre terapie ipolipemizzanti in pazienti non in grado di raggiungere gli obiettivi per il colesterolo LDL (C-LDL) con la dose massima tollerata di statine, oppure
- in monoterapia o in associazione ad altre terapie ipolipemizzanti in pazienti intolleranti alle statine o per i quali una statina è controindicata.

Malattia cardiovascolare aterosclerotica accertata**Praluent è indicato negli adulti con malattia cardiovascolare aterosclerotica accertata per ridurre il rischio cardiovascolare riducendo i livelli di C-LDL, in aggiunta alla correzione di altri fattori di rischio:**

- in associazione alla dose massima tollerata di statina con o senza altre terapie ipolipemizzanti oppure,
- in monoterapia o in associazione ad altre terapie ipolipemizzanti in pazienti intolleranti alle statine o per i quali l'uso delle statine è controindicato.

Per i risultati dello studio relativi agli effetti su C-LDL, eventi cardiovascolari e popolazioni studiate, vedere il paragrafo 5.1 RCP.

(E) Terapie ipolipemizzanti *:

- ☐ Fibrati
- ☐ Resine sequestranti acidi biliari
- ☐ Lomitapide
- ☐ Aferesi lipoproteine
- ☐ Acido bempedoico
- ☐ Evolocumab (E)
- ☐ Inclisiran (I)





PCSK9-inibitori

NON SONO RIMBORSATI
NEI PAZIENTI SOPRA GLI

> 80 anni

Limitazione di rimborsabilità AIFA
indipendente dal livello di LDL-C
o dal rischio cardiovascolare.



RIMBORSABILITÀ AIFA
PCSK9-inibitori non rimborsabili
nei pazienti con età **> 80 anni**.



L'età anagrafica **> 80 anni**
esclude la rimborsabilità,
indipendentemente dal livello
di LDL-C o dal rischio CV.

LINEE GUIDA ESC/EAS vs RIMBORSABILITÀ AIFA

PCSK9-inibitori: un divario che lascia pazienti non a target senza accesso alla terapia



Italian
Medicines
Agency



TARGET SECONDO
LINEE GUIDA ESC/EAS

Alto rischio
LDL-C < 55 mg/dL

Rischio estremo
LDL-C < 40 mg/dL



RIMBORSABILITÀ AIFA
PCSK9-inibitori in Italia

Rimborsato / Prescrivibile
solo se LDL-C ≥ 70 mg/dL



LDL-C
(mg/dL)

0

40

55

70

100

< 40

41–54

56–69

≥ 70

VALUTAZIONE
SECONDO
ESC/EAS



Target raggiunto
rischio estremo
(LDL-C < 40 mg/dL)



Non a target
rischio estremo
(target: < 40 mg/dL)



Non a target
alto rischio
(target: < 55 mg/dL)



Non a target
(target: < 55 mg/dL)

RIMBORSABILITÀ
PCSK9-i IN ITALIA



NON RIMBORSATO /
NON PRESCRIVIBILE



NON RIMBORSATO /
NON PRESCRIVIBILE



RIMBORSATO /
PRESCRIVIBILE



TREATMENT GAP

- LDL-C 56–69 mg/dL: pazienti ad **ALTO RISCHIO** rimangono sopra il target ESC/EAS (<55 mg/dL) ma non sono eleggibili al rimborso dei PCSK9-i.
- LDL-C 41–54 mg/dL: pazienti a **RISCHIO ESTREMO** rimangono sopra il target ESC/EAS (<40 mg/dL) ma non sono eleggibili al rimborso dei PCSK9-i.



LA RIMBORSABILITÀ PARTE DA **70 mg/dL**,
MENTRE LE LINEE GUIDA CHIEDONO
< 55 mg/dL (ALTO RISCHIO) O < 40 mg/dL (RISCHIO ESTREMO).

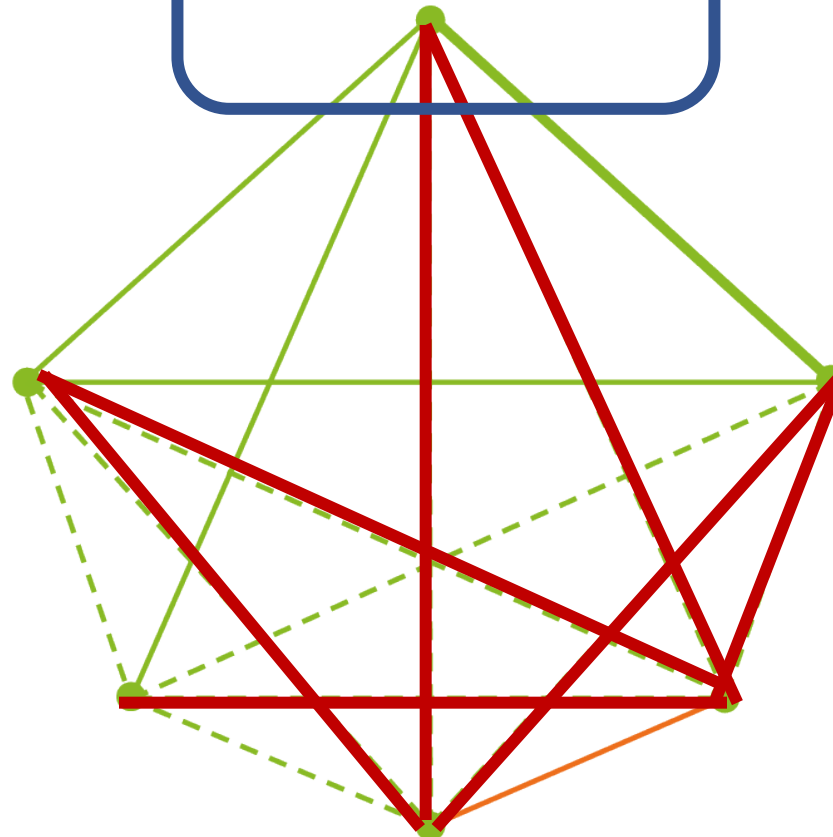
STATINS

Bempedoic acid

Ezetimibe
(first-line combination
with statins)

Fenofibrate/icosapent ethyl
(hypertriglyceridemia)

PCSK9 mAbs
(alirocumab, evolocumab)



Inclisiran

**The Underused Miracle Drugs: The Statin
Drugs Are to Atherosclerosis What
Penicillin Was to Infectious Disease***

drug within 2 years.

All of this, of course, is good news for coronary angioplasty, coronary bypass, carotid endarterectomy, abdominal aortic resection, and peripheral vascular operative procedures, but it is bad news for patients and an embarrassment for physicians. It took 80 years after it was demonstrated that high cholesterol diets caused atherosclerosis in rabbits before a safe, efficacious, once-a-day drug became available which could actually prevent and/or arrest atherosclerosis. The challenge now is to use these miracle antiatherosclerotic drugs more frequently, to use them in sufficient doses to do their job, and to convince patients that these miracle drugs taken every day are the best antiatherosclerotic insurance they can purchase. The cost of 5 cigarettes readily pays for the drug each day. If the quantity of meat consumed was reduced in half, there would be plenty of money left over to purchase the miracle statin drugs.

William C. Roberts

Secondary Prevention Trials Involving Statin

Trial name	Duration (years)	Treatment	Patients	LDL-C baseline	LDL-C at end of treatment, or on treatment	Primary result
4S ¹	5.4	Simvastatin 20 mg vs placebo	Stable CHD and dyslipidemia (N=4,444)	Both groups: 260.2 mg/dL (6.7 mmol/L)	Simvastatin: 35% reduction Placebo: 1% increase	30% reduction in primary endpoint: total mortality (P=0.0003)
CARE ²	5.0	Pravastatin 40 mg/d vs placebo	Unstable CHD and average cholesterol levels (N=4,159)	Both groups: 139 mg/dL (3.6 mmol/L)	Pravastatin: 97 mg/dL (2.5 mmol/L), 32% reduction vs baseline, 28% reduction vs placebo	24% reduction in primary endpoint: death from CHD (fatal MI, sudden death, death during a coronary intervention, death from other coronary causes, p=0.003) or nonfatal MI
LIPID ³	5	Pravastatin 40 mg/d vs placebo	Unstable CHD and elevated LDL-C (N=9,014)	Both groups: 150 mg/dL (3.9 mmol/L)	Pravastatin: 25% reduction vs placebo (P<0.001)	24% reduction in primary endpoint: death due to CHD (fatal MI, sudden death, hospital death after MI, or death due to heart failure or other coronary cause, p<0.001)
HPS ⁴	5	Simvastatin 40 mg vs placebo	High-risk stable CHD with a range of cholesterol levels (N=20,536)	Both groups: 131 mg/dL (3.4 mmol/L)	Simvastatin: -1.0 mmol/L reduction vs placebo	13% reduction in primary endpoint: all-cause mortality (p=0.0003)
TNT ⁵	4.9	Atorvastatin 10 mg vs 80 mg	Stable CHD slightly elevated LDL-C (N=10,003)	Atorvastatin 10 mg: 98 mg/dL (2.5 mmol/L) Atorvastatin 80 mg: 97 mg/dL (2.5 mmol/L)	Atorvastatin 10 mg: 101 mg/dL (2.6 mmol/L) Atorvastatin 80 mg: 77 mg/dL (2.0 mmol/L), 21% reduction vs baseline	22% reduction in primary endpoint: death from CHD, non-fatal MI, resuscitation after cardiac arrest, or fatal or nonfatal stroke (P<0.001) for atorvastatin 80 mg vs 10 mg
IDEAL ⁶	5	Atorvastatin 80 mg vs simvastatin 20 mg	Stable CHD with dyslipidemia (N=8,888)	Simvastatin 20 mg: 121.4 mg/dL (3.1 mmol/L) Atorvastatin 80 mg : 121.6 mg/dL (3.1 mmol/L)	Simvastatin 20 mg/dL: 104 mg/dL (2.7 mmol/L) Atorvastatin 80 mg/dL: 81.0 mg/dL (2.1 mmol/L) -2.9 mg/dL reduction vs simvastatin	11% reduction in primary endpoint: major coronary events (coronary death, hospitalization for nonfatal acute MI, or cardiac arrest with resuscitation, P=0.07)
SEARCH ⁷	6.7 years	Simvastatin 20 mg vs simvastatin 80 mg	Stable CHD at high CV risk (N=12,604)	Both groups: 2.5 mmol/L (38.7 mg/dL)	Simvastatin 80 mg: 2.2 mmol/L -14% reduction (-0.35 mmol/L) vs 20 mg group	6% reduction in the primary endpoint: major vascular events (coronary death, myocardial infarction, stroke, or arterial revascularisation, P=0.10)

