Outcomes of Combined Cardiovascular Risk Factor Management Strategies in Type 2 Diabetes: The ACCORD Randomized Trial

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OBJECTIVE
To compare effects of combinations of standard and intensive treatment of glycemia and either blood pressure (BP) or lipids in the Action to Control Cardiovascular Risk in Diabetes (ACCORD) trial.

RESEARCH DESIGN AND METHODS
ACCORD enrolled 10,251 type 2 diabetes patients aged 40–79 years at high risk for cardiovascular disease (CVD) events. Participants were randomly assigned to hemoglobin A1c goals of < 6.0% (< 42 mmol/mol; intensive glycemia) or 7.0–7.9% (53–63 mmol/mol; standard glycemia) and then randomized a second time to either 1) systolic BP goals of <120 mmHg (intensive BP) or <140 mmHg (standard BP) or 2) simvastatin plus fenofibrate (intensive lipid) or simvastatin plus placebo (standard lipid). Proportional hazards models were used to assess combinations of treatment assignments on the composite primary (deaths due to CVD, nonfatal myocardial infarction [MI], and nonfatal stroke) and secondary outcomes.

RESULTS
In the BP trial, risk of the primary outcome was lower in the groups intensively treated for glycemia (hazard ratio [HR] 0.67; 95% CI 0.50–0.91), BP (HR 0.74; 95% CI 0.55–1.00), or both (HR 0.71; 95% CI 0.52–0.96) compared with combined standard BP and glycemia treatment. For secondary outcomes, MI was significantly reduced by intensive glycemia treatment and stroke by intensive BP treatment; most other HRs were neutral or favored intensive treatment groups. In the lipid trial, the general pattern of results showed no evidence of benefit of intensive regimens (whether single or combined) compared with combined standard lipid and glycemia treatment. The mortality HR was 1.33 (95% CI 1.02–1.74) in the standard lipid/intensive glycemia group compared with the standard lipid/standard glycemia group.

CONCLUSIONS
In the ACCORD BP trial, compared with combined standard treatment, intensive BP or intensive glycemia treatment alone improved major CVD outcomes, without additional benefit from combining the two. In the ACCORD lipid trial, neither intensive lipid nor glycemia treatment produced an overall benefit, but intensive glycemia treatment increased mortality.
Cardiovascular disease (CVD) is the most common cause of death and disability in patients with type 2 diabetes mellitus, and dysglycemia, high blood pressure (BP), and dyslipidemia mediate much of this increased CVD risk (1). Treatment trials focused on single risk factor modification have shown that lowering glucose, BP, and lipids substantially reduces CVD events and deaths in patients with type 2 diabetes (2–4). The Steno-2 Study showed a major reduction in CVD events and mortality with multifactorial intensive treatment (5,6). When the Action to Control Cardiovascular Risk in Diabetes (ACCORD) trial was designed, the study questions focused on the separate effectiveness of three distinct single-factor interventions targeting near-normal levels of hemoglobin A1c (HbA1c) versus standard levels, near-normal levels of systolic BP versus standard levels, and combined lipid-lowering therapy with a fibrate and an hydroxymethylglutaryl CoA reductase inhibitor (statin) versus monotherapy with a statin (7–10).

Assessment of the effectiveness of combined versus single intensive interventions was not the primary objective of ACCORD. However, the factorial study design permits these planned analyses, and their potential relevance has only increased given the somewhat unexpected pattern of findings of the ACCORD trials (11–14). None of the three intensive intervention strategies had a significant beneficial main effect on the primary outcome, a composite of cardiovascular death, nonfatal myocardial infarction (MI), and nonfatal stroke (major CVD). All-cause mortality and CVD mortality were increased by the intensive glycemia intervention and not altered by intensive treatment of BP or an intensive lipid treatment strategy. At the same time, the risk of nonfatal MI was reduced by intensive treatment of glycemia, and risk of fatal and nonfatal stroke was reduced by intensive treatment of BP.

In previously published analyses, a modest interaction was observed for the outcome of total mortality between the intensive glycemia and BP interventions ($P = 0.03$); the group that received both intensive interventions had the highest mortality, while the groups receiving either or both standard interventions had lower mortality (Supplemental Fig. 4 in 11). No significant interaction was found for the primary composite outcome of major CVD, and no interactions were found for either outcome between the glycemia and lipid interventions. However, intensive glycemia assignment was associated with a nonsignificant 26–33% elevated risk of mortality regardless of lipid treatment assignment.

