Clinical trials of cholesterol lowering intervention for cardiovascular prevention in patients with LDL elevation and without CHD

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1 diet

Trial	Treatments	Patients	Trials design and methods
diet vs usual diet			
Finnish Mental Hospital (Miettinen) , 1985 n=612/610 follow-up: 6.0 years	cholesterol-lowering diet (low in saturated fats and cholesterol and relatively high in polyunsaturated fats) versus usual diet	middle-aged institionalized women without CHD	Cluster-randomized cross-ove open, blind assessment Finland
Goteborg , 1986 n=10004/20028 follow-up: 10 years	multifactorial intervention programme versus no intervention	men, 47-55 years old at entry	Parallel groups open Sweden
Hjermann , 1981 n=604/628 follow-up: 6.5 years	diet versus usual diet	healthy, normotensive men at high risk of coronary heart disease	Parallel groups open Sweden
MRFIT , 1982 n=6428/6438 follow-up: 6.5 y	multifactor intervention program versus usual diet	high-risk men aged 35 to 57 years	Parallel groups open
Veterans Ad. (Dayton) , 1969 n=424/422 follow-up: 3.6 and 8 y	cholesterol lowering diet versus usual diet	men in domicilary care, age>55, with or without CHD	Parallel groups double blind USA
WHO Collaborative , 1986 n=30489/26971 follow-up: 5.5 years	multifactorial prevention versus usual diet	middle-aged men	Parallel groups open Belgium, Italy, Poland, UK

References

Finnish Mental Hospital (Miettinen), 1985:

European collaborative trial of multifactorial prevention of coronary heart disease: final report on the 6-year results. World Health Organisation European Collaborative Group. Lancet 1986;1:869-72 [2870351]

Miettinen TA, Huttunen JK, Naukkarinen V, Strandberg T, Mattila S, Kumlin T, Sarna S Multifactorial primary prevention of cardiovascular diseases in middle-aged men. Risk factor changes, incidence, and mortality. JAMA 1985;254:2097-102 [4046137]

Miettinen M, Turpeinen O, Karvonen MJ, Pekkarinen M, Paavilainen E, Elosuo R Dietary prevention of coronary heart disease in women: the Finnish mental hospital study. Int J Epidemiol 1983;12:17-25 [6840954]

Goteborg, 1986:

Wilhelmsen L, Berglund G, Elmfeldt D, Tibblin G, Wedel H, Pennert K, Vedin A, Wilhelmsson C, Werk L The multifactor primary prevention trial in Gteborg, Sweden. Eur Heart J 1986;7:279-88 [3720755]

Hjermann, 1981:

Hjermann I, Velve Byre K, Holme I, Leren P Effect of diet and smoking intervention on the incidence of coronary heart disease. Report from the Oslo Study Group of a randomised trial in healthy men. Lancet 1981;2:1303-10 [6118715]

MRFIT, 1982:

Multiple risk factor intervention trial. Risk factor changes and mortality results. Multiple Risk Factor Intervention Trial Research Group. JAMA 1982;248:1465-77 [7050440]

Veterans Ad. (Dayton), 1969:

Dayton S, Pearce ML, Hashimoto S, Dixon WJ, Tomiyasu U. A controlled clinical trial of a diet high in unsaturated fat in preventing complications of atherosclerosis. Circulation 1969; 40(supp 2):1-55 [0]

WHO Collaborative, 1986:

European collaborative trial of multifactorial prevention of coronary heart disease: final report on the 6-year results. World Health Organisation European Collaborative Group. Lancet 1986;1:869-72 [2870351]

2 fibrates

Trial	Treatments	Patients	Trials design and methods
clofibrate vs placebo			
Cullen , 1974 n=20/20 follow-up: 2 years	clofibrate versus placebo		Parallel groups
WHO clofibrate , 1978 n=5331/5296 follow-up: 5.3 years	clofibrate 1.6 g daily versus olive oil	primary prevention, Hommes, de 30 59 ans	Parallel groups double blind Scotland, Hungary, Czech Republic
gemfibrozil vs placebo			
Helsinki (HHS) , 1987 n=2046/2035 follow-up: 5 years	gemfibrozil 1,2 g/d versus placebo	asymptomatic middle-aged men (40 to 55 years of age) with primary dyslipidemia (non-HDL cholesterol greater than or equal to 200 mg per deciliter [5.2 mmol per liter]	Parallel groups double blind Finland

