

# Phase 2 Study of Oral Hypoxia-Inducible Factor Prolyl Hydroxylase Inhibitor Roxadustat for the Treatment of Anemia in Patients with Chronic Kidney Disease - 16 to 24 Weeks

## SUPPLEMENTARY MATERIAL

**Supplemental Table 1: Inclusion and Exclusion Criteria**

<p><b>Inclusion Criteria</b></p>	<ol style="list-style-type: none"> <li>1. Age 18 to 75 years; subjects older than 75 years of age may be permitted on a case-by-case basis, at the discretion of the FibroGen medical monitor</li> <li>2. Chronic kidney disease, not receiving dialysis, with an estimated glomerular filtration rate (eGFR) of <math>\geq 15</math> and <math>&lt; 60</math> mL/min/1.73 m<sup>2</sup> (KDOQI Stage 3 or 4), estimated using the abbreviated 4-variable MDRD (Modification of Diet in Renal Disease) equation. Subjects with eGFR <math>&lt; 15</math> mL/min/1.73 m<sup>2</sup> (KDOQI Stage 5) may be permitted on a case-by-case basis, at the discretion of the FibroGen medical monitor</li> <li>3. Ferritin <math>&gt; 30</math> ng/mL</li> <li>4. TSAT <math>\geq 5\%</math></li> <li>5. Mean of the two most recent hemoglobin values during the screening period, obtained at least 7 days apart, must be <math>\leq 10.5</math> g/dL, with a difference of <math>\leq 1.0</math> g/dL between the two values</li> <li>6. Alanine aminotransferase (ALT) and aspartate aminotransferase (AST) must be <math>\leq 2</math>x upper limit of normal (ULN) at screening</li> <li>7. Total bilirubin (Tbili) must be <math>\leq</math>ULN at screening</li> <li>8. Alkaline phosphatase (ALP) must be <math>&lt; 2</math>x ULN</li> <li>9. Screening serum folate and vitamin B<sub>12</sub> level <math>\geq</math> lower limit of normal</li> <li>10. Body weight 45 to 140 kg</li> </ol>
<p><b>Exclusion Criteria:</b></p>	<ol style="list-style-type: none"> <li>1. Received any ESA or more than one dose of IV iron within 12 weeks prior to randomization</li> <li>2. Any clinically significant infection or evidence of an underlying infection, as manifested by a total white blood cell (WBC) count <math>&gt;</math>ULN, within 4 weeks prior to randomization</li> <li>3. Positive for any of the following: human immunodeficiency virus (HIV), hepatitis B surface antigen (HBsAg), or antihepatitis C virus antibody (anti-HCV Ab)</li> <li>4. History of chronic liver disease</li> <li>5. Serum albumin <math>&lt; 3</math> g/dL</li> <li>6. New York Heart Association Class III or IV congestive heart failure</li> </ol>

<p><b>Exclusion Criteria (cont.)</b></p>	<ol style="list-style-type: none"> <li>7. Myocardial infarction or acute coronary syndrome within 12 weeks prior to randomization</li> <li>8. Thromboembolic event within 12 weeks prior to randomization</li> <li>9. Uncontrolled hypertension (systolic BP &gt;170 mm Hg or diastolic BP &gt;110 mmHg) within 4 weeks prior to randomization</li> <li>10. Diagnosis or suspicion (e.g., complex kidney cyst of Bosniak Category II or higher) of renal cell carcinoma on renal ultrasound within 3 months prior to randomization</li> <li>11. History of malignancy, except the following: cancers determined to be cured or in remission for <math>\geq 5</math> years, curatively resected basal cell or squamous cell skin cancers, cervical cancer in situ, or resected colonic polyps</li> <li>12. Chronic inflammatory disease that could impact erythropoiesis (e.g., systemic lupus erythematosus, rheumatoid arthritis, celiac disease) even if it is currently in remission</li> <li>13. Active or chronic gastrointestinal bleeding, or a known coagulation disorder</li> <li>14. Hemoglobinopathy (e.g., homozygous sickle-cell disease, thalassemia of all types, etc.)</li> <li>15. History of myelodysplastic syndrome, multiple myeloma, or pure red cell aplasia</li> <li>16. History of hemosiderosis, hemochromatosis or polycystic kidney disease</li> <li>17. Active hemolysis or diagnosis of hemolytic syndrome</li> <li>18. Known bone marrow fibrosis</li> <li>19. Uncontrolled or symptomatic secondary hyperparathyroidism</li> <li>20. Seizure disorder or receiving anti-epilepsy medication for seizure disorder within 12 weeks prior to randomization</li> <li>21. Known proliferative retinopathy</li> <li>22. Any prior or scheduled organ transplantation</li> <li>23. Anticipated elective surgery that is expected to lead to significant blood loss during the study period</li> <li>24. Life expectancy &lt;12 months</li> <li>25. Drug-treated gastroparesis, short-bowel syndrome, or any other gastrointestinal condition that may lead to reduced absorption of study drug</li> <li>26. Anticipated use of dapson or acetaminophen &gt;2.0 g/day, or &gt;500 mg per dose repeated every 6 hours, during the Treatment or Follow-Up Periods of the study</li> <li>27. Androgen, deferoxamine, deferiprone, or deferasirox therapy within 12 weeks prior to randomization</li> <li>28. Red blood cell transfusion within 8 weeks prior to randomization or anticipated need for transfusion during the treatment period</li> </ol>
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<b>Exclusion Criteria (cont.)</b>	<ul style="list-style-type: none"> <li>29. History of alcohol or drug abuse within a year prior to randomization, or anticipated inability to avoid consumption of more than three alcoholic beverages per day</li> <li>30. Prior treatment with FG-4592 or any hypoxia-inducible factor prolyl hydroxylase inhibitor</li> <li>31. Use of an investigational medication or treatment, participation in an investigational interventional study, or carryover effect of an investigational treatment expected, within 4 weeks prior to randomization</li> <li>32. Pregnant or breastfeeding females</li> <li>33. Females of childbearing potential, unless using contraception as detailed in the protocol; male subjects with sexual partners of childbearing potential who are not on birth control unless the male subject agrees to use contraception</li> <li>34. Any medical condition that in the opinion of the investigator may pose a safety risk to a subject in this study or which may interfere with study participation</li> </ul>
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## Supplemental Table 2: Dose and Dose Frequency Adjustment Rules