The purpose of this article is to explore these treatment combinations in more depth by examining outcomes separately in the lipid and BP trials and by examining outcomes separately for the intensive and standard glycemia participants within those trials. In the BP trial, we compare standard treatment of glycemia and BP with both single and joint intensive treatment of glycemia and BP. In the lipid trial, we conduct a parallel comparison of standard glycemia and lipid treatment with both single and joint intensive interventions. This analytic strategy was not prespecified but was developed before the data presented here were analyzed. The goal was to determine whether macrovascular, microvascular, or mortality outcomes differed in any of the three intensively treated groups in each trial compared with the group that received standard treatment.

**RESEARCH DESIGN AND METHODS**

The rationale, design, methods, and major outcomes of the ACCORD trial have been published previously (7–10,12–15). In brief, ACCORD was a double two-by-two factorial trial designed to test whether, compared with standard treatment, more intensive control of glycemia, BP, or dyslipidemia might reduce risk of cardiovascular death, nonfatal MI, and nonfatal stroke (major CVD). Men and women with type 2 diabetes aged 40 to 79 years and with HbA1c ≥7.5% ($\geq 58 \text{ mmol/mol}$) and who had prior evidence of CVD or multiple cardiovascular risk factors were recruited in 77 clinics across the U.S. and Canada from January 2001 to October 2005. All participants were required to qualify for the glycemia trial and at least one of the nested trials (BP or lipid). In the glycemia trial, participants were randomized to HbA1c goals of $<6.0\%$ ($<42 \text{ mmol/mol}$; intensive) or 7.0–7.9% (53–63 mmol/mol; standard). In the BP trial, participants were randomized to systolic BP goals of $<120 \text{ mmHg}$ (intensive) or $<140 \text{ mmHg}$ (standard). In the lipid trial, participants were randomized in a masked fashion to combined therapy with fenofibrate plus simvastatin (intensive) or placebo plus simvastatin (standard).

The glycemia trial was terminated early due to an observed 22% greater relative risk of death in the intensively treated participants (12). Participants were informed of the decision to terminate the glucose-lowering comparison on 5 February 2008, after a mean treatment period of 3.7 years. From this transition date onward, the intensity of glycemia interventions in the intensive group was reduced to that of the standard group and HbA1c targets were changed from $<6\%$ ($<42 \text{ mmol/mol}$) to between 7 and 7.9% (53–63 mmol/mol). As participants had also been allocated to either the BP trial or the lipid trial, they continued to be followed per protocol either every 2 or 4 months until the originally planned trial end (June 2009). Thus clinical outcomes continued to be collected and blindly adjudicated centrally for an additional 17 months.

The effects of the glycemia intervention during a mean of 3.5 years that provided the basis for the Data Safety Monitoring Board (DSMB) recommendation were previously reported (12) and were updated to reflect the effect of the intervention the additional 0.2 years (i.e., until 5 February 2008) when intensive glycemia participants were informed of the change in glycemia management (11). This article reports the effects of the glycemia, BP, and lipid interventions over a mean of 3.7 years of follow-up using an intention-to-treat analysis.

The primary end point for ACCORD was major CVD events, defined as the composite of deaths due to CVD, nonfatal MI, and nonfatal stroke. This article will also report the following secondary outcomes: total mortality, CVD deaths, any MI, any stroke, an expanded macrovascular outcome (including major fatal and nonfatal CVD events in the primary outcome, revascularizations, and heart failure hospitalizations), and the two protocol-specified microvascular disease composite outcomes (15). The first microvascular disease composite combined advanced kidney and eye disease and was intended to approximate the
primary microvascular outcome of the UK Prospective Diabetes Study (16); the second added peripheral neuropathy to that outcome.

Variables are described using the mean (SD) or median (interquartile range) for continuous measures and proportions for categorical variables. The use of medications from various classes is described based on the last visit for each participant prior to 5 February 2008, when the intensive glycemia intervention was stopped.

Mean HbA1c, BP, and lipid levels at the last visit prior to stopping the glycemia intervention are reported for each of the four combination of treatment assignments in both the BP and lipid trials. Differences in event rates between randomized groups were tested using proportional hazards regression analysis adjusting for the design factors of clinical center network, baseline history of CVD, and BP trial or lipid trial assignment. All analyses were performed using SAS version 9. In keeping with other ACCORD secondary analyses, adjustment for multiple comparisons was not performed.