References

Cullen, 1974:

WHO clofibrate, 1978:

, WHO cooperative trial on primary prevention of ischaemic heart disease with clofibrate to lower serum cholesterol: final mortality follow-up. Report of the Committee of Principal Investigators. Lancet 1984; 2:600-4 [6147641]

Heady JA, Morris JN, Oliver MF, WHO clofibrate/cholesterol trial: clarifications. Lancet 1992; 340:1405-6 [1360101]

Helsinki (HHS), 1987:

Manninen V, Elo MO, Frick MH, Haapa K, Heinonen OP, Heinsalmi P, Helo P, Huttunen JK, Kaitaniemi P, Koskinen P, et al, Lipid alterations and decline in the incidence of coronary heart disease in the Helsinki Heart Study. JAMA 1988; 260:641-51 [3164788]

Frick MH, Elo O, Haapa K, Heinonen OP, Heinsalmi P, Helo P, Huttunen JK, Kaitaniemi P, Koskinen P, Manninen V Helsinki Heart Study: primary-prevention trial with gemfibrozil in middle-aged men with dyslipidemia. Safety of treatment, changes in risk factors, and incidence of coronary heart disease. N Engl J Med 1987;317:1237-45 [3313041]

3 inhibitor of lipoprotein-associated phospholipase

Trial	Treatments	Patients	Trials design and methods
darapladib vs placebo			
SOLID-TIMI 52 [NCT01000727] n=NA follow-up:	-	-	

References

SOLID-TIMI 52, :

O'Donoghue ML, Braunwald E, White HD, Steen DP, Lukas MA, Tarka E, Steg PG, Hochman JS, Bode C, Maggioni AP, Im K, Shannon JB, Davies RY, Murphy SA, Crugnale SE, Wiviott SD, Bonaca MP, Watson DF, Weaver WD, Serruys PW, Cannon CP Effect of Darapladib on Major Coronary Events After an Acute Coronary Syndrome: The SOLID-TIMI 52 Randomized Clinical Trial. JAMA 2014 Aug 31;: [25173516] 10.1001/jama.2014.11061

4 Probucol

Trial	Treatments	Patients	Trials design and methods
probucol vs control			
FATS Fukosawa (probucol) , 2002 n=82/81 follow-up: 2 years	probucol 500 mg/day versus diet alone	asymptomatic patients with hypercholesterolemia	Parallel groups open Japan

References

FATS Fukosawa (probucol), 2002:

Sawayama Y, Shimizu C, Maeda N, Tatsukawa M, Kinukawa N, Koyanagi S, Kashiwagi S, Hayashi J Effects of probucol and pravastatin on common carotid atherosclerosis in patients with asymptomatic hypercholesterolemia. Fukuoka Atherosclerosis Trial (FAST). J Am Coll Cardiol 2002 Feb 20;39:610-6 [11849859]

5 resins

Trial	Treatments	Patients	Trials design and methods
cholestyramine vs placebo			

continued...

Trial	Treatments	Patients	Trials design and methods
LRC , 1984 n=1906/1900 follow-up: 7.4 years	cholestyramine 24 g daily versus placebo	asymptomatic middle-aged men with primary hypercholesterolemia (type II hyperlipoproteinemia)	Parallel groups double blind USA
colestipol vs placebo			
Gundersen , 1976 n=36/30 follow-up: 0.8 years	colestipol 10g twice daily versus placebo	hypercholesterolemic patients	Parallel groups double-blind
Ruoff , 1978 n=21/19 follow-up: 3.2 years	colestipol versus placebo	hypercholesterolemic patients	Parallel groups
Ryan , 1974 n=44/48 follow-up: 3.0 years	colestipol15 g/day versus placebo	patients with hypercholesterolemia	Parallel groups
UCS (Dorr) , 1978 n=1149/1129 follow-up: 1.9 years	colestipol hydrochloride 32 mg/dl versus placebo	Hommes et femmes, >18 ans	Parallel groups double blind

References

LRC, 1984:

, The Lipid Research Clinics Coronary Primary Prevention Trial results. I. Reduction in incidence of coronary heart disease. JAMA 1984; 251:351-64 [6361299]

