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Recomendações da ESC/EAS para a abordagem clínica das dislipidemias: Adenda

Grupo de Trabalho para a abordagem clínica das dislipidemias da European Society of Cardiology (ESC) e da European Atherosclerosis Society (EAS)

Desenvolvido com a contribuição especial da European Association for Cardiovascular Prevention & Rehabilitation[†]

Autores/Membros do Grupo de Trabalho: Željko Reiner* (Presidente ESC) (Croácia), Alberico L. Catapano* (Presidente EAS) (Itália), Guy De Backer (Bélgica), Ian Graham (Irlanda), Marja-Riitta Taskinen (Finlândia), Olov Wiklund (Suécia), Stefan Agewall (Noruega), Eduardo Alegria (Espanha), M. John Chapman (França), Paul Durrington (RU), Serap Erdine (Turquia), Julian Halcox (RU), Richard Hobbs (RU), John Kjekshus (Noruega), Pasquale Perrone Filardi (Itália), Gabriele Riccardi (Itália), Robert F. Storey (RU), David Wood (RU).

Comissões da ESC para as Recomendações Práticas (CRP) 2008-2010 e 2010-2012: Jeroen Bax (Presidente CRP 2010-2012), (Holanda), Alec Vahanian (Presidente CRP 2008-2010) (França), Angelo Auricchio (Suíça), Helmut Baumgartner (Alemanha), Claudio Ceconi (Itália), Veronica Dean (França), Christi Deaton (RU), Robert Fagard (Bélgica), Gerasimos Filippatos (Grécia), Christian Funck-Brentano (França), David Hasdai (Israel), Richard Hobbs (RU), Arno Hoes (Holanda), Peter Kearney (Irlanda), Juhani Knuuti (Finlândia), Philippe Kolh (Bélgica), Theresa McDonagh (RU), Cyril Moulin (França), Don Poldermans (Holanda), Bogdan A. Popescu (Roménia), Željko Reiner (Croácia), Udo Sechtem (Alemanha), Per Anton Sirnes (Noruega), Michal Tendera (Polónia), Adam Torbicki (Polónia), Panos Vardas (Grécia), Petr Widimsky (República Checa), Stephan Windecker (Suíça).

Revisores do Documento: Christian Funck-Brentano (Coordenador da Revisão do CRP) (França), Don Poldermans (Co-Coordenador da Revisão) (Holanda), Guy Berkenboom (Bélgica), Jacqueline De Graaf (Holanda), Olivier Descamps (Bélgica), Nina Gotcheva (Bulgária), Kathryn Griffith (RU), Guido Francesco Guida (Itália), Sadi Gulec (Turquia), Yaakov Henkin (Israel), Kurt Huber (Áustria), Y. Antero Kesaniemi (Finlândia), John Lekakis (Grécia), Athanasios J. Manolis (Grécia), Pedro Marques-Vidal (Suíça), Luis Masana (Espanha), John McMurray (RU), Miguel Mendes (Portugal), Zurab Pagava (Geórgia), Terje Pedersen (Noruega), Eva Prescott (Dinamarca), Quitéria Rato (Portugal), Giuseppe Rosano (Itália), Susana Sans (Espanha), Anton Stalenhoef (Holanda), Lale Tokgozoglu (Turquia), Margus Viigimaa (Estónia), M. E. Wittekoek (Holanda), Jose Luis Zamorano (Espanha).

*Correspondência: Željko Reiner (Presidente ESC), University Hospital Center Zagreb, School of Medicine, University of Zagreb, Salata 2, 10 000 Zagreb, Croatia. Tel: +385 1 492 0019, Fax: +385 1 481 8457, Email: zreiner@kbc-zagreb.hr; Alberico L. Catapano (Presidente EAS), Department of Pharmacological Science, University of Milan, Via Balzarotti, 9, 20133 Milano, Italy. Tel: +39 02 5031 8302, Fax: +39 02 5031 8386, Email: Alberico.Catapano@unimi.it

[†]Outras entidades da ESC que participaram na elaboração deste documento:

Associações: Heart Failure Association.