ACCORD was sponsored by the National Heart, Lung, and Blood Institute (NHLBI) with support from other National Institutes of Health (NIH) institutes, and the protocol was reviewed, approved in advance, and monitored by an NHLBI DSMB and by ethics committees at each center. All participants provided written informed consent. All authors vouch for the accuracy and completeness of the reported data.

RESULTS

The allocation of participants and the completeness of follow-up in the ACCORD trial have been reported previously (12–14). Characteristics of the 10,251 participants by trial are shown in Table 1. Overall, participants included an ethnically diverse group of middle-aged and older men and women with poorly controlled type 2 diabetes of long duration. The allocation of participants was similar to the more intensively treated group in the lipid trial and in the intensive lipid/intensive glycemia group. Triglyceride levels were lowest in the intensive glycemia group. In the BP trial, most of the point estimates of the HRs were neutral or favored the more intensively treated group participants in the lipid trial and in the standard BP groups of the BP trial. LDL cholesterol levels were similar across all treatment assignments in both trials. HDL cholesterol levels were highest relative to the other treatment assignments in the standard BP/intensive glycemia group in the BP trial and in the intensive lipid/intensive glycemia group in the lipid trial. Triglyceride levels were lowest in the intensive glycemia and intensive lipid treatment groups.

The hazard ratio (HR), corresponding 95% CI, and 5-year event rates for the study outcomes are shown in Fig. 1 for the BP trial and in Fig. 2 for the lipid trial. In both figures, the least intensively treated group (standard BP/standard glycemia group or standard lipid/standard glycemia group) serves as the reference group. In the BP trial, most of the point estimates of the HRs were neutral or favored the more intensively treated group.

### Table 1—Baseline characteristics of ACCORD trial participants

| Baseline characteristic | BP trial (n = 4,733) | Lipid trial (n = 5,518) | Glycemia trial (n = 10,251) |
|-------------------------|---------------------|------------------------|---------------------------|
| **Age (years)**         | 62.2 (6.8)          | 62.3 (6.8)             | 62.2 (6.8)                |
| Women                   | 47.7                | 30.7                   | 38.5                      |
| **Ethnicity**           |                     |                        |                           |
| White                   | 60.5                | 68.4                   | 64.8                      |
| Black                   | 24.1                | 15.1                   | 19.3                      |
| Hispanic                | 7.0                 | 7.4                    | 7.2                       |
| Other                   | 15.8                | 17.2                   | 16.6                      |
| **Median duration of diabetes (years)** | 10 (10) | 9 (10) | 10 (10) |
| Previous CVD event      | 33.7                | 36.5                   | 35.2                      |
| **BMI (kg/m²)**         | 32.1 (5.6)          | 32.3 (5.4)             | 32.2 (5.5)                |
| **Systolic BP (mmHg)**  | 139.2 (15.8)        | 133.9 (17.8)           | 136.4 (17.1)              |
| **Diastolic BP (mmHg)** | 76.0 (10.4)         | 74.0 (10.8)            | 74.9 (10.7)               |
| **Median HbA1c (%)**    | 8.3 (1.1)           | 8.3 (1.0)              | 8.3 (1.1)                 |
| **Median HbA1c (mmol/mol)** | 67.0 (12.0) | 67.0 (10.9) | 67.0 (12.0) |
| **Total cholesterol (mg/dL)** | 192.8 (44.8) | 175.2 (37.3) | 183.3 (41.8) |
| **LDL cholesterol (mg/dL)** | 110.0 (36.7) | 100.6 (30.7) | 104.9 (33.9) |
| **HDL cholesterol in women (mg/dL)** | 51.3 (13.8) | 41.4 (7.8) | 47.0 (12.6) |
| **HDL cholesterol in men (mg/dL)** | 41.7 (11.8) | 36.6 (7.3) | 38.6 (9.6) |
| **Median triglyceride (mg/dL)** | 147 (128) | 162 (116) | 155 (122) |
| **Serum creatinine (mg/dL)** | 0.9 (0.2) | 0.9 (0.2) | 0.9 (0.2) |