Gundersen, 1976:

Gundersen K, Cooper EE, Ruoff G, Nikolai T, Assenzo JR Cholesterol-lowering effect of colestipol hydrochloride given twice daily in hypercholesterolemic patients. Atherosclerosis 1976;25:303-10 [795441]

Ruoff, 1978:

Ruoff G Colestipol hydrochloride for treatment of hypercholesterolemia in a family practice: five-year study. J Am Geriatr Soc 1978;26:121-6 [624819]

Ryan, 1974:

Ryan JR, Jain AK, McMahon FG Long-term treatment of hypercholesterolemia with colestipol hydrochloride. Clin Pharmacol Ther 1975;17:83-7 [1091391]

UCS (Dorr), 1978:

Dorr AE, Gundersen K, Schneider JC Jr, Spencer TW, Martin WB, Colestipol hydrochloride in hypercholesterolemic patients–effect on serum cholesterol and mortality. J Chronic Dis 1978; 31:5-14 [346598]

6 statins

Trial	Treatments	Patients	Trials design and methods
any statin vs no statin			
Sakamoto , 2006 n=241/245 follow-up: up to 24 months	any available statin versus no statin	Japanese patients with AMI within 96 hours of AMI onset	Parallel groups open Japan

continued...

Trial	Treatments	Patients	Trials design and methods
atorvastatin vs placebo			
MIRACL , 2001 n=1538/1548 follow-up: 1 and 4 months	Atorvastatin, 80 mg (early initiation) versus Placebo	unstable angina or nonQ-wave acute MI	Parallel groups Double blind Europe, North America, South Africa, and Australasia
macin , 2005 n=NA follow-up: 30 days	atorvastatin 40 mg daily for 30 days versus placebo	patients admitted within 48 hours of onset of ACS with CRP levels >or =1.4 mg/dL	Parallel groups double-blind
fluvastatin vs placebo			
LIPS (sub groups) , 2002 n=417/407 follow-up: 1, 4, and 6 months	Fluvastatin, 80 mg versus Placebo	patients with unstable angina and successful first percutaneous coronary intervention	Parallel groups double blind Europe, Canada, and Brazil
FLORIDA , 2002 n=265/275 follow-up: 1, 4, and 6 months	Fluvastatin, 80 mg (early initiation) versus Placebo	patients with an AMI and total cholesterol of <6.5 mmol.l	Parallel groups double blind The Netherlands
Czech trial *ongoing* [NCT00171275] n=NA follow-up: 52 weeks	fluvastatin versus placebo	-	Parallel groups double blind
lovastatin vs placebo			
AFCAPS/TexCAPS , 1998 n=3304/3301 follow-up: 5.2 years	lovastatin 20-40 mg/d versus placebo	men and women without clinically evident atherosclerotic cardiovascular disease with average total cholesterol (TC) and LDL-C levels and below-average high-density lipoprotein cholesterol (HDL-C) levels	Parallel groups double blind USA
pravastatin vs placebo			
LAMIL , 1997 n=36/33 follow-up: 1 and 3 months	Pravastatin, 10-20 mg (starting at D3) versus Placebo	patients suffering an acute myocardial infarction	Parallel groups double blind Belgium
RECIFE , 1999 n=30/30 follow-up: 1.5 months	Pravastatin, 40 mg versus Placebo	Patients with acute myocardial infarction or unstable angina and total cholesterol levels at admission >=5.2 mmol/L or LDL >=3.4 mmol/L	Parallel groups double blind Canada
PAIS , 2001 n=50/49 follow-up: 1 and 3 months	Pravastatin, 40 mg (initiated within 48 hours of hospital admission) versus Placebo	patients with acute coronary syndromes	Parallel groups double blind The Netherlands
PACT , 2004 n=1710/1698 follow-up: 1 months	Pravastatin, 20-40 mg within 24 hours of the onset of symptoms in versus Placebo	patients with unstable angina, non-ST-segment elevation myocardial infarction, or ST-segment elevation myocardial infarction within 24 hours of the onset of symptoms	Parallel groups double blind Australia

continued...