Grupos de Trabalho: Cardiovascular Pharmacology and Drug Therapy, Hypertension and the Heart, Thrombosis.

Conselhos: Cardiology Practice, Primary Cardiovascular Care, Cardiovascular Imaging.

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Palavras-chave

Dislipidemia • Colesterol • Triglicéridos • Tratamento • Doenças Cardiovasculares • Recomendações

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Adenda I. Tabelas SCORE ajustadas ao colesterol das lipoproteínas de alta densidade

Pressão arterial sistólica (mmHg)	Mulher					Homem														
	Não-fumadora					Fumadora					Não-fumador					Fumador				
	4	5	6	7	8	4	5	6	7	8	4	5	6	7	8	4	5	6	7	8
180	6 6 7 7 8					12 13 13 15 16					9 10 12 14 16					16 18 20 23 27				
	4 5 5 6 6					9 10 10 11 12					6 7 8 10 12					11 13 15 17 20				
	3 4 4 4 5					7 7 8 9 10					5 5 6 7 8					8 9 11 12 15				
	2 3 3 3 4					5 6 6 7 7					3 4 4 5 6					6 6 8 9 11				
	3 3 3 4 4					6 6 7 8 8					6 7 8 9 11					10 2 14 16 19				
160	2 2 3 3 3					4 5 5 6 6					4 5 6 7 8					7 8 10 11 14				
	2 2 2 2 2					3 4 4 4 6					3 3 3 9 9					5 6 7 8 10				
	1 1 2 2 2					3 3 3 3 4					2 2 3 3 4					4 4 5 6 7				
	3 3 4 4 5					6 6 7 8 8					6 7 8 9 11					10 2 14 16 19				
	2 2 2 2 2					3 3 3 3 4					4 4 5 6 7					7 8 9 11 13				
140	1 1 1 1 2					2 2 2 3 3					3 3 4 4 5					5 5 6 8 9				
	1 1 1 1 1					2 2 2 3 3					2 2 3 3 4					3 4 5 6 7				
	1 1 1 1 1					1 2 2 2 2					1 2 2 2 3					2 3 3 4 5				
	2 2 2 3 3					3 3 4 4 5					4 4 5 6 7					7 8 9 11 13				
	1 1 1 1 1					2 3 3 3 4					3 3 4 4 5					5 5 6 8 9				
120	0 0 1 1 1					1 1 1 1 1					2 3 3 4 5					4 5 6 7 9				
	0 0 0 0 0					1 2 2 2 2					2 2 2 3 4					3 4 4 5 6				
	1 1 1 1 1					1 1 1 1 2					1 1 2 2 3					2 3 3 4 5				
	1 1 1 1 1					1 1 1 1 1					1 1 1 1 2					2 2 2 3 3				
	0 0 0 0 0					0 0 0 0 0					0 0 0 0 1					1 2 2 2 3				
180	0 0 0 0 0					0 0 0 0 0					1 1 1 1 2					1 2 2 2 3				
	0 0 0 0 0					0 0 0 0 0					1 1 1 1 1					1 1 1 2 2				
	0 0 0 0 0					0 0 0 0 0					0 0 1 1 1					1 1 1 1 1				
	0 0 0 0 0					0 0 0 0 0					0 0 0 0 1					0 1 1 1 1				
	0 0 0 0 0					0 0 0 0 0					0 0 0 0 1					0 1 1 1 1				