Data are percentage, mean (SD), or median (interquartile range).
groups. All three more intensively treated groups in the BP trial experienced significantly lower rates of the primary outcome, major CVD, with HRs ranging from 0.67 to 0.74 when compared with the standard BP/standard glycemia group. Both of the more intensively treated glycemia groups experienced lower rates of MI, while both of the more intensively treated BP groups experienced lower rates of stroke when compared with the standard BP/standard glycemia group. The expanded macrovascular end point favored all of the more intensively treated groups, but only the standard BP/intensive glycemia group had a significantly lower event rate than the standard BP/standard glycemia reference group (HR 0.83; 95% CI 0.70–0.98). There was no statistical evidence of benefit or harm regarding total mortality, CVD mortality, or microvascular disease for any of the more intensively treated groups. Of particular note, while the intensive BP/intensive glycemia group showed evidence of benefit regarding major CVD, any MI, and any stroke compared with the standard BP/standard glycemia group, the benefits were not different from those observed for the single-factor intensive regimens.

In the lipid trial, the general pattern of results showed no evidence of benefit of intensive regimens (whether single factor or combined) relative to the standard lipid/standard glycemia group. Mortality was 33% higher in the standard lipid/intensive glycemia group than in the standard lipid/standard glycemia group (HR 1.33; 95% CI 1.02–1.74), and total and CVD mortality were nonsignificantly higher in the intensive glycemia group relative to the standard lipid/standard glycemia group regardless of lipid treatment assignment.

CONCLUSIONS

Although none of the individual intensive interventions reduced the ACCORD trial primary outcome of major CVD, these current planned analyses of the effects of single and combined intensive intervention regimens on major macrovascular outcomes in the ACCORD trial provide a somewhat different view of the results than those published to date. First, compared with the standard BP/standard glycemia group, the intensive BP/intensive glycemia, intensive BP/standard glycemia, and standard BP/intensive glycemia groups all showed benefit for reducing the risk of major CVD in the BP trial. However, the intensive BP/intensive glycemia group showed no evidence of incremental benefit compared with either single intensive intervention. Second, in the BP trial, MI was significantly reduced in the intensive glycemia treatment groups and stroke in the intensive BP treatment groups. Third, compared with the standard lipid/standard glycemia group, there was no evidence of benefit of either the intensive lipid or intensive glycemia intervention in the lipid trial, and there was increased mortality in the standard lipid/intensive glycemia group. None of the intensive interventions, singly or in combination, affected the risk of advanced microvascular outcomes, which is consistent with previously published findings (15,17).

These results raise several questions. Why did the intensive BP and intensive glycemia interventions fail to show additive effects in the BP trial? For major CVD, MI, stroke, and macrovascular disease, one or both of the single-factor intensive regimens was at least as effective in reducing risk as was the combined intensive regimen. Might this finding provide evidence of a “floor effect,” i.e., a diminishing ability of intensive treatments to lower risk further
when one risk factor is reduced to near-normal levels and the other risk factor is reasonably well controlled? While this possibility is speculative, the results of the AIM HIGH (Atherothrombosis Intervention in Metabolic Syndrome With Low HDL/High Triglycerides: Impact on Global Health Outcomes) trial provide additional evidence of some pertinence (18). In this trial, in the setting of very well-controlled cholesterol (using a moderate-dose statin), further lowering of LDL cholesterol by the addition of niacin had no further impact on risk of CVD, despite achieving better HDL cholesterol and triglyceride levels. The results of AIM HIGH contrast with results of the Coronary Drug Project, conducted in the prestatin era, which demonstrated a cardioprotective effect of niacin alone (19). If the reason for that discrepancy is the standard use of statins in AIM HIGH, then it seems possible that the substantial use of aspirin in over 60% in both trials, and statins in over 60% in the ACCORD BP trial and over 85% in the ACCORD lipid trial, may have reduced the ability of the intensive interventions in ACCORD to further reduce CVD outcomes. Similarly, in studies designed to show safety of newer glucose-lowering drugs, the new agent is typically added to existing therapy in patients receiving high-quality background therapy, many of whom also have well-controlled glycaemia. In the context of the ACCORD results, perhaps it is not surprising that such studies have failed to show CVD benefit (20,21).

