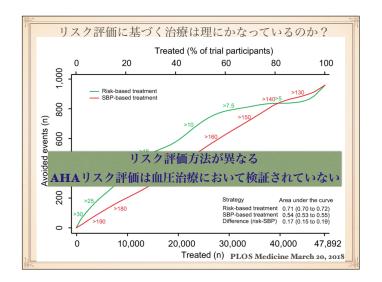


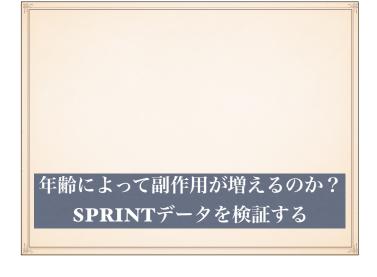


Key Steps for Proper BP	Specific Instructions
Measurements	
Step 1: Properly prepare the	1. Have the patient relax, sitting in a chair (feet on floor, back supported) for >5
patient	min.
	2. The patient should avoid caffeine, exercise, and smoking for at least 30 min
	before measurement.
	Ensure patient has emptied his/her bladder.
	4. Neither the patient nor the observer should talk during the rest period or
	during the measurement.
	5. Remove all clothing covering the location of cuff placement.
	Measurements made while the patient is sitting or lying on an examining
	table do not fulfill these criteria.
Step 2: Use proper technique	Use a BP measurement device that has been validated, and ensure that the
for BP measurements	device is calibrated periodically.*
	Support the patient's arm (e.g., resting on a desk).
	3. Position the middle of the cuff on the patient's upper arm at the level of the
	right atrium (the midpoint of the sternum).
	4. Use the correct cuff size, such that the bladder encircles 80% of the arm, and
	note if a larger- or smaller-than-normal cuff size is used (Table 9). American
	Either the stethoscope diaphragm or bell may be used for auscultatory
	readings (5, 6).
Step 3: Take the proper	At the first visit, record BP in both arms. Use the arm that gives the higher
measurements needed for	reading for subsequent readings.
diagnosis and treatment of	Separate repeated measurements by 1–2 min.
elevated BP/hypertension	For auscultatory determinations, use a palpated estimate of radial pulse
	obliteration pressure to estimate SBP. Inflate the cuff 20–30 mm Hg above
	this level for an auscultatory determination of the BP level.
	For auscultatory readings, deflate the cuff pressure 2 mm Hg per second,
	and listen for Korotkoff sounds.
Step 4: Properly document	Record SBP and DBP. If using the auscultatory technique, record SBP and
accurate BP readings	DBP as onset of the first Korotkoff sound and disappearance of all Korotkoff
	sounds, respectively, using the nearest even number.
	Note the time of most recent BP medication taken before measurements.
Step 5: Average the readings	Use an average of ≥2 readings obtained on ≥2 occasions to estimate the
	individual's level of BP.
Step 6: Provide BP readings	Provide patients the SBP/DBP readings both verbally and in writing.
to patient	

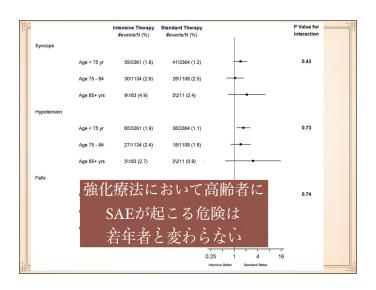


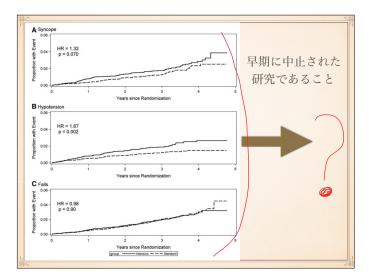












SPRINTでは、すでに降圧薬を飲んでいる人が対象 85歳以上は少なく、本当にリスクが同等か不明

TAKE HOME MESSAGE

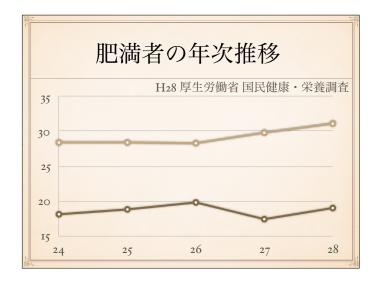
- ☆ 2017 AHA/ACCガイドラインがリスクx血圧で治療推奨 至適な測定方法・リスク評価方法はまだ疑問 非薬物治療について強くなる必要あり
- ☆ 高齢だから、強化療法で副作用が多いわけではないかも 治療薬導入時・超高齢ではまだまだ注意必要

SUGGESTED READINGS

- A Randomized Trial of Intensive versus Standard Blood-Pressure Control N Engl J Med 2015
- Blood pressure-lowering treatment based on cardiovascular risk: a meta-analysis of individual patient data Lancet 2014; 384: 591-98
- Effects of intensive blood pressure lowering on cardiovascular and renal outcomes: updated systematic review and meta-analysis Lancet 2016; 387: 435-43
- 4. Initial Treatment of Hypertension N Engl J Med 2018;378:636-44



EFFECT OF LOW-FAT VS LOW-CARBOHYDRATE
DIET ON 12-MONTH WEIGHT LOSS IN
OVERWEIGHT ADULTS AND THE ASSOCIATION
WITH GENOTYPE PATTERN OR INSULIN
SECRETION.
THE DIETFITS RANDOMIZED CLINICAL TRIAL
JAMA. 2018;319(7):667-679





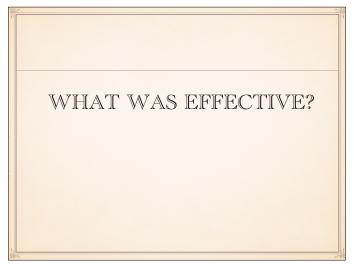






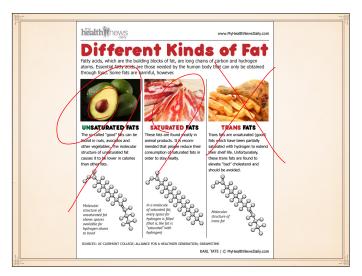


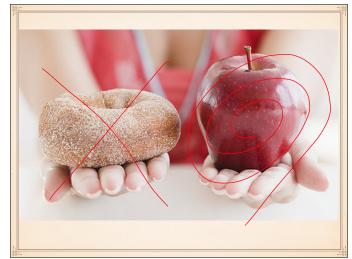












TAKE HOME MESSAGE

☆ 脂肪制限・糖質制限はどちらでもよい!

野菜摂取を最大限にする 添加砂糖、精製粉、トランス脂肪酸を極力避ける 食材そのままの摂取・自宅で調理

> カロリー制限なし 運動は普通程度 モチベーション維持・行動変容の促し