Tabela SCORE para uso em regiões de Baixo Risco – HDL 0,8 mmol/L

		Mulher					Homem																
		Não-fumadora		Fumadora					Não-fumador		Fumador												
							Idade																
Pressão arterial sistólica (mmHg)	180	5	5	6	6	7	10	11	12	12	13	65	8	9	11	12	14	14	16	18	21	24	
	160	4	4	4	5	5	7	8	9	9	10	6	7	8	9	10	10	12	13	15	8		
	140	3	3	3	4	4	6	6	7	7	8	4	5	5	6	7	7	8	10	11	13		
	120	2	2	2	3	3	4	5	5	6	6	3	3	4	4	5	5	6	7	8	9		
	180	2	3	3	3	3	5	5	6	6	7	60	5	6	7	8	10	9	11	12	14	17	
	160	2	2	2	2	3	4	4	4	5	5	4	4	5	6	7	7	8	9	10	12		
	140	1	1	2	2	2	3	3	3	4	4	3	3	4	4	5	5	5	6	7	9		
	120	1	1	1	1	2	2	2	3	3	3	2	2	3	3	3	3	4	4	5	6		
	180	1	1	2	2	2	3	3	3	3	4	55	3	4	5	5	6	6	7	8	9	11	
	160	1	1	1	1	2	2	2	2	3	3	2	3	3	4	5	4	5	6	7	8		
	140	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	4	5	6		
	120	1	1	1	1	1	1	1	1	2	2	1	1	2	2	2	2	2	3	3	4		
	180	1	1	1	1	1	2	2	2	2	2	50	2	3	3	4	4	4	5	5	6	8	
	160	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	4	5	6		
	140	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	4		
	120	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	3		
	180	0	0	0	0	0	0	0	0	0	0	40	1	1	1	1	1	1	1	2	2	2	
	160	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2		
	140	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1		
	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1		
		4	5	6	7	8	4	5	6	7	8			4	5	6	7	8	4	5	6	7	8
		Coolesterol (mmol/L)																					

Tabela SCORE para uso em regiões de Baixo Risco – HDL 1,0 mmol/L

		Mulher					Homem															
		Não-fumadora					Fumadora					Não-fumador					Fumador					
												Idade										
Pressão arterial sistólica (mmHg)	180	3	4	4	4	5	7	7	8	8	9	7	8	9	10	12	12	14	15	17	20	
	160	2	3	3	3	3	5	6	6	6	7	5	6	6	7	8	9	10	11	13	14	
	140	2	2	2	2	3	4	4	5	5	5	4	4	4	5	6	6	7	8	9	10	
	120	1	2	2	2	2	3	3	3	4	4	2	3	3	4	4	4	5	6	6	7	
	180	2	2	2	2	2	3	4	4	4	5	5	5	6	7	8	9	9	10	12	13	
	160	1	1	1	2	2	3	3	3	3	4	3	4	4	5	5	6	6	7	8	10	
	140	1	1	1	1	1	2	2	2	2	3	2	3	3	3	4	4	4	5	6	7	
	120	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	4	4	5	
	180	1	1	1	1	1	2	2	2	2	3	3	3	4	4	5	5	6	7	8	9	
	160	1	1	1	1	1	1	1	2	2	2	2	2	3	3	4	3	4	5	5	6	
	140	0	1	1	1	1	1	1	1	1	2	1	2	2	2	3	2	3	3	4	5	
	120	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	
	180	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	4	4	5	6	
	160	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	4	4	
	140	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	
	120	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	
	180	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	
	160	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	
	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	
	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
			4	5	6	7	8	4	5	6	7	8	4	5	6	7	8	4	5	6	7	8
			Colesterol (mmol/L)																			

Tabela SCORE para uso em regiões de Baixo Risco – HDL 1,4 mmol/L

		Mulher					Homem														
		Não-fumadora			Fumadora		Idade														
							Não-fumador		Fumador												
Pressão arterial sistólica (mmHg)	180	2	2	3	3	3	5	5	6	6	6	6	7	8	9	10	11	12	13	15	17
	160	2	2	2	2	2	4	4	4	4	5	4	5	5	6	7	8	8	9	11	12
	140	1	1	2	2	2	3	3	3	3	4	3	3	4	4	5	5	6	7	7	9
	120	1	1	1	1	1	2	2	2	3	3	2	2	3	3	3	4	4	5	5	6
	180	1	1	1	1	2	2	3	3	3	3	4	4	5	5	6	7	8	9	10	11
	160	1	1	1	1	1	2	2	2	2	2	3	3	3	4	4	5	5	6	7	8
	140	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	4	4	5	6
120	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	4	
180	1	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	5	5	6	7	
160	0	0	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	4	4	5	
140	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	4	
120	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	
180	0	0	0	0	1	1	1	1	1	1	2	2	2	2	3	3	3	4	4	5	
160	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	
140	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	
120	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	
180	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	
160	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	
140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
		4	5	6	7	8	4	5	6	7	8	4	5	6	7	8	4	5	6	7	8
		Coolesterol (mmol/L)																			