MIRACL: Early Intensive Statin treatment

- 3086 pts with UA or non-Q-wave MI randomized to atorvastatin (80 mg/d) or placebo between 24 and 96 hours after hospital admission
- Primary End-point: death, nonfatal MI, cardiac arrest with resuscitation, recurrent symptomatic myocardial ischemia requiring hospitalization

Figure 3. Kaplan-Meier Estimates of Primary Outcomes

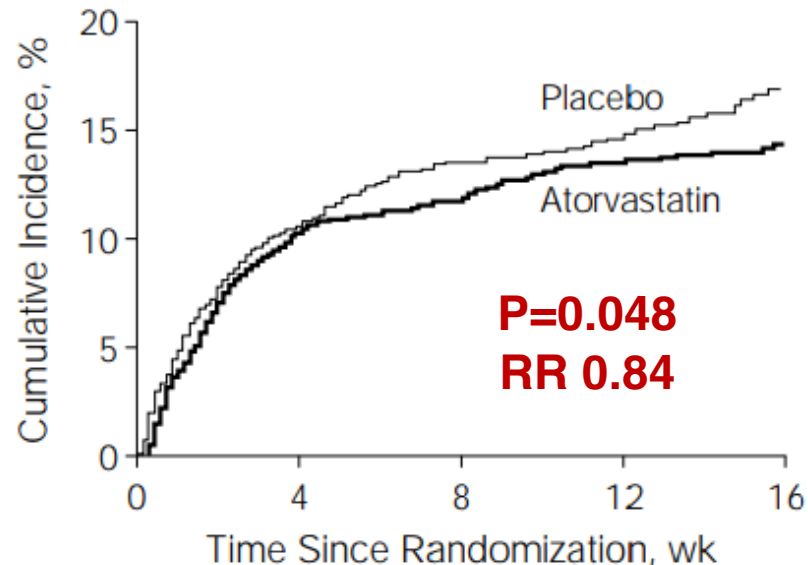
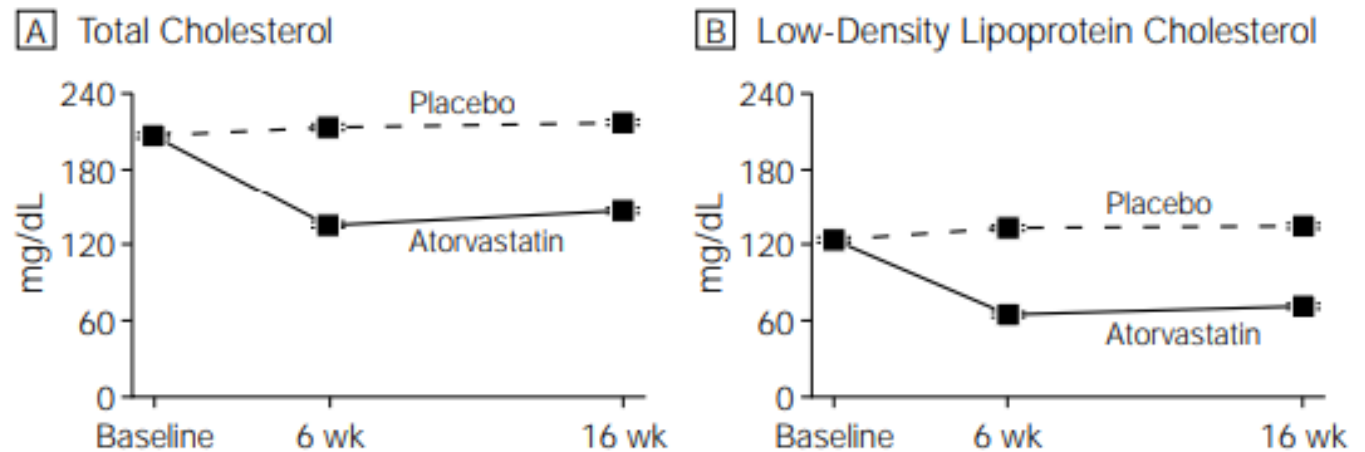


Figure 2. Serum Lipid Levels in Atorvastatin vs Placebo Groups



RACING Trial: Rethinking Statin Strategy in ASCVD

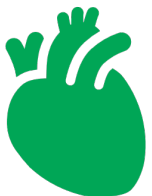
Moderate-Intensity Statin Plus Ezetimibe Proven Noninferior to High-Intensity Statin Monotherapy With Better LDL-C Control and Tolerability



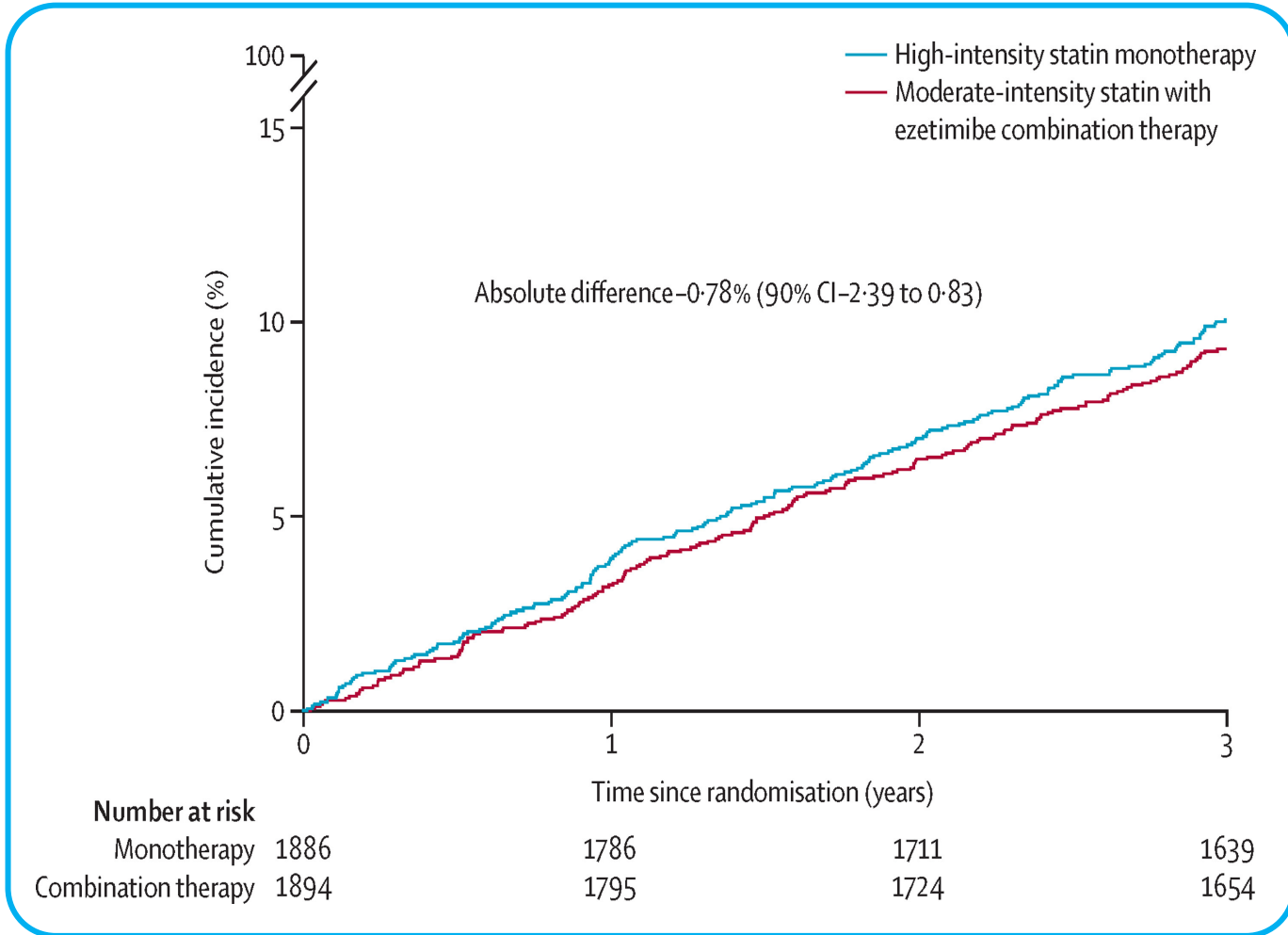
Combination therapy was non-inferior for the 3-year composite of CV death, major CV events, or non-fatal stroke



