

Clinical trials of beta carotene

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1 cardiovascular prevention

| Trial | Treatments | Patients | Trials design and methods |
|---|--|--|---|
| beta carotene vs placebo | | | |
| ATBC 2nd prev subgroup (b carotene) , 1998 n=876/919 follow-up: 3.79 y | synthetic beta carotene 20 mg daily versus placebo | patients enrolled in the ATBC trial and who had angina pectoris in the Rose chest pain questionnaire at baseline | Factorial plan double-blind Finland |
| ATBC beta carotene , 1994 n=14560/14573 follow-up: 6.1 median (range 5-8y) | beta carotene 20mg four times daily versus placebo | male smokers 50 to 69 years of age from southwestern Finland | Factorial plan double-blind Southwestern Finland |
| CARET beta carotene , 1996 n=9420/8894 follow-up: 4 y | combination of 30 mg of beta carotene per day and 25,000 IU of retinol (vitamin A) in the form of retinyl palmitate per day versus placebo | smokers, former smokers, and workers exposed to asbestos | Parallel groups double-blind USA |
| NSCP (Green) beta carotene , 1999 n=820/801 follow-up: 4.5 y | beta carotene 30mg four times daily versus placebo | residents of Nambour | Factorial plan double-blind Queensland, Australia |
| PHS beta carotene , 1996 n=11036/1035 follow-up: 12 y | beta carotene 50 mg on alternate days versus placebo | male physicians, 40 to 84 years of age with no history of cancer (except nonmelanoma skin cancer), myocardial infarction, stroke, or transient cerebral ischemia | Factorial plan double-blind USA |
| SCP beta carotene , 1990 n=913/892 follow-up: 4.02 years | beta carotene 50mg four times daily versus placebo | Age <85 years (most <65 years); previous non-melanoma skin cancer; 69% male | Parallel groups double-blind USA |
| WACS beta-caroten , 2007 [NCT00000541] n=4084/4087 follow-up: 9.4 years | beta carotene (Lurotin) 50 mg every two days versus placebo | female health professionals at increased risk (40 years or older with a history of CVD or 3 or more CVD risk factors) | Factorial plan double blind |

continued...

| Trial | Treatments | Patients | Trials design and methods |
|---|--|--|---------------------------------------|
| WHS beta carotene , 1999 [NCT00000479] n=19939/19937 follow-up: 2.1y (range 0 - 2.72y) | beta carotene 50mg four times daily versus placebo | female health professionals, aged 45 years or older and without a history of cancer (except nonmelanoma skin cancer), coronary heart disease, or cerebrovascular disease | Factorial plan double-blind USA |

More details and results :

- antioxidants for cardiovascular prevention in all type of patients at <http://www.trialresultscenter.org/go-Q131>
- antioxidants for cardiovascular prevention in primary prevention at <http://www.trialresultscenter.org/go-Q433>
- antioxidants for cardiovascular prevention in secondary prevention at <http://www.trialresultscenter.org/go-Q434>

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