<p>Dose adjustment rules were built into the study protocol to enable investigators to adjust the dose for their subjects to achieve correction of anemia and maintain their Hb levels within a predefined target range. The dose adjustment rules were as follows:</p>
<ul style="list-style-type: none"> <li>No dose adjustment occurred during first 4 study weeks, except in the event of excessive hematopoiesis (when the subject's dose should be reduced) and dose frequency conversion (see below).</li> </ul>
<ul style="list-style-type: none"> <li>Dose adjustment reviews could occur from Week 5 onward, and every 4 weeks thereafter. In contrast, dose frequency conversions could occur at any dosing week (even during first 4 study weeks, if indicated).</li> </ul>
<ul style="list-style-type: none"> <li>The time interval between dose adjustment reviews was 4 weeks in Cohorts A through F, except in the event of excessive hematopoiesis. Even if a subject's dose was not increased or decreased following a dose adjustment review at end of study week 8, the next dose adjustment review occurred 4 weeks after the last dose adjustment review, i.e., after 12 weeks.</li> </ul>
<ul style="list-style-type: none"> <li>Subjects in Cohorts B and F whose two consecutive Hb levels reached 11.0 g/dL AND increased at least 1.0 g/dL from baseline were converted from TIW to BIW dosing at the start of a new week of dosing. Thus, a subject who required a roxadustat dose of 60 mg TIW was converted to a dose of 60 mg BIW. During this conversion, and for 4 weeks after conversion, no further dose adjustment occurred.</li> </ul>
<ul style="list-style-type: none"> <li>Subjects in Cohort E whose two consecutive Hb levels reached 11.0 g/dL and were at least 1.0 g/dL above baseline were converted from BIW to QW with a dose step increase at the start of a new week of dosing. For 4 weeks after conversion, no further dose adjustment occurred.</li> </ul>
<ul style="list-style-type: none"> <li>Additionally, subjects in Cohort F on BIW maintenance dosing who maintained constant study drug doses with stable Hb values between 11.0 and 13.0 g/dL for at least 8 weeks had their dose frequency reduced further to QW with a dose step increase at the start of a new week of dosing, provided the maximum study drug dose of 2.5 mg/kg was not exceeded. For 4 weeks after conversion, no further dose adjustment occurred.</li> </ul>
<ul style="list-style-type: none"> <li>Dose adjustment rules in Cohorts A, B, E, and F were based on changes in Hb values over 4 weeks, and whether the Hb target has been reached or exceeded.</li> </ul>
<ul style="list-style-type: none"> <li>Dose adjustment rules in Cohorts C and D were based on changes in Hb values over 4 weeks, and whether the Hb was below 10.5 g/dL or had reached or exceeded 12.0 g/dL.</li> </ul>
<ul style="list-style-type: none"> <li>The maximum study drug dose was capped at 2.2 mg/kg for Cohorts A through D, and at 2.5 mg/kg for Cohorts E and F onwards.</li> </ul>
<p><b>Dose Adjustments for Excessive Hematopoiesis:</b></p>
<ul style="list-style-type: none"> <li>First 21 days of Treatment Period: if, at Day 22 or earlier, Hb has increased &gt;1.5 g/dL from the baseline Hb value, reduce dose by approximately 50% of the initial dose</li> </ul>
<ul style="list-style-type: none"> <li>At any time during the Treatment Period: if Hb increases by &gt;2.0 g/dL in 2 weeks, dose should be reduced by approximately 50%. If more than one dose reduction rule applies, the rule that requires the largest dose reduction supersedes all other dose adjustment rules.</li> </ul>
<ul style="list-style-type: none"> <li>If Hb &gt;14 g/dL, dose was held and resumed at two dose steps below after Hb had declined below 12 g/dL.</li> </ul>