Fewer patients discontinued combination therapy than monotherapy due to side effects (4.8% vs 8.2%; $p < 0.0001$)



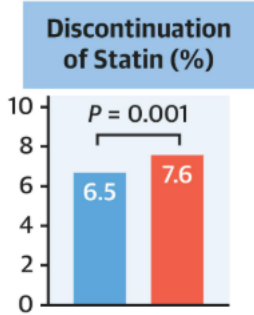
More patients achieved an LDL-C < 1.8 mmol/L (< 70 mg/dL) with combination therapy than with monotherapy after 3 years (72% vs 58%; $p < 0.0001$)



Combination Lipid-Lowering Therapy in Patients Undergoing Percutaneous Coronary Intervention: RWE

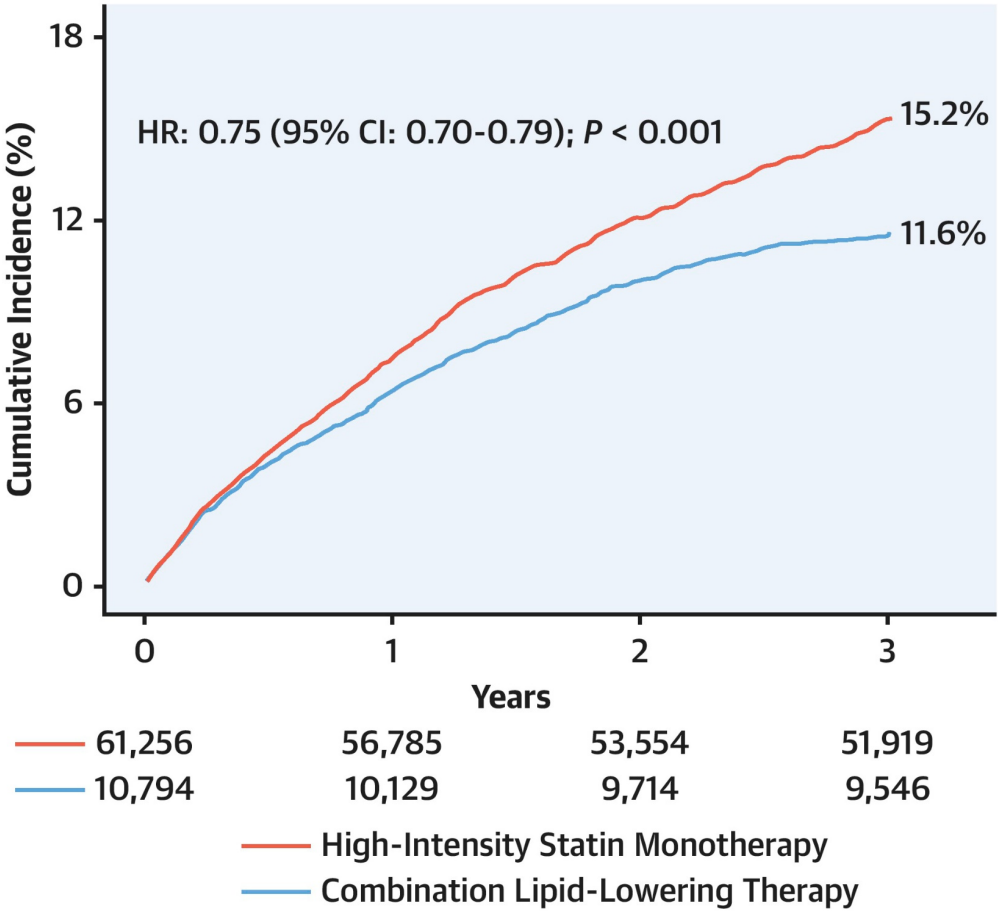
10,794 patients with rosuvastatin 10 mg plus ezetimibe 10 mg (combination lipid-lowering therapy) and 61,256 patients with rosuvastatin 20 mg monotherapy

Combination lipid-lowering therapy was associated with a lower occurrence of the primary endpoint (11.6% vs 15.2% for those with high-intensity statin monotherapy; HR: 0.75; 95% CI: 0.70-0.79; $P < 0.001$)

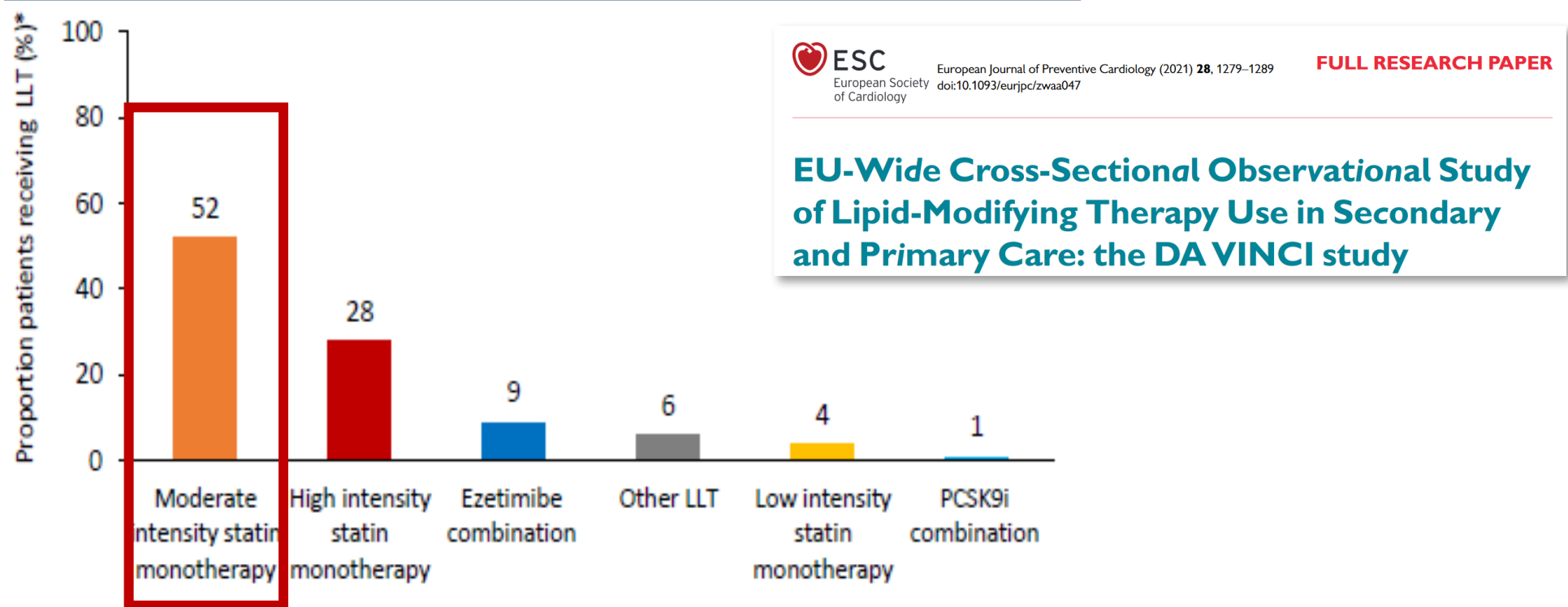


Seung-Jun Lee et al. *JACC* 2023; 82:401-410.

3-Year composite events of CV death, MI, coronary artery revascularisation, heart failure, or stroke²



LO STUDIO DA VINCI (2021) HA MESSO IN LUCE CHE ANCORA POCHI PAZIENTI (~40%) RICEVONO TERAPIE IPOCOL. AD ALTA EFFICACIA



La maggior parte dei pazienti riceve LLT con statine a moderata intensità

- SOLO IL 28% riceve una statina AD ALTA INTENSITÀ
- SOLO IL 9% riceve una COMBINAZIONE CON EZETIMIBE

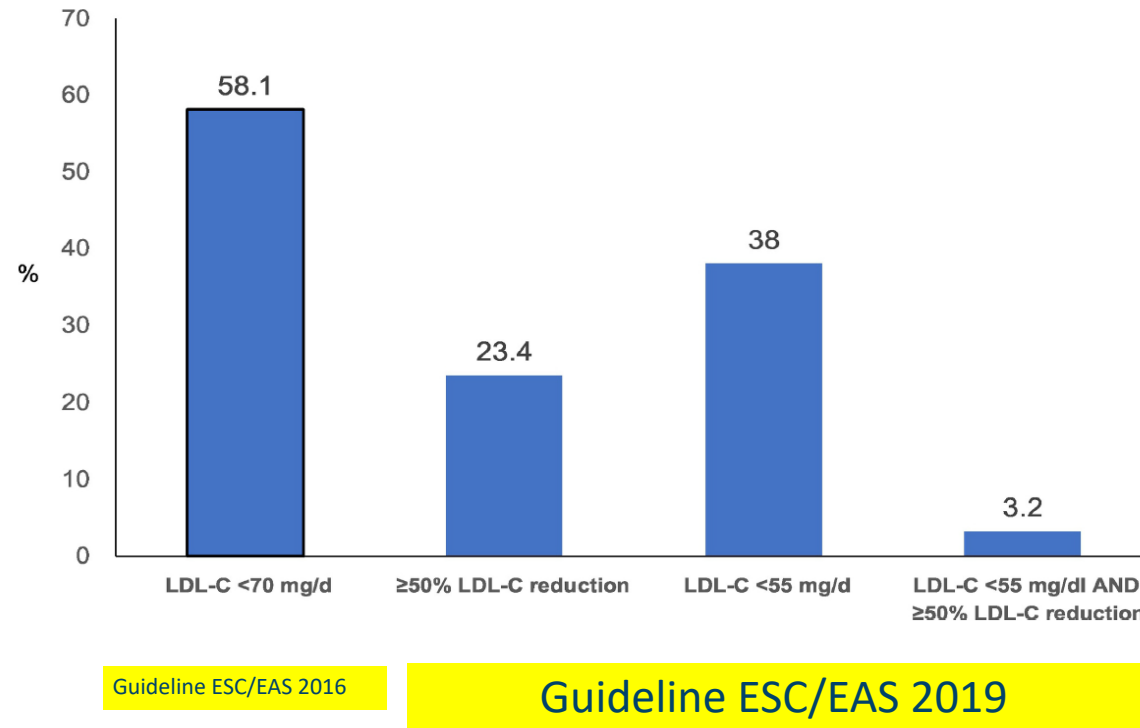
IL REGISTO START CONFERMA QUESTO SCENARIO



Registro Start

Studio osservazionale, prospettico, su 5053 pazienti con malattia cardiovascolare aterosclerotica.