Trial	Treatments	Patients	Trials design and methods
WOSCOPS , 1995 n=3302/3293 follow-up: 4.9 years	pravastatine 40 mg daily versus placebo	men aged 45-64 yr with no history of myocardial infarction and with raised plasma cholesterol levels (LDL cholesterol of at least 155 mg/dL, total cholesterol of at least 252 mg/dL)	Parallel groups double blind Scotland
simvastatin vs placebo			
A to Z , 2004 n=2265/2232 follow-up: 1 and 4 months	Simvastatin, 40-80 mg early initiation versus Placebo	patient with an acute coronary syndrome (ACS)	Parallel groups Double aveugle 41 countries
Ren , 2009 n=NA follow-up:	simvastatin (40 mg/d for 4 weeks) versus placebo	patients with unstable angina pectoris	Parallel groups double-blind
atorvastatin vs usual care			
Colivicchi , 2002 n=40/41 follow-up: 1, 3, and 6 months	Atorvastatin, 80 mg daily early initiation versus Usual care	unstable angina pectoris or non-Q-wave myocardial infarction	Parallel groups open Italy
ESTABLISH , 2004 n=35/35 follow-up: 1, 4, and 6 months	Atorvastatin, 20 mg early initiation versus Usual care	patients with ACS undergoing emergency coronary angiography and percutaneous coronary intervention	Parallel groups open Japan
pravastatin vs usual care			
L-CAD , 2000 n=70/56 follow-up: 1, 4, and 6 months	Pravastatin, 20-40 mg (strating on average at D6) versus Usual care	patients with acute coronary syndrome	Parallel groups open Germany
PTT , 2002 n=79/85 follow-up: 1 and 6 months	Pravastatin, 40 mg versus Usual care	patients who underwent coronary balloon angioplasty of the infarct-related artery during the first month of acute myocardial infarction	Parallel groups open Turkey
OACIS-LIPID , 2008 n=176/177 follow-up: 9 months	pravastatin 10 mg/daily versus no pravastatin	patients with AMI who had plasma total cholesterol levels of 200-250 mg/dl and triglyceride levels <300 mg/dl	Parallel groups open
pitavastatin vs atorvastatin			
JAPAN ACS , 2009 [NCT00242944] n=307 follow-up: 8-12 months	pitavastatin 4 mg daily versus atorvastatin 20mg daily	patients with acute coronary syndrome undergoing IVUS-guided percutaneous coronary intervention	Parallel groups open Japan
atorvastatin vs pravastatin			
PROVE IT - TIMI 22 , 2004 n=2099/2063 follow-up: 24 mo (18-36 mo)	80 mg of atorvastatin daily (intensive therapy). versus 40 mg of pravastatin daily (standard therapy)	patients who had been hospitalized for an acute coronary syndrome within the preceding 10 days	Parallel groups double blind UK, US, AUstralia, Italy, France, Germany, Spain, Canada

References

Sakamoto, 2006:

Sakamoto T, Kojima S, Ogawa H, Shimomura H, Kimura K, Ogata Y, Sakaino N, Kitagawa A Effects of early statin treatment on symptomatic heart failure and ischemic events after acute myocardial infarction in Japanese. Am J Cardiol 2006;97:1165-71 [16616020] 10.1016/j.amjcard.2005.11.031

MIRACL, 2001:

Schwartz GG, Olsson AG, Ezekowitz MD, Ganz P, Oliver MF, Waters D, Zeiher A, Chaitman BR, Leslie S, Stern T Effects of atorvastatin on early recurrent ischemic events in acute coronary syndromes: the MIRACL study: a randomized controlled trial. JAMA 2001 Apr 4;285:1711-8 [11277825]

macin, 2005:

Macin SM, Perna ER, Faras EF, Franciosi V, Cialzeta JR, Brizuela M, Medina F, Tajer C, Doval H, Badaracco R Atorvastatin has an important acute anti-inflammatory effect in patients with acute coronary syndrome: results of a randomized, double-blind, placebo-controlled study. Am Heart J 2005;149:451-7 [15864233] 10.1016/j.ahj.2004.07.041

LIPS (sub groups), 2002:

Serruys PW, de Feyter P, Macaya C, Kokott N, Puel J, Vrolix M, Branzi A, Bertolami MC, Jackson G, Strauss B, Meier B Fluvastatin for prevention of cardiac events following successful first percutaneous coronary intervention: a randomized controlled trial. JAMA 2002 Jun 26;287:3215-22 [12076217]

