

## Algorithm

Floating shaded text box added to identify content in guideline annotations that are specific to special populations.

Algorithm 8) Reordered bullet points consistent with order of treatment change preference.

## Key Implementation Recommendations

Introduced concept of motivational interviewing as method to use to address behavior change.

## Annotations

1) Revised language regarding elevated blood pressure confirmation to more clearly match JNC 7 classification.

6) Added content regarding team-based care as an effective way to improve blood pressure control in hypertensive patients. Added new references (Carter, November 2009; and Carter, October 2009).

6) Added high dietary potassium recommendation to content and included recommendation in Table 3. Added new reference (Appel, 2009).

6) Added statement supporting combination of DASH diet with exercise and weight loss, which resulted in greater decline in blood pressure than DASH diet alone. Added new reference (Blumenthal, 2010).

6) Highlighted recommendation that initial therapy in most patients with uncomplicated hypertension include consideration of thiazide-type diuretic. Added new reference (Wright, 2010).

6) Added additional language around use of combination therapy as initial drug treatment. Added new references (Gradman, 2010; Feldman, 2009; Walk, 2009; and Jamerson, 2008).

6) Added content around cancer risk associated with use of angiotensin receptor blockers. Added reference (Sipahi, 2010).

7) Established new *special populations* categories and reorganized previous content. Blood pressure goal recommendations for (*special populations*) modified following review and

inclusion of multiple additional references (Appel, 2010; ACCORD, 2010; Lewis, 2010; Cooper-De Hoff, 2010; Denardo, 2010; Arguedas, 2009; Hunt, 2009; Zanchetti, 2009; ADVANCE, 2008; Beckett, 2008; Norris, 2006; Wright, 2002; Liu, 1998; Staessen, 1997; Peterson, 1995; Klahr, 1994; MRC, 1992; SHEP Cooperative Research Group, 1991; and Amery, 1985). Deleted previous Conclusion Grading Worksheet entitled *Goal Blood Pressure for Patients with Cardiovascular Disease*.

11) Language modified to consider hypertension consultation if blood pressure not controlled on three to four medications, including a diuretic plus additional two medication classes.

### **Aims & Measures**

Overall language modified to provide greater clarity. Specifically modified the measures associated with Aim #1 to suggest measures consistent with current evidence. Additional measurement specifications included.

### **Appendices**

Appendix G modified with updated cost information.

Appendix H *Accountability Measures for Hypertension Treatment in Adults* added with references (Chassin, 2010; Solberg, 1997).