**Supplemental Table 3: Schedule of Assessments and Extent of Missing Data**

Day Weeks	Scr	Scr	1	8	15	22	29	36	43	50	57	64	71	78	85	92	99	106	113	120	127	134	141	148	155	162	169	2 weeks	4 weeks	N	% missing data*				
	1	2	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	post-EOT	post-EOT		mean (SD)	median	IQR	range	
Hb	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	143	6.3 (14.7)	0	0 - 6	0 - 88
Serum Iron	x		x								x								x											x	143	11.4 (16.7)	0	0 - 25	0 - 75
TSAT	x		x								x								x											x	143	11.5 (16.8)	0	0 - 25	0 - 75
Ferritin	x		x								x								x											x	143	12.1 (17.3)	0	0 - 25	0 - 75
TIBC	x		x								x								x											x	143	11.7 (16.8)	0	0 - 25	0 - 75
sTfR			x								x								x											x	138	11.7 (17.3)	0	0 - 25	0 - 75
CHr			x								x								x											x	136	13.5 (18.8)	0	0 - 25	0 - 75
MCV	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	143	6.3 (14.7)	0	0 - 6	0 - 88
Platelets	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	143	7.1 (14.8)	0	0 - 8	0 - 88
TC			x								x								x											x	143	11.2 (16.7)	0	0 - 25	0 - 75
HDL-C			x								x								x											x	30	37.8 (15.6)	50	25 - 50	0 - 50
LDL-C			x								x								x											x	30	38.6 (15.6)	50	25 - 50	0 - 50
Hepcidin			x								x								x											x	137	12.7 (20.1)	0	0 - 25	0 - 75
CRP			x								x								x											x	137	11.9 (18.0)	0	0 - 25	0 - 75

The 17-24 week time points were for Cohorts C-F, as Cohorts A & B were treated with roxadustat for 16 weeks only. Abbreviations: Scr 1, first screening visit; Scr 2, second screening visit; EOT, end of treatment; Hb, hemoglobin; TSAT, transferrin saturation, TIBC, total iron binding capacity; sTfR, soluble transferrin receptor; CHr, reticulocyte Hb content; MCV, microcorpuscular volume; TC, total cholesterol; HDL-C, high density lipoprotein-associated cholesterol; LDL-C, low density lipoprotein-associated cholesterol; CRP, c-reactive protein. N refers to total number of evaluable patients. \*The % of missing data is first assessed on a per-patient basis by lab parameter for the treatment period (Weeks 0-16 for Cohorts A & B and Weeks 0-24 for Cohorts C-F) using the formula: % missing = (# of observations available for analysis) ÷ (# of observations expected). Then the data are summarized across all patients by parameter. For example, under % missing data for Hb, the mean represents the percent of observations missed averaged over all N patients with a range of 0-88% but an IQR of only 0-6%. Since efficacy evaluable subjects could be established as quickly as after 2 weeks of treatment, subjects who dropped out early for whatever reason would have the largest percent of missing values.

**Supplemental Table 4: Change from Baseline in Iron Utilization Parameters in Efficacy-Evaluable Population Overall**

Mean (SD) Levels	Baseline (n=143)	Change from Baseline			
		16 Weeks (n=103)	P- Value	EOS (n=122)	P-Value
Hepcidin (ng/mL) <sup>1</sup>	119.7 (107.6)	-27.7 (107.2)	0.004	21.7 (94.9)	0.017
Serum iron (µg/dL)	64.0 (21.7)	1.1 (30.0)	n. s.	14.3 (25.6)	<0.001
TSAT (%)	22.0 (7.7)	-2.7 (8.6)	0.002	4.3 (8.3)	<0.001
Ferritin (ng/mL) <sup>2</sup>	