Why did the intensive glycaemia intervention appear to reduce the risk for major CVD in the BP trial but not in the lipid trial, and why did it appear to increase mortality in the lipid trial but not in the BP trial? Unlike a 3 x 3 design, which would have required a much larger sample size, the double 2 x 2 factorial study design did not permit a comparison of various combinations of all three interventions. Given differences in eligibility criteria and underlying care.diabetesjournals.org Margolis and Associates 1725

Table 3—HbA1c, BP, and lipids at the last visit prior to stopping the intensive glycaemia intervention

| Measure                    | BP trial                        | Lipid trial                      |
|----------------------------|---------------------------------|----------------------------------|
|                            | Standard BP                     | Intensive BP                     | Standard lipid | Intensive lipid |
|                            | Standard glycemia               | Intensive glycemia               | Standard glycemia | Intensive glycemia |
| Median HbA1c (%)           | 7.5 (1.1)                       | 6.5 (1.1)                       | 7.5 (1.2)      | 6.4 (1.2)      | 7.6 (1.2)      | 6.3 (1.1)      | 7.6 (1.2)      | 6.4 (1.1)      |
| Median HbA1c (mmol/mol)    | 58.0 (12.0)                     | 48.0 (12.0)                     | 58.0 (13.1)    | 46.0 (13.1)    | 60.0 (13.1)    | 45.0 (12.0)    | 60.0 (13.1)    | 46.0 (12.0)    |
| Mean systolic BP (mmHg)    | 134.7 (15.6)                    | 133.3 (14.9)                    | 120.2 (14.6)   | 120.5 (15.0)   | 130.5 (18.8)   | 128.8 (18.0)   | 129.3 (17.6)   | 128.6 (18.1)   |
| Mean diastolic BP (mmHg)   | 70.9 (10.5)                     | 69.7 (10.7)                     | 64.4 (10.2)    | 64.3 (9.9)     | 69.4 (11.1)    | 67.8 (10.9)    | 68.2 (10.7)    | 67.4 (11.1)    |
| Mean LDL cholesterol (mg/dL)| 100.4 (39.5)                    | 100.2 (38.8)                    | 102.8 (41.4)   | 102.1 (41.2)   | 82.9 (27.4)    | 84.4 (26.9)    | 83.6 (26.7)    | 84.0 (27.6)    |
| Mean HDL cholesterol (mg/dL)| 46.8 (14.9)                     | 47.6 (14.4)                     | 46.1 (14.4)    | 45.6 (13.6)    | 39.4 (8.9)     | 40.4 (9.7)     | 39.9 (10.0)    | 40.8 (11.4)    |
| Median triglycerides (mg/dL)| 141.0 (120.0)                   | 127.0 (99.0)                    | 142.5 (119.0)  | 140.0 (119.0)  | 155.0 (117.0)  | 137.0 (99.0)   | 130.5 (90.0)   | 117.0 (86.0)   |

Data are mean (SD) or median (interquartile range).

Figure 1—Five-year event rates, HR, and corresponding 95% CI for comparisons of the three more intensively treated groups to the standard BP-lowering/standard glucose-lowering treatment group in the ACCORD BP trial. P values are for pairwise comparisons of more intensively treated groups with the standard/standard group. BP, blood pressure; Gly, glycaemia; std, standard; int, intensive; macrovasc, macrovascular end point; microvasc, microvascular end point.
also possible that the greater use of intensive glycemia group participants in the ACCORD lipid trial compared with participants who had a higher risk of major CVD during the event before randomization influenced the risk of subsequent major CVD in the lipid trial, an unmeasured characteristic that could have influenced the difference in the estimated risk for CVD events for the participants in the two trials, a simple comparison of the event rates for the intensive glycemia group in the BP and lipid trials could be misleading. Although the characteristics of the participants in the two trials differed somewhat, there was substantial overlap, and previous subgroup analyses from ACCORD do not point to any measured participant characteristics or drug treatments that might explain the difference in the estimated effect of the intensive glycemia intervention on CVD between the trials. There may have been more subclinical CVD in the lipid trial, an unmeasured characteristic that could have influenced the risk of subsequent major CVD. In previous subgroup analyses, intensive glycemia group participants with a CVD event before randomization had a higher risk of major CVD during the trial compared with participants with no prior history of CVD (12). It is also possible that the greater use of statins in the lipid trial reduced the ability to detect the glycemia treatment effect observed in the BP trial, although this seems unlikely given that event rates in the reference group in the lipid trial were similar or higher than in the BP trial. Finally, given the lack of an overall effect in the observed results may apply only to ACCORD-like patients; extrapolation to other patients, especially to younger or healthier patients with shorter duration of diabetes, must await the results of additional trials. The recently completed Secondary Prevention of Small Subcortical Strokes (SPS3) trial provides some additional evidence of stroke reduction by intensive BP control in patients with recent lacunar stroke. SPS3 compared a systolic BP target of 130–149 mmHg with a target <130 mmHg and achieved a separation of 11 mmHg between the groups. There was a nonsignificantly lower risk of the primary outcome of recurrent stroke in the group treated to the lower BP target.
target (HR 0.81; 95% CI 0.64–1.03; P = 0.08) and a significant reduction in hemorrhagic stroke (HR 0.37; 95% CI 0.15–0.95; P = 0.03) (22). In addition, the ongoing Systolic Blood Pressure Intervention Trial (SPRINT) in non-diabetic populations (https://www.sprintrtrial.org/public/dspHome.cfm; accessed 20 June 2013.)