Tabela SCORE para uso em regiões de Baixo Risco – HDL 1,8 mmol/L

		Mulher					Homem															
		Não-fumadora		Fumadora					Não-fumador		Fumador											
Pressão arterial sistólica (mmHg)	Idade																					
		180	11	12	13	15	16	22	24	26	28	31	16	18	21	24	28	26	30	34	39	45
		160	9	9	10	12	13	17	19	20	22	25	11	13	15	18	21	19	22	25	29	34
		140	7	7	8	9	10	13	14	16	18	19	8	9	11	13	15	14	16	19	22	26
		120	5	6	6	7	8	10	11	12	14	15	6	7	8	9	11	10	12	14	16	19
		180	5	6	6	7	8	11	12	13	14	16	11	13	15	18	21	19	22	25	30	35
		160	4	4	5	6	6	8	9	10	11	12	8	9	11	13	15	14	16	19	22	26
		140	3	3	4	4	5	6	7	8	9	10	6	7	8	9	11	10	12	14	16	19
		120	2	3	3	3	4	5	5	6	7	7	4	5	6	7	8	7	8	10	12	14
		180	3	3	4	4	5	6	7	8	8	9	7	9	10	12	15	13	15	18	21	25
160	2	3	3	3	4	5	5	6	6	7	5	6	7	9	11	9	11	13	15	19		
140	2	2	2	2	3	4	4	4	5	6	4	4	5	6	8	7	8	9	11	14		
120	1	2	2	2	2	3	3	3	4	4	3	3	4	5	6	5	6	7	8	10		
180	1	2	2	2	2	3	3	3	4	4	5	5	7	8	9	8	10	12	14	17		
160	1	1	1	2	2	2	2	3	3	3	3	4	5	6	7	6	7	8	10	12		
140	1	1	1	1	1	2	2	2	2	3	2	3	3	4	5	4	5	6	7	9		
120	1	1	1	1	1	1	1	2	2	2	2	2	2	3	4	3	4	4	5	6		
180	0	0	1	1	1	1	1	1	1	1	1	2	2	2	3	2	3	3	3	5		
160	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3		
140	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2		
120	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	2		
		4	5	6	7	8	4	5	6	7	8	4	5	6	7	8	4	5	6	7	8	
												Coolesterol (mmol/L)										

Tabela SCORE para uso em regiões de Alto Risco – HDL 0,8 mmol/L

		Mulher					Homem															
		Não-fumadora		Fumadora			Não-fumador		Fumador													
Pressão arterial sistólica (mmHg)	Idade																					
	65	180	9	10	11	12	14	19	20	22	24	26	14	16	19	22	25	24	27	31	35	41
		160	7	8	9	10	11	14	16	17	19	20	10	12	13	16	18	18	20	23	27	31
		140	5	6	7	7	8	11	12	13	15	16	7	8	10	11	13	13	14	17	20	23
		120	4	5	5	6	7	8	9	10	11	13	5	6	7	8	10	9	10	12	14	17
	60	180	4	5	5	6	7	9	10	11	12	13	10	12	13	16	19	17	20	23	27	31
		160	3	4	4	5	5	7	7	8	9	10	7	8	10	11	14	12	14	17	20	23
		140	3	3	3	3	4	5	6	6	7	8	5	6	7	8	10	9	10	12	14	17
		120	2	2	2	3	3	4	4	5	5	6	4	4	5	6	7	6	7	9	10	13
	55	180	3	3	3	3	4	5	6	6	7	8	6	8	9	11	13	11	13	16	19	22
	160	2	2	2	3	3	4	4	5	5	6	5	5	6	8	9	8	10	11	14	16	
	140	1	2	2	2	2	3	3	4	4	5	3	4	5	6	7	6	7	8	10	12	
	120	1	1	1	2	2	2	3	3	3	3	2	3	3	4	5	4	5	6	7	9	
50	180	1	1	1	2	2	2	2	3	3	4	4	5	6	7	8	7	9	10	12	15	
	160	1	1	1	1	1	2	2	2	2	3	3	3	4	5	6	5	6	7	9	11	
	140	1	1	1	1	1	2	2	2	2	2	2	2	3	4	4	4	4	5	6	8	
	120	0	1	1	1	1	1	1	2	2	2	1	2	2	3	3	3	3	4	5	6	
40	180	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	3	3	4	4	
	160	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	3	3	
	140	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	
	120	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	2	
		4 5 6 7 8		4 5 6 7 8			4 5 6 7 8		4 5 6 7 8													
		Coolesterol (mmol/L)																				

