

Patient Characteristics Associated With Safety of High-dose Statin and Combination Statin Therapy

- Age <75 years
- Larger body size; use with caution if small body size, particularly in females
- Prior statin use; no history of statin intolerance
- No active hepatic disease; ALT and AST $\leq 2X$ ULN
- Serum creatinine $\leq 1.5X$ ULN; GFR >60 mL/min/1.73 m²; no history of nephrotic syndrome
- TSH and 25-OH vitamin D in normal range
- Creatine kinase <3X ULN unless explanation; use with caution if history of muscle disease
- No concomitant use of macrolide antibiotics, antivirals, systemic azole antifungals, nefazodone, verapamil, diltiazem, amiodarone, gemfibrozil, immunosuppressants (tacrolimus, cyclosporine)
- <1 quart grapefruit juice per day
- <2 alcoholic drinks per day; avoid if alcoholism is present
- LVEF $\geq 30\%$
- Discontinue if severe illness, major surgery, or major trauma
- Evaluate appropriate use if multiple comorbidities or medications

ALT = alanine aminotransferase; AST = aspartate aminotransferase; ULN = upper limit of normal; GFR = glomerular filtration rate; TSH = thyroid-stimulating hormone; LVEF = left ventricular ejection fraction.

Adapted from: Davidson MH, Robinson JG. Safety of aggressive lipid management. *J Am Coll Cardiol.* 2007;49:1753-1762.

Glueck CJ, Budhani SB, Masineni SS, et al. Vitamin D deficiency, myositis-myalgia, and reversible statin intolerance. *Curr Med Res Opin.* 2011;27:1683-1690.