We now summarize the results of the current secondary analyses, place them in the context of the previously published primary analyses, and discuss implications for clinical practice. In diabetes patients resembling those in the ACCORD lipid trial, addition of fenofibrate to a statin, intensive glycemia control, or the combination did not prevent major CVD or other CVD outcomes better than standard glycemia control with statin use. These results are consistent with the primary analyses, except that the previously observed increase in mortality associated with intensive glycemia control seems limited to this subset of ACCORD participants. These secondary analyses newly suggest that in diabetes patients resembling those in the ACCORD BP trial, either intensive BP or glycemia control reduces major CVD compared with combined standard treatment, but the comparison was no better than the individual intensive interventions. The current results are consistent with the previously published primary analyses in that intensive glycemia control reduces MI while intensive BP control reduces stroke, although the glycemia findings are limited to the subset of ACCORD participants in the BP trial. In this subset, there was no evidence of increased mortality with either intensive intervention.

Both the intensive BP control and intensive glycemia control strategies require more medications and more visits than the standard control strategies. Participants in both intensive treatment groups also experienced significantly higher rates of adverse effects that were attributed to treatment. These included more weight gain and serious hypoglycemia in the intensive glycemia group and more hypotension, syncope, bradycardia/arrhythmia, and hyperkalemia in the intensive BP group (12–14). Nevertheless, it may be easier and safer to achieve near-normal systolic BP and to use statins than to achieve near-normal levels of HbA1c with the multidrug glucose-lowering regimens that were used in ACCORD. These and previous ACCORD analyses suggest that there is a potential for increased mortality with intensive glycemia treatment in a subset of patients who are difficult to identify. There is no corresponding evidence of an increased mortality risk with intensive BP treatment. A recent meta-analysis of treatment trials in people with type 2 diabetes who had systolic BP ≤135 mmHg in the intensive BP group and ≤140 mmHg in the standard BP group found a 10% (95% CI 2–17%) reduction in total mortality (23). Several trials, including the ACCORD BP trial, with intensive group systolic BP <120 were included in the meta-analysis, and none found increased mortality in the <120 mmHg group.

In patients with longstanding type 2 diabetes and high CVD risk resembling those in the ACCORD lipid trial, these analyses do not support adding fenofibrate to a statin, intensive glycemia control, or the combination. In patients similar to those enrolled in the ACCORD BP trial, these analyses provide limited support for intensive BP control and even more limited support for intensive glycemia control to reduce the risk of major CVD. Any kind of treatment intensification requires more visits and medications and exposure to adverse effects, but intensifying BP control in patients with diabetes may be less risky than intensifying glycemia control, which reduced MI but was associated with increased mortality in some patients. Thus intensive BP control may be reasonable in certain motivated patients who have been educated about the added treatment burden, cost, and risk of side effects and want to further lower their risk of stroke beyond what can be achieved through standard care. There may be other patients for whom intensive glycemia control may be beneficial to further reduce their risk of MI. From a clinical point of view, the results presented here confirm the great importance of tailoring treatment goals and treatment intensity to specific subgroups of patients. The choice of whether to pursue either intensive BP control or intensive glycemia control using multidrug regimens will require shared decision making between the physician and patient about their individual medical profiles, goals, and preferences.

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