Tabela SCORE para uso em regiões de Alto Risco – HDL 1,0 mmol/L

		Mulher					Homem																
		Não-fumadora		Fumadora					Não-fumador		Fumador												
Pressão arterial sistólica (mmHg)	180	65	7	7	8	8	9	13	14	15	17	18	12	14	15	18	20	21	23	26	29	34	
			160	5	5	6	6	7	10	11	12	13	14	9	10	11	13	15	15	17	19	22	25
			140	4	4	4	5	6	8	8	9	10	11	6	7	8	9	11	11	12	14	16	18
			120	3	3	3	4	4	6	6	7	8	9	4	5	6	7	8	7	9	10	11	13
	60	180	3	3	4	4	4	6	7	7	8	9	8	9	11	13	15	14	16	19	22	25	
		160	2	2	3	3	3	5	5	6	6	7	6	7	8	9	11	10	12	14	16	18	
		140	2	2	2	2	3	4	4	4	5	5	4	5	6	6	8	7	8	10	11	13	
		120	1	1	2	2	2	3	3	3	4	4	3	3	4	5	6	5	6	7	8	10	
	55	180	2	2	2	2	3	4	4	4	5	5	5	6	7	8	10	9	11	12	15	17	
		160	1	1	2	2	2	3	3	3	4	4	4	4	5	6	7	6	8	9	11	13	
		140	1	1	1	1	1	2	2	2	3	3	3	3	4	4	5	5	5	6	8	9	
		120	1	1	1	1	1	2	2	2	2	2	2	2	3	3	4	3	4	5	6	7	
	50	180	1	1	1	1	1	1	2	2	2	2	3	4	5	5	6	6	7	8	10	11	
		160	1	1	1	1	1	1	1	1	2	2	2	3	3	4	5	4	5	6	7	8	
		140	0	0	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3	4	5	6	
		120	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	3	4	4	
	40	180	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	3	3	
		160	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	
		140	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	
		120	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	
			4	5	6	7	8	4	5	6	7	8	4	5	6	7	8	4	5	6	7	8	
			Coolesterol (mmol/L)																				

Tabela SCORE para uso em regiões de Alto Risco – HDL 1,4 mmol/L

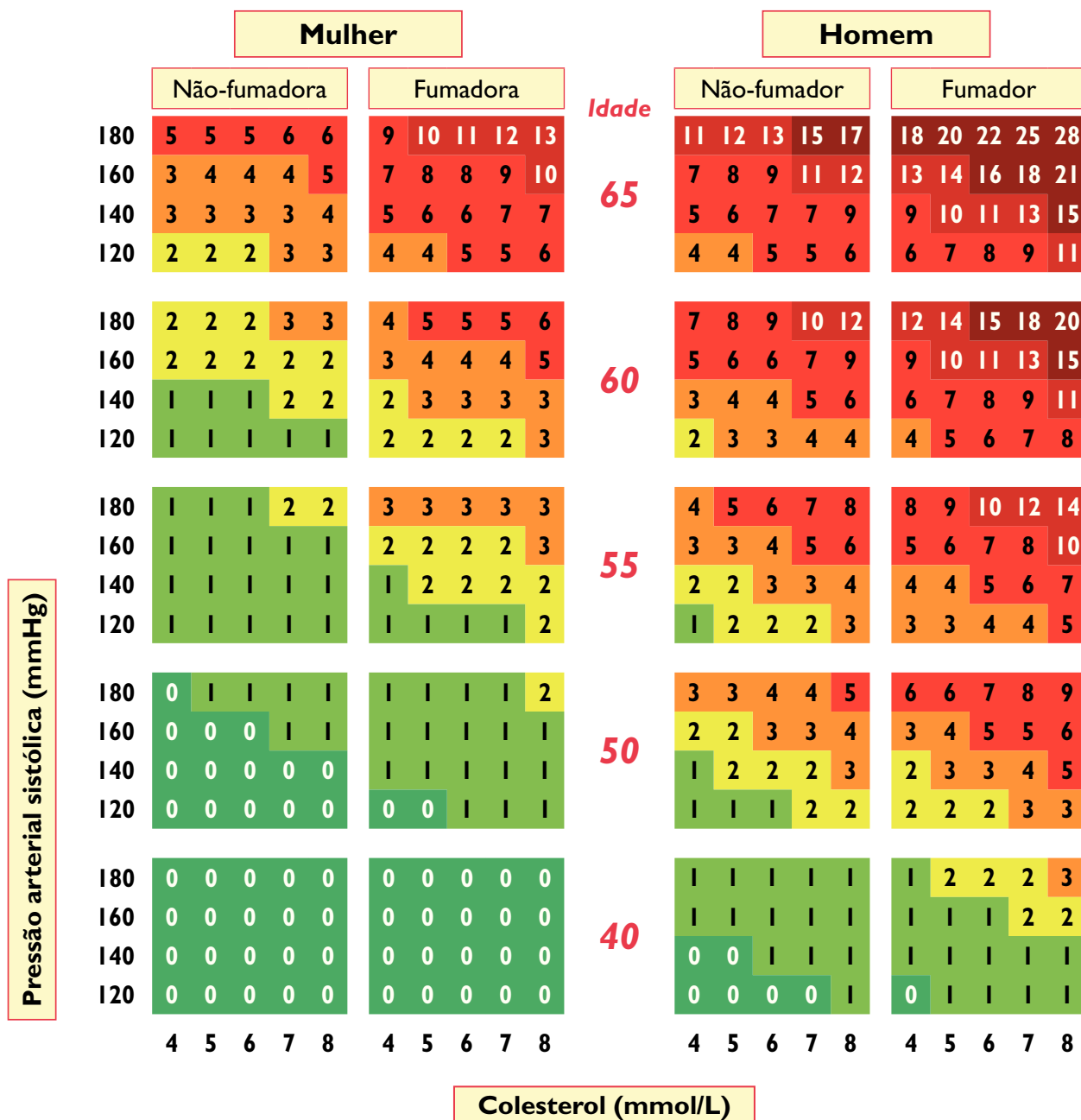


Tabela SCORE para uso em regiões de Alto Risco – HDL 1,8 mmol/L

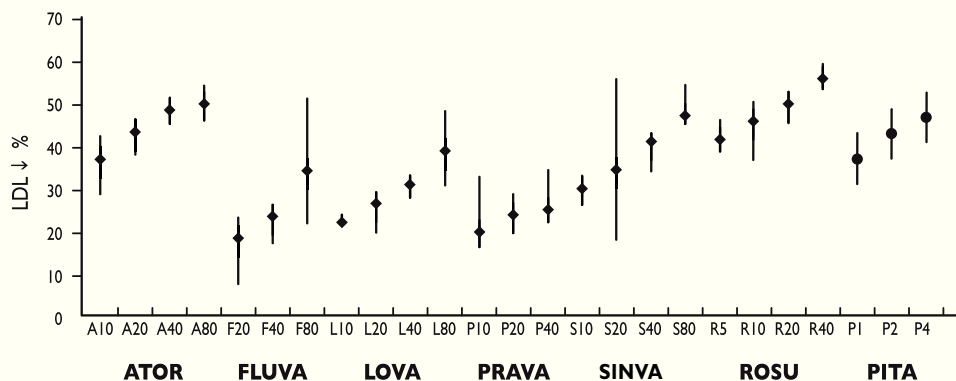
Adenda II. Abordagem prática para atingir os alvos terapêuticos para as lipoproteínas de baixa densidade

A abordagem proposta requer uma avaliação da distância em relação ao alvo, que pode obter-se facilmente através da utilização da tabela abaixo. Uma vez determinada a distância em relação ao alvo, a resposta média a uma estatina pode ser determinada por interpolação e os medicamentos que podem ajudar a atingir esse alvo podem ser identificados na figura seguinte.

A intolerância a uma estatina, o estado de saúde do doente e possíveis interações com medicamentos concomitantes também devem ser tidos em conta.

Tabela Redução percentual do C-LDL necessária para atingir objetivos em função do valor inicial

C-LDL INICIAL		% DE REDUÇÃO PARA ATINGIR O C-LDL		
mmol/L	~mg/dL	<1,8 mmol/L (~70 mg/dL)	<2,5 mmol/L (~100 mg/dL)	<3 mmol/L (~115 mg/dL)
>6,2	>240	>70	>60	>55
5,2-6,2	200-240	65-70	50-60	40-55
4,4-5,2	170-200	60-65	40-50	30-45
3,9-4,4	150-170	55-60	35-40	25-30
3,4-3,9	130-150	45-55	25-35	10-25
2,9-3,4	110-130	35-45	10-25	<10
2,3-2,9	90-110	22-35	<10	—
1,8-2,3	70-90	<22	—	—



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Figura 1 Revisão sistemática e meta-análise da equivalência terapêutica das estatinas.

Adenda III. Inibidores e indutores de vias enzimáticas envolvidas no metabolismo das estatinas

Para mais informações, consultar o *website* da FDA (Food and Drug Administration) dos EUA, que contém informações para profissionais de saúde (medicamentos): www.fda.gov/Drugs/ResourcesForYou/HealthProfessionals/default.htm

Substratos CYP	Inibidores	Indutores
CYP3A4 Atorvastatina, lovastatina, sinvastatina	Cetoconazol, itraconazol, fluconazol, eritromicina, claritromicina, antidepressivos tricíclicos, nefazodona, venlafaxina, fluvoxamina, fluoxetina, sertralina, ciclosporina A, tacrolimus, mibefradil, amiodarona, danazol, diltiazem, verapamil, inibidores de protease, midazolam, corticosteróides, sumo de toranja, tamoxifeno	Fenitoína, fenobarbital, barbitúricos, rifampicina, dexametasona, ciclofosfamida, carbamazepina, omeprazol, hipericão
CYP2C9 Fluvastatina, rosuvastatina, pitavastatina	Cetoconazol, fluconazol, amiodarona, sulfafenazol, oxandrolona, dronedarona, warfarina	Rifampicina, fenobarbital, fenitoína
Substratos da proteína de transporte	Inibidores	Indutores
MDR/P-gp Atorvastatina, lovastatina, pravastatina, sinvastatina, pitavastatina	Ritonavir, ciclosporina, verapamil, eritromicina, cetoconazol, itraconazol, quinidina, elacridar	Rifampicina, hipericão
OATP1B1 Todas as estatinas	Ciclosporina, rifampicina, gemfibrozil, gemfibrozil-O-glucuronido, claritromicina, eritromicina, roxitromicina, telitromicina, indinavir, ritonavir, saquinavir	
Substratos UGT	Inibidores	Indutores
Atorvastatina, lovastatina, pravastatina, simvastatina	Gemfibrozil, ciclosporina	Rifampicina

Adenda IV. Referências adicionais

Referências adicionais às que estão listadas no documento do texto integral das Recomendações da ESC/EAS sobre a abordagem clínica das dislipidemias.

Estas referências estão listadas por secção.

1. Preâmbulo

2. Introdução

Sem referências adicionais

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