4751 pazienti (94%) a rischio molto alto



SOLO NEL 4,8% dei casi è stata prescritta l'associazione statina ad alta intensità/ezetimibe

SOLO IL 3,2% dei pazienti ha raggiunto il target terapeutico definito dalle linee guida ESC/EAS 2019 (C-LDL <55 mg/dl e riduzione C-LDL ≥50%)

The SANTORINI Study

LDL-C Levels and patients achieving target at baseline and at the 1-year follow-up



	Overall (N=1850)		High risk (N=436)		Very high risk (N=1414)	
	Baseline	1-year follow-up	Baseline	1-year follow-up	Baseline	1-year follow-up
LDL-C, mg/dL, mean (SD)	97.9 (49.3)	73.1 (35.1)	110.1 (54.4)	89.1 (40.1)	94.2 (46.9)	68.2 (31.9)
Patients at LDL-C goal, %	20.8	34.9	22.3	33.9	20.4	36.1



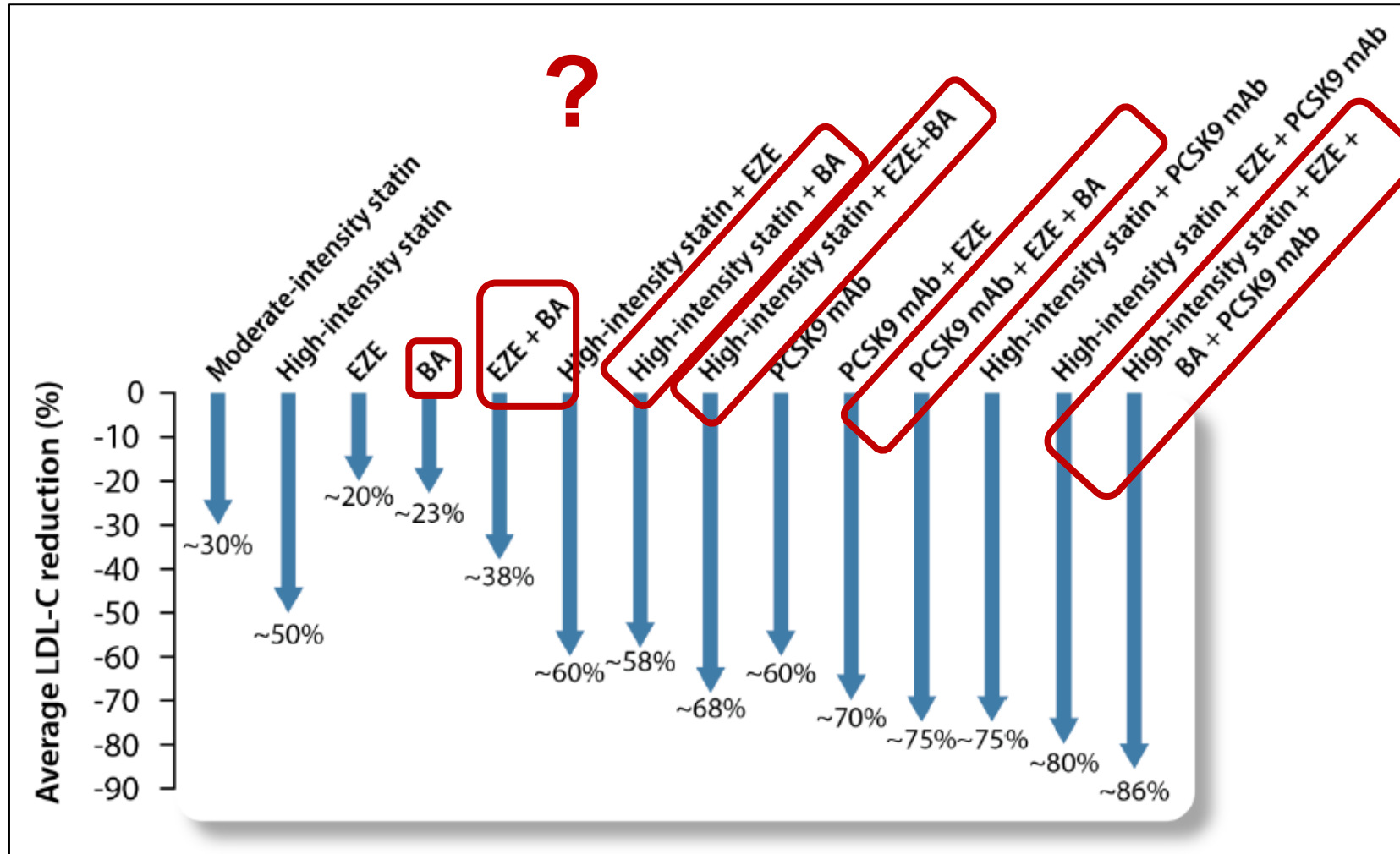
Overall, LDL-C was reduced in both risk groups at follow-up versus baseline



Among patients with available LDL-C data, more patients reached their LDL-C goals at follow-up versus baseline

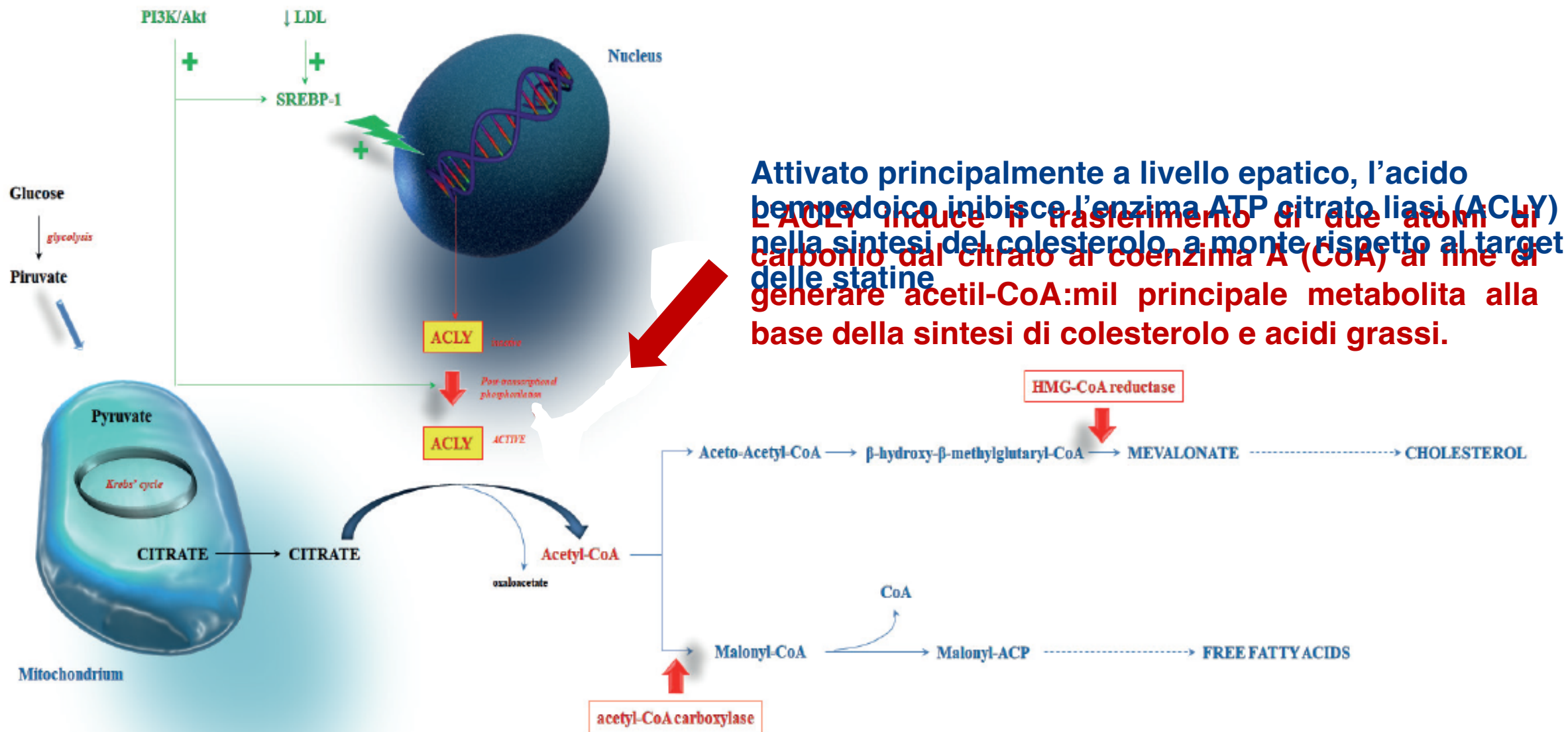
Combination therapy rather than monotherapy should be considered as standard of care for high- and in particular for very high-risk patients