FLORIDA, 2002:

Liem AH, van Boven AJ, Veeger NJ, Withagen AJ, Robles de Medina RM, Tijssen JG, van Veldhuisen DJ Effect of fluvastatin on ischaemia following acute myocardial infarction: a randomized trial. Eur Heart J 2002;23:1931-7 [12473255]

Czech trial, :

AFCAPS/TexCAPS, 1998:

Downs JR, Clearfield M, Weis S, Whitney E, Shapiro DR, Beere PA, Langendorfer A, Stein EA, Kruyer W, Gotto AM Jr, Primary prevention of acute coronary events with lovastatin in men and women with average cholesterol levels: results of AFCAPS/TexCAPS. Air Force/Texas Coronary Atherosclerosis Prevention Study. JAMA 1998; 279:1615-22 [9613910]

Cui Y, Watson DJ, Girman CJ, Shapiro DR, Gotto AM, Hiserote P, Clearfield MB Effects of increasing high-density lipoprotein cholesterol and decreasing low-density lipoprotein cholesterol on the incidence of first acute coronary events (from the Air Force/Texas Coronary Atherosclerosis Prevention Study). Am J Cardiol 2009;104:829-34 [19733719]

LAMIL, 1997:

Kesteloot H, Claeys G, Blanckaert N, Lesaffre E Time course of serum lipids and apolipoproteins after acute myocardial infarction: modification by pravastatin. Acta Cardiol 1997;52:107-16 [9187418]

RECIFE, 1999:

Dupuis J, Tardif JC, Cernacek P, Throux P Cholesterol reduction rapidly improves endothelial function after acute coronary syndromes. The RECIFE (reduction of cholesterol in ischemia and function of the endothelium) trial. Circulation 1999;99:3227-33 [10385495]

PAIS, 2001:

Den Hartog FR, Van Kalmthout PM, Van Loenhout TT, Schaafsma HJ, Rila H, Verheugt FW Pravastatin in acute ischaemic syndromes: results of a randomised placebo-controlled trial. Int J Clin Pract 2001;55:300-4 [11452676]

PACT, 2004:

Thompson PL, Meredith I, Amerena J, et al. Effect of pravastatin compared with placebo initiated within 24 hours of onset of acute myocardial infarction or unstable angina: the Pravastatin in Acute Coronary Treatment (PACT) trial Am Heart J. 2004;148:e2

Thompson PL, Meredith I, Amerena J, Campbell TJ, Sloman JG, Harris PJ Effect of pravastatin compared with placebo initiated within 24 hours of onset of acute myocardial infarction or unstable angina: the Pravastatin in Acute Coronary Treatment (PACT) trial. Am Heart J 2004;148:e2 [15215811]

WOSCOPS, 1995:

Shepherd J, Cobbe SM, Ford I, Isles CG, Lorimer AR, MacFarlane PW, McKillop JH, Packard CJ, Prevention of coronary heart disease with pravastatin in men with hypercholesterolemia. West of Scotland Coronary Prevention Study Group. N Engl J Med 1995; 333:1301-7 [7566020]

A coronary primary prevention study of Scottish men aged 45-64 years: trial design. The West of Scotland Coronary Prevention Study Group. J Clin Epidemiol 1992;45:849-60 [1624967]

A to Z, 2004:

de Lemos JA, Blazing MA, Wiviott SD, Lewis EF, Fox KA, White HD, Rouleau JL, Pedersen TR, Gardner LH, Mukherjee R, Ramsey KE, Palmisano J, Bilheimer DW, Pfeffer MA, Califf RM, Braunwald E Early intensive vs a delayed conservative simvastatin strategy in patients with acute coronary syndromes: phase Z of the A to Z trial. JAMA 2004 Sep 15;292:1307-16 [15337732]

Ren, 2009:

Ren HZ, Ma LL, Wang LX Effect of simvastatin on plasma interleukin-6 in patients with unstable angina. Clin Invest Med 2009;32:E280-4 [19640331]

Colivicchi, 2002:

Colivicchi F, Guido V, Tubaro M, Ammirati F, Montefoschi N, Varveri A, Santini M Effects of atorvastatin 80 mg daily early after onset of unstable angina pectoris or non-Q-wave myocardial infarction. Am J Cardiol 2002;90:872-4 [12372577]

