# Supplements for High Blood Pressure

Chelated Magnesium 500-1000mg/day Zinc 50mg/day High Protein intake 1-1.5g/kg/day (Non animal better than animal; cured meat increases BP) Soy Protein 40g/day lowers BP and Cholesterol Sardine Muscle 3g drops bo 9.7/5.3 Potassium/Sodium ratio 3.3/1 (5gK+ to 1.5gNa+) Hydrolyzed Whey Protein 20-30g/day Milk Protein Val-Pro-Pro and Ile-Pro-Pro Extracts of VPP or IPP at 5-60mg/day Bonito Protein 1.5g/day (no human studies) EVOO 4 tablespoons/day (40g/day) Fiber 40grams oat bran dry weight or 3grams B-Glucan Garlic 1-4 cloves (5g) Fresh wild garlic most effective Seaweed 3.3grams dried Wakame Vitamin C 500mg/day Vitamin E Gamma and Delta Tocopherols are preferred to Alpha Tocopherol to reduce BP in a ratio of 4:1 Take Tocopherols in the morning and Tocotrienols in evening Treat Vitamin D3 Deficiency (goal is a level of 80) Treat Vitamin B-6 Deficiency (200mg/d or short term up to 500mg/d) Dark Chocolate 100grams with 500mg Polyphenols Cocoa 30mg of polyphenols Tomato Lycopene Extract CoQ10 200-400mg/day Alpha Lipoic Acid 200mg with Acetyl-L-Carnitine 500mg BID N-Acetyl Cysteine 500mg BID L-Arginine 10grams/day (Lentils/HazeInuts/Walnuts/Peanuts/Heart bar) Hawthorne 160-1200mg daily Reduce EtOH 20g/day or less reduces CHD risk by 43% 10 ounces Red Wine = 20g/day 24 ounces of Beer = 20g/day 2 ounces of hard liquor = 20g/dayL-Carnitine 2g/day Taurine 3g BID Celery 4sticks/day or 8tsp celery juice TID or seed extract 1gBID Resveratrol 300mg TID Grape Seed Extract 150-300mg Hesperidin (red wine, tea, chocolate) **Pomegranate Juice** Melatonin 2.5mg reduces nocturnal BP Sesame 60mg/day NADH 5mg/day (in rats)

Natural Diuretics

Hawthorne Berry, Vit B-6, Mg++, Ca++, Taurine, Protein, Celery, Fiber, GLA, VitC, CoQ10, K+, L-Carnitine, High Gamma/Delta tocopherols and tocotrienols

Natural Beta Blocker: Hawthorne Berry

#### Central Alpha Agonists

Taurine, K+, Zinc, Na+ Restriction, Protein, Fiber, VitC, VitB-6, CoQ10, Celery, GLA/ DGLA, Garlic

### Natural Direct Vasodilators

Omega-3, MUFA (Omega-9), K+, Mg++, Ca++, Soy, Fiber, Garlic, Flavoids, VitC, VitE, CoQ10, L-Arginine, Taurine, Celery, Alpha Lipoic Acid

### Natural Calcium Channel Blockers

Alpha Lipoic Acid, VitC, Vit B-6, Mg++, N-Acetyl Cysteine, VitE, Taurine, Hawthorne Berry, Celery, Omega-3 (EPA/DHA), Ca++, Garlic

### Natural ACE Inhibitors

Garlic, Seaweed (Wakame, etc), Tuna Protein/Muscle, Sardine Protein/Muscle, Hawthorne Berry, Bonito Fish(dried), Pycnogenol, casein, hydrolyzed whey protein, sour milk, pomegranate, geletin, sake, Omega-3, Chicken egg yolks, zein, Dried Salted Fish, Fish Sauce, Zinc, Hydrolyzed Wheat Germ Isolate, Melatonin

## Natural Angiotensin Receptor Blockers

K+, Taurine, Resveratrol, Fiber, Garlic, VitC, Vit B-6, CoQ10, Celery, Gamma Linolenic Acid (GLA and DGLA)