2025 Focused Update of the 2019 ESC/EAS Guidelines: Riduzione media dei livelli di LDL-C con diverse terapie farmacologiche con comprovati benefici cardiovascolari

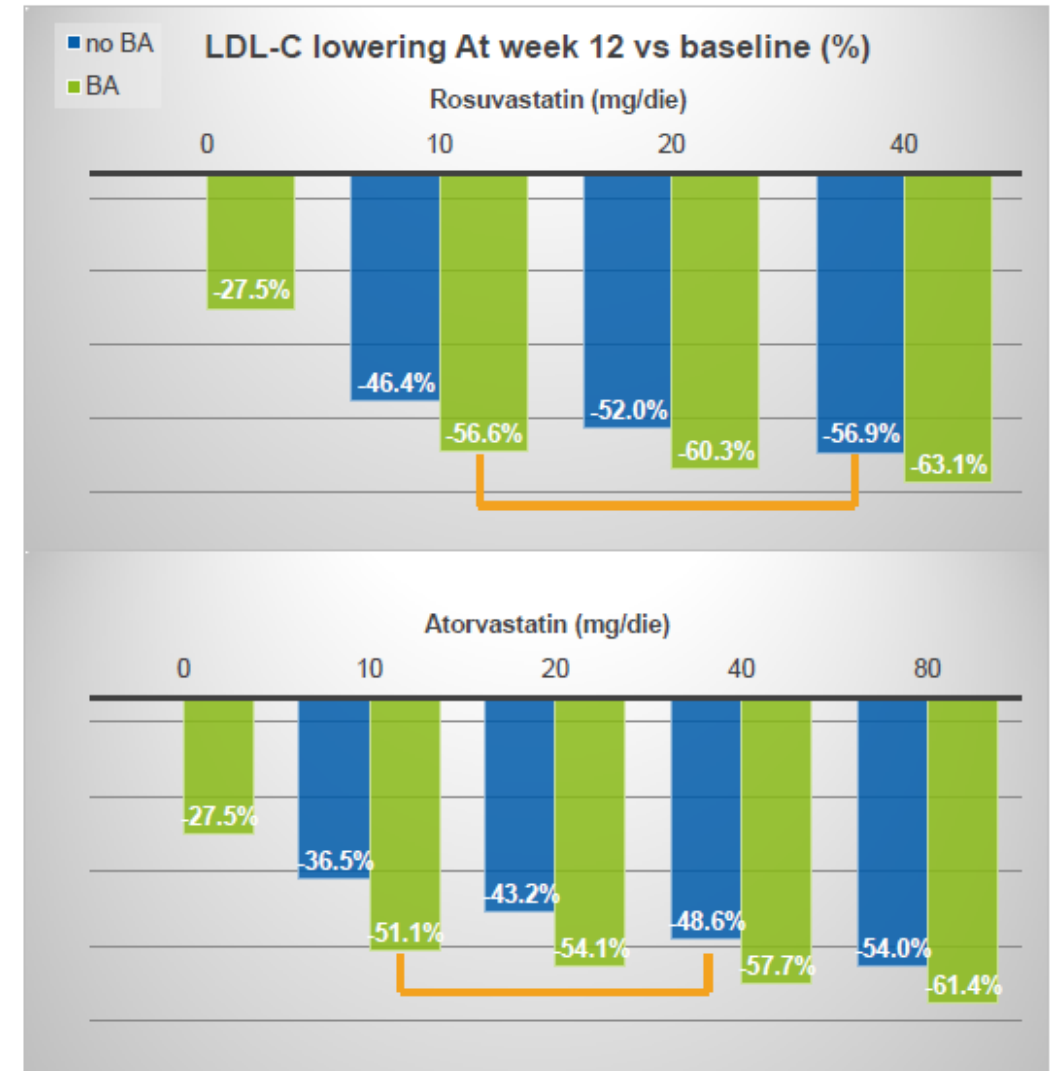
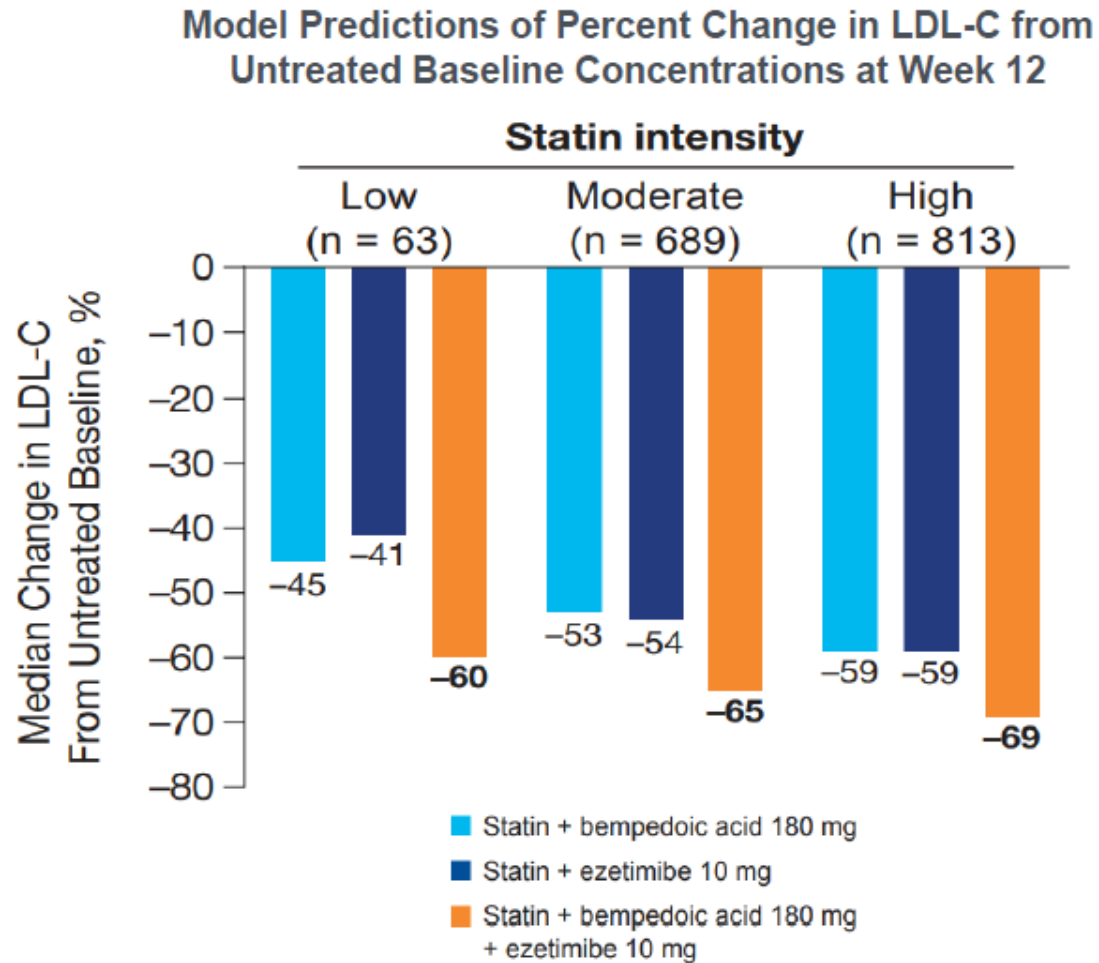


Mach F. et al, European Heart Journal (2025) 00, 1–20

Adenosin-trifosfato citrate liasi (ACLY) ed effetti dell'acido bempedoico sul metabolismo lipidico:

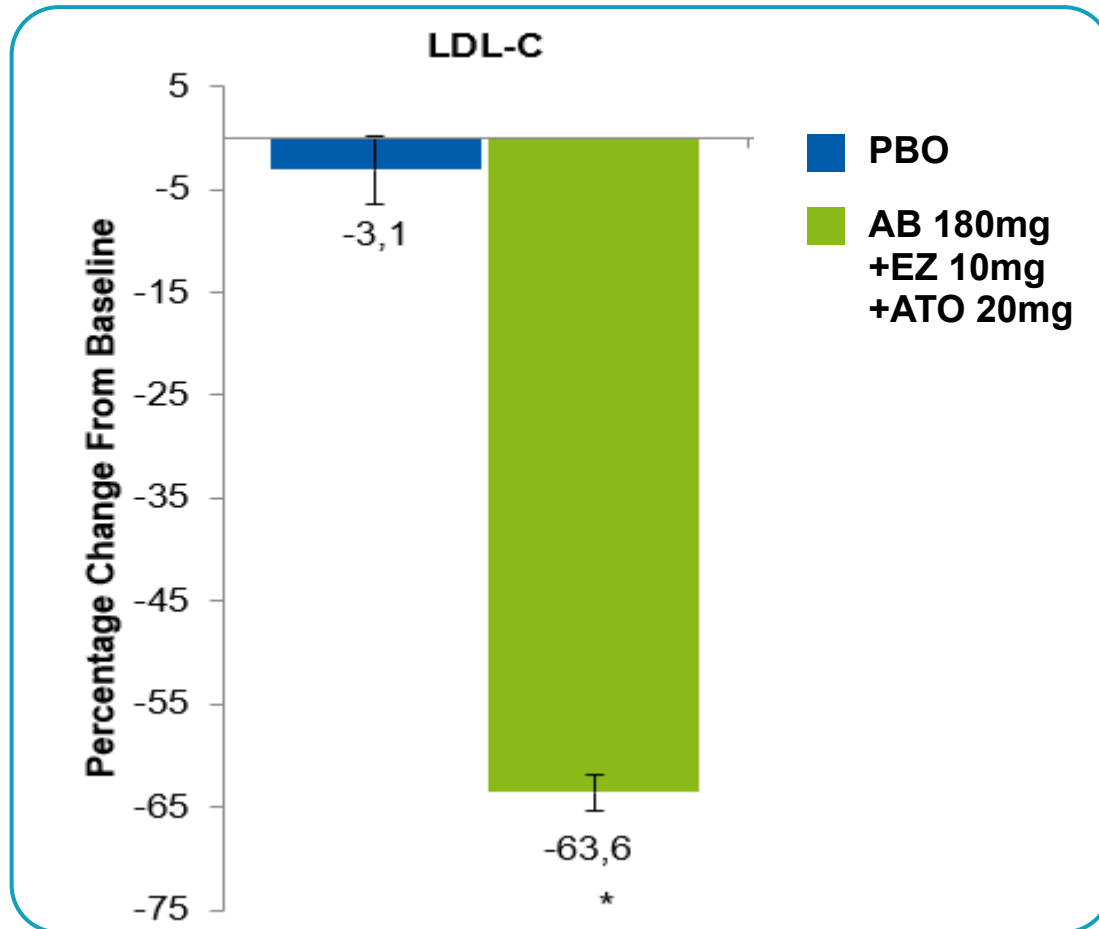


Bempedoic acid impact on lipid control



Triple Add-on: Bempedoic Acid, Ezetimibe e Atorvastatin 20 mg

A phase 2 study showed that the *add-on* therapy lowers LDL-C levels more than 60% compared to baseline



At week 6:

- 95% of patients reduce their LDL-C $\geq 50\%$ compared to baseline
- 90% of patients showed LDL-C below 70 mg/dL
- 58.5% of patients showed LDL-C below 55 mg/dL

Triple Oral Combination

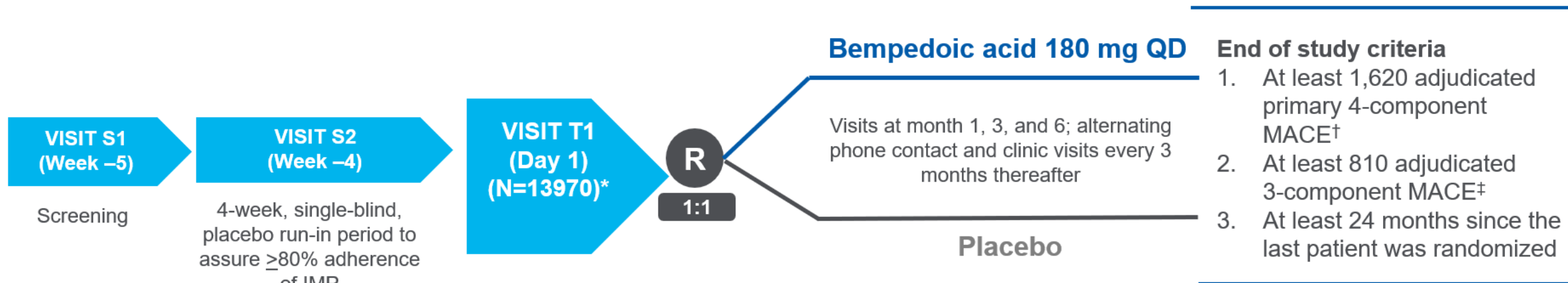
A combination strategy offering an effective reduction in cholesterol levels for high-risk patients who fail to reach their treatment target with conventional therapies.

Least squares mean percentage changes from baseline to Week 6. Values are least-squares mean $\pm$ SE

*p < .001 for the comparison of triple therapy vs placebo

LDL-C, low-density lipoprotein cholesterol; TC, total cholesterol.

Bempedoic Acid: CLEAR OUTCOME



Objective

To evaluate whether long-term treatment with bempedoic acid versus placebo reduces the risk of MACE-4 in patients with, or at high risk for, CVD who are statin intolerant

Composite primary efficacy endpoint:

Time to first occurrence of MACE (composite of CV death, nonfatal MI, nonfatal stroke, or coronary revascularization)

Key secondary endpoints:

Time to first occurrence of:

- The composite of CV death, nonfatal MI, nonfatal stroke (MACE-3)
- Fatal + nonfatal MI
- Coronary revascularization
- Fatal + nonfatal stroke

Time to:

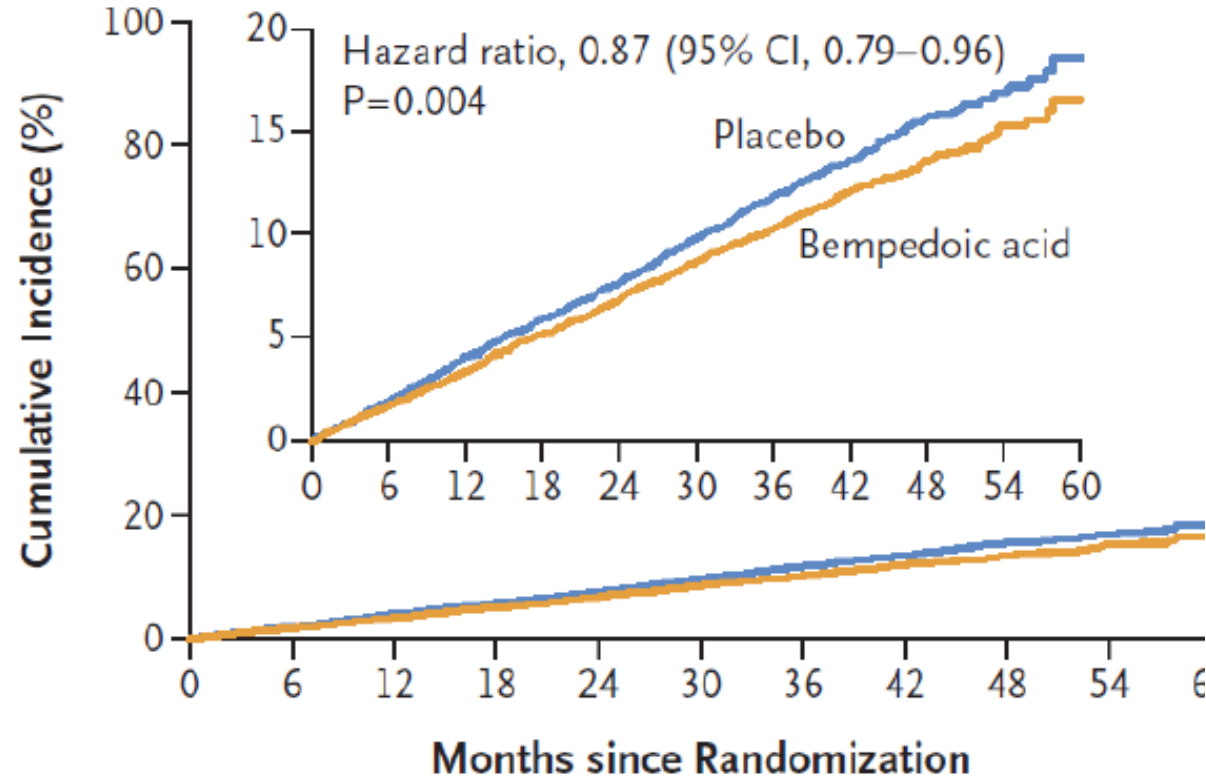
- CV death
- All-cause mortality

Sequential testing

*Enrolment of high-risk patients without a history of atherosclerotic CVD was capped at 30%. [†]Including CV death, nonfatal MI, nonfatal stroke, or coronary revascularisation. [‡]Including CV death, nonfatal MI, or nonfatal stroke. **CVD**, cardiovascular disease; **HbA1c**, haemoglobin A1c; **IMP**, investigational medicinal product; **LDL-C**, low-density lipoprotein cholesterol; **MACE**, major adverse cardiovascular event; **MI**, myocardial infarction, **QD**, once daily

CLEAR Outcome: 4-P MACE

CLEAR Outcome: 3-P MACE



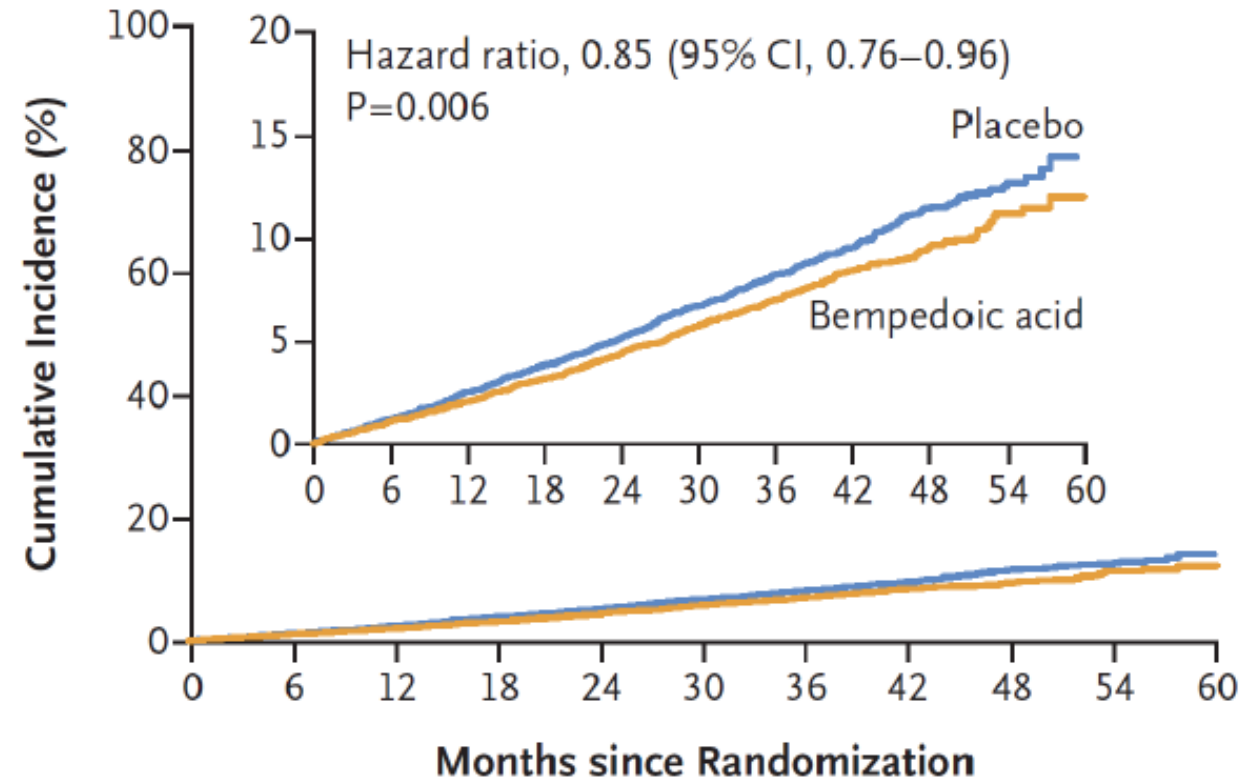
Bempedoic acid (11.7%) vs. placebo (13.3%)¹

1.6% ARR

HR 0.87, 95% CI: 0.79–0.96, P=0.004¹

13% RRR¹

NNT 63²



Bempedoic acid (8.2%) vs. placebo (9.5%)¹

1.3% ARR

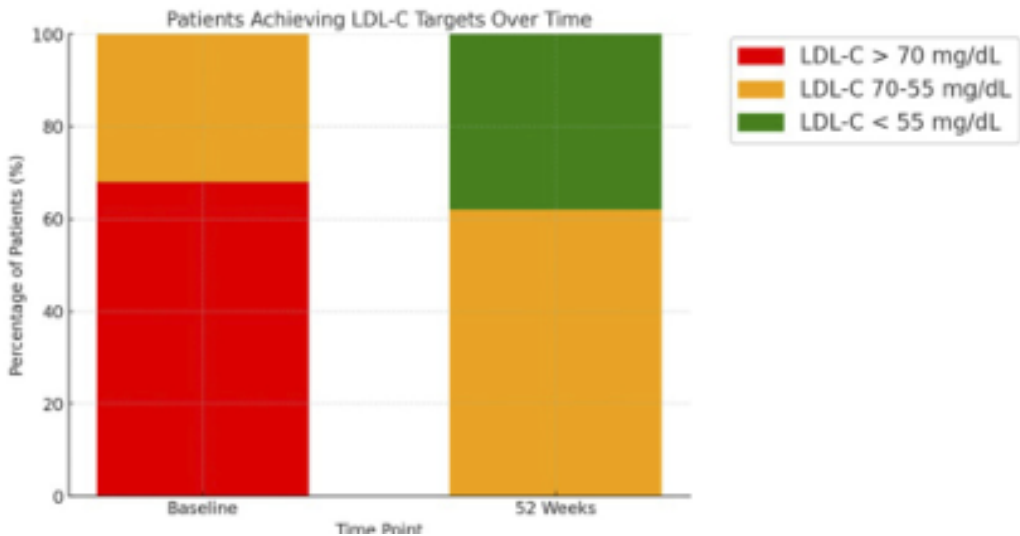
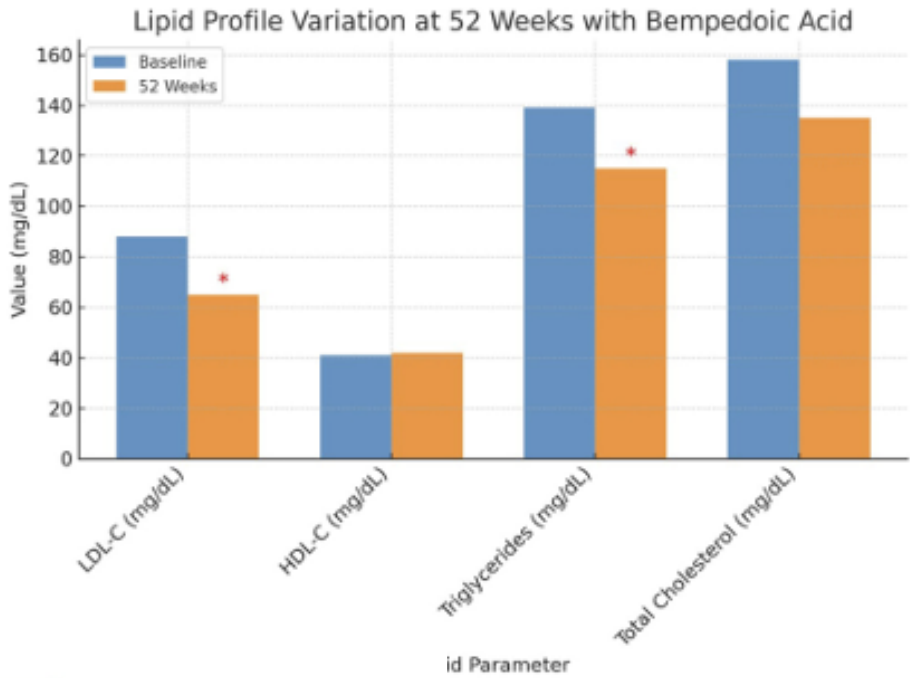
HR 0.85, 95% CI: 0.76–0.96, P=0.006¹

15% RRR¹

NNT 72²

Evaluation of bempedoic acid in elderly patients: real-world evidence from the REALIST study

Characteristic	Baseline values
Age (years)	>81 (inclusion criterion)
Female (%)	30%
BMI (kg/m²)	25 ± 6
Coronary artery disease (%)	94%
Peripheral artery disease (%)	14.8%
Cerebrovascular disease (%)	5.5%
Diabetes (%)	72.2%
Hypertension (%)	90.7%
Statin use (%)	72.2%
Ezetimibe use (%)	27.8%
LDL-C (mg/dL) ±SD	88 ± 8
HDL-C (mg/dL) ±SD	41 ± 5
Triglycerides (mg/dL) ±SD	139 ± 21
Total cholesterol (mg/dL) ±SD	158 ± 17
Creatinine (mg/dL) ±SD	1.2 ± 0.8
GFR (mL/min/1.73m²) ±SD	58 ± 15
ALT (U/L) ±SD	31 ± 8
AST (U/L) ±SD	33 ± 6
Uric acid (mg/dL) ± SD	5.9 ± 2.7



Immediate Use of Oral Triple-Combination Therapy in Patients with ACS

LAI-REACT Study

LAI-REACT: An open-label, proof-of-concept study

Inclusion criteria

Patients with ACS up to 85 years of age admitted for PCI to Himachal Heart Institute, India

Exclusion criteria

Patients already treated with statins or other lipid medications, and needing staged PCI

All consented patients were provided with 42 doses of oral triple-combination therapy after PCI intervention

**Rosuvastatin
40 mg/day**

**Ezetimibe
10 mg/day**

**Bempedoic acid
180 mg/day**

Non-fasting blood samples were collected at 1, 2, 4 and 6 weeks after initiation of oral triple-combination therapy, with lipid parameters, hsCRP, hepatic enzymes and uric acid levels, measured



Immediate Use of Oral Triple-Combination Therapy in Patients with ACS

LAI-REACT Study



To examine if LDL-C would be rapidly and safely reduced in patients with ACS, oral triple-combination therapy with rosuvastatin 40 mg, ezetimibe 10 mg and bempedoic acid 180 mg was evaluated in 122 Indian patients with ACS (after PCI) over 6 weeks.



The proportion of patients achieving LDL-C ≤ 55 mg/dL at 4 weeks after treatment initiation was $>75\%$



LDL-C lowering with oral triple-combination therapy was comparable to the reported efficacy of high-intensity statins in combination with PCSK9i,^{1,2} and it was well generally tolerated.