ESTABLISH, 2004:

Okazaki S, Yokoyama T, Miyauchi K, Shimada K, Kurata T, Sato H, Daida H Early statin treatment in patients with acute coronary syndrome: demonstration of the beneficial effect on atherosclerotic lesions by serial volumetric intravascular ultrasound analysis during half a year after coronary event: the ESTABLISH Study. Circulation 2004;110:1061-8 [15326073]

L-CAD, 2000:

Arntz HR, Agrawal R, Wunderlich W, Schnitzer L, Stern R, Fischer F, Schultheiss HP Beneficial effects of pravastatin (+/-colestyramine/niacin) initiated immediately after a coronary event (the randomized Lipid-Coronary Artery Disease [L-CAD] Study). Am J Cardiol 2000;86:1293-8 [11113401]

PTT, 2002:

Kayikioglu M, Can L, Kltrsay H, Payzin S, Turkoglu C Early use of pravastatin in patients with acute myocardial infarction undergoing coronary angioplasty. Acta Cardiol 2002;57:295-302 [12222700]

OACIS-LIPID, 2008:

Sato H, Kinjo K, Ito H, Hirayama A, Nanto S, Fukunami M, Nishino M, Lim YJ, Kijima Y, Koretsune Y, Nakatani D, Mizuno H, Shimizu M, Hori M Effect of early use of low-dose pravastatin on major adverse cardiac events in patients with acute myocardial infarction: the OACIS-LIPID Study. Circ J 2008;72:17-22 [18159093]

JAPAN ACS, 2009:

Hiro T, Kimura T, Morimoto T, Miyauchi K, Nakagawa Y, Yamagishi M, Ozaki Y, Kimura K, Saito S, Yamaguchi T, Daida H, Matsuzaki M Effect of intensive statin therapy on regression of coronary atherosclerosis in patients with acute coronary syndrome: a multicenter randomized trial evaluated by volumetric intravascular ultrasound using pitavastatin versus atorvastatin (JAPAN-ACS [Japan assessment of pitavastatin and atorvastatin in acute coronary syndrome] study). J Am Coll Cardiol 2009 Jul 21;54:293-302 [19608026] 10.1016/j.jacc.2009.04.033

PROVE IT - TIMI 22, 2004:

Cannon CP, Braunwald E, McCabe CH, Rader DJ, Rouleau JL, Belder R, Joyal SV, Hill KA, Pfeffer MA, Skene AM Intensive versus moderate lipid lowering with statins after acute coronary syndromes. N Engl J Med 2004 Apr 8;350:1495-504 [15007110]

Rouleau J Improved outcome after acute coronary syndromes with an intensive versus standard lipid-lowering regimen: results from the Pravastatin or Atorvastatin Evaluation and Infection Therapy-Thrombolysis in Myocardial Infarction 22 (PROVE IT-TIMI 22) trial. Am J Med 2005 Dec;118 Suppl 12A:28-35 [16356805]

Murphy SA, Cannon CP, Wiviott SD, de Lemos JA, Blazing MA, McCabe CH, Califf RM, Braunwald E Effect of intensive lipid-lowering therapy on mortality after acute coronary syndrome (a patient-level analysis of the Aggrastat to Zocor and Pravastatin or Atorvastatin Evaluation and Infection Therapy-Thrombolysis in Myocardial Infarction 22 trials). Am J Cardiol 2007 Oct 1;100:1047-51 [17884359]

Ray KK, Cannon CP, McCabe CH, Cairns R, Tonkin AM, Sacks FM, Jackson G, Braunwald E Early and late benefits of high-dose atorvastatin in patients with acute coronary syndromes: results from the PROVE IT-TIMI 22 trial. J Am Coll Cardiol 2005 Oct 18;46:1405-10 [16226162]

Giraldez RR, Giugliano RP, Mohanavelu S, Murphy SA, McCabe CH, Cannon CP, Braunwald E Baseline low-density lipoprotein cholesterol is an important predictor of the benefit of intensive lipid-lowering therapy: a PROVE IT-TIMI 22 (Pravastatin or Atorvastatin Evaluation and Infection Therapy-Thrombolysis In Myocardial Infarction 22) analysis. J Am

Coll Cardiol 2008 Sep 9;52:914-20 [18772061]

7 About TrialResults-center.org

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