Reduction in LDL-C concentration and LDL-C goal attainment following oral triple-combination therapy³

Parameter (N=122)	Baseline	1 week	2 weeks	4 weeks	6 weeks
LDL-C (mg/dL), mean $\pm$ SD	115.6 $\pm$ 35.5	48.9 $\pm$ 18.2*	44.3 $\pm$ 17.1*	44.1 $\pm$ 16.6*	45.6 $\pm$ 16.5*
Percentage (%) reduction in LDL-C	-	57.7	61.7	61.9	60.6
Proportion (%) of patients with LDL-C <55 mg/dL [†] (ESC goal) ⁴	2.4	72.8	79.8	78.5	73.3
Proportion (%) of patients with LDL-C <70 mg/dL (ACC goal)	8.2	90.3	92.2	92.6	86.6
Proportion (%) of patients with ApoB <65 mg/dL	13.1	-	-	73.9 [‡]	-

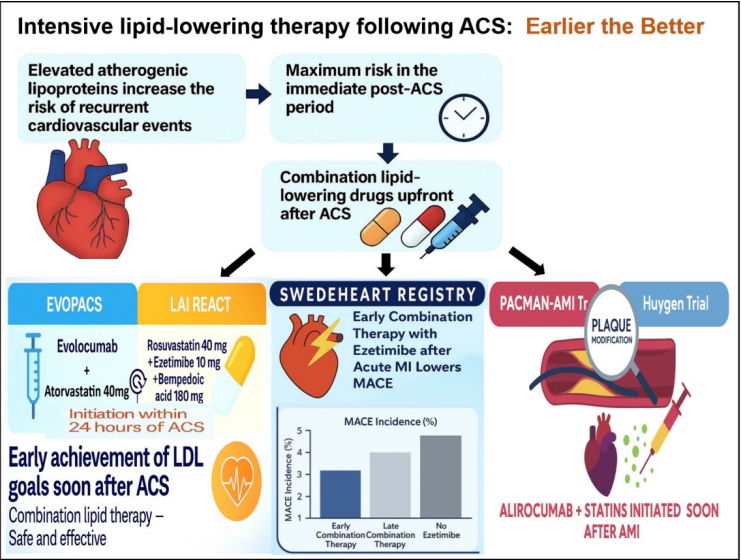
*p<0.001 compared to baseline. [†]ACC goal as per 2022 expert consensus for very high-risk patients.⁵

[‡]Apo-B measurement at 4 weeks was repeated in 87 patients only

ACC, American College of Cardiology; ACS, acute coronary syndrome; ApoB, apolipoprotein B; ESC, European Society of Cardiology; HDL-C, high-density lipoprotein cholesterol; LDL-C, low-density lipoprotein cholesterol; PCI, percutaneous coronary intervention; PCSK9i, proprotein convertase subtilisin/kexin type-9 inhibitor

1. Koskinas KC, et al. J Am Coll Cardiol. 2019;74(20):2452–62; 2. Leucker TM, et al. Circulation. 2020;142(4):419-1; 3. Mahajan K, et al. J Clin Lipidol. 2024;<vol and page no. to be added> 4. Mach F, et al. Eur Heart J. 2020;41(1):111–88; 5. Jones JE, et al. J Clin Med. 2023;12(23):7432

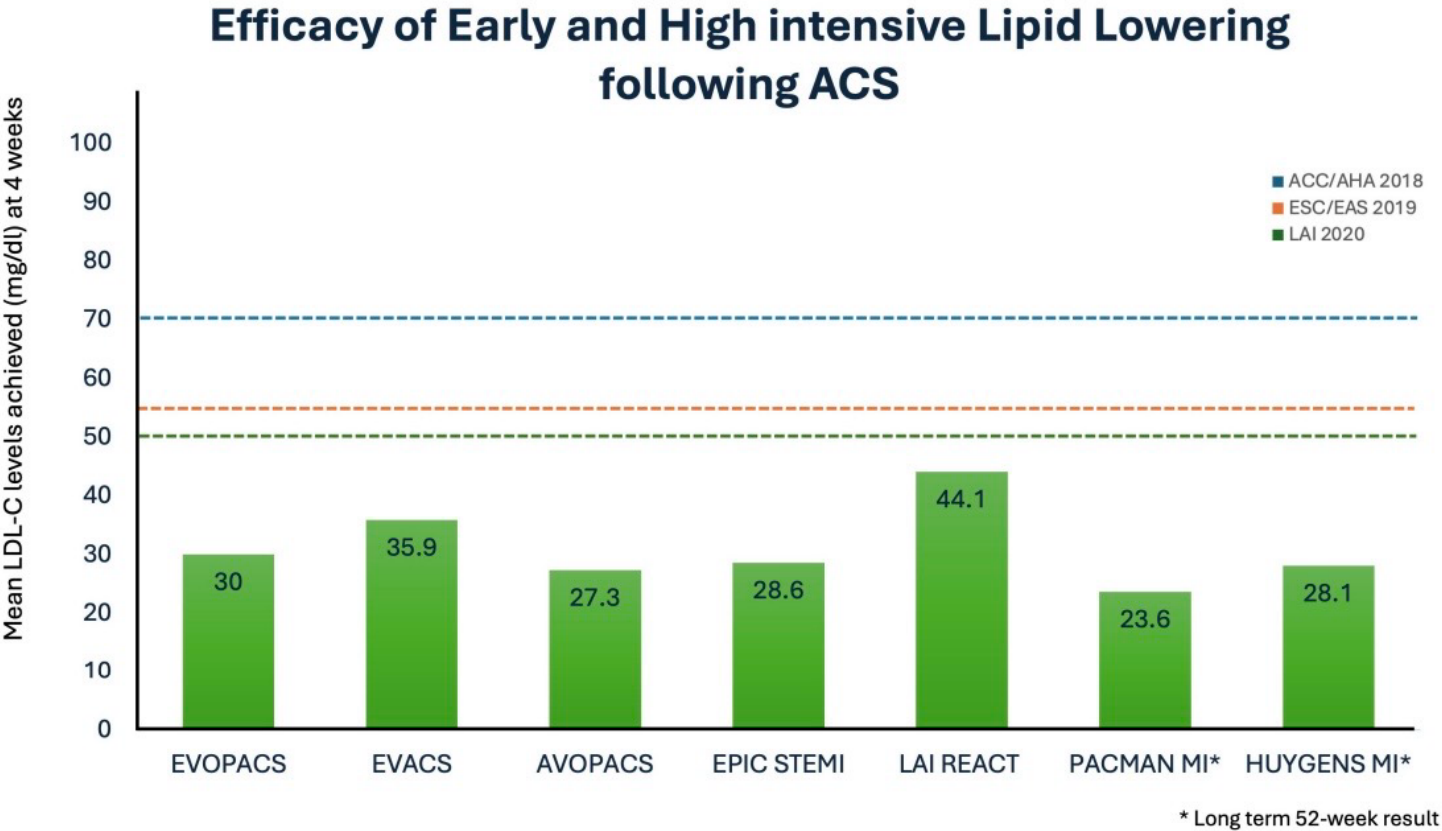
Intensive Lipid-Lowering Therapy Following Acute Coronary Syndrome: The Earlier the Better



Access limitations to advanced therapies, particularly PCSK9 inhibitors due to cost constraints, further hinder goal attainment.

Triple REB therapy quickly and effectively lowers LDL-C after ACS, with significant reductions seen in one week and maintained for six weeks.

REB, Rosuvastatin 40mg+Ezetimibe+Bempedoic Acid



Approach for lipid-lowering treatment to achieve risk-based LDL-C goals.

Step 1

Step 1: Assess cardiovascular risk (event rate) to guide LDL-C goal and LLT approach proactively based on distance from goal

Risk

LDL-C goal

Low

<3mmol/L

Moderate

<2.6mmol/L

High

<1.8mmol/L

Very High

<1.4mmol/L

Extreme

<1.0mmol/L

Step 2

Step 2: Initiate TX

Reach risk-based LDL-C goals within 4-6 weeks with fewest steps guided by distance from goal and prior history of statin intolerance

1. LDL-C <4.2:
→ start moderate-intensity statin

2. LDL-C ≥4.2 to <6:
→ start HI-statin

3. LDL-C ≥6:
→ start HI-statins + EZE

4. Statin-intolerant:
→ BA + EZE

1. LDL-C <5.2:
→ start HI-statin

2. LDL-C ≥5.2:
→ start HI-statins + EZE

3. Statin-intolerant:
→ start BA + EZE irrespective of LDL-C

Early combination therapy as first line for all to reach LDL-C goals within 4-6 weeks

1. LLT-naïve: → start combination with HI-statin + EZE

2. If ACS and on LLT:
→ start triple oral therapy or combine one oral + one injectable

3. Statin-intolerant:
→ start BA + EZE + injectable

4. Heterozygous FH:
→ start HI-statin + EZE+ injectable

Likely already on LLT

1. Start triple oral therapy or oral therapy + injectable

2. Statin-intolerant:
→ start BA + EZE + injectable

What LLT regimen to implement

Step 3

Step 3: Recheck LDL-C after 4-6 weeks:

• If risk-based LDL-C goals achieved → continue

• If LDL-C goals not achieved add in additional LLT based upon distance from goal and availability.

Recheck LDL-C in 4-6 weeks after adjunctive therapy added

Step 4

Step 4: Risk based LDL-C goal for all achieved within 3 months → Annual review ensures adherence and persistence

“In patients with very high and extreme risk start with a triple oral therapy or oral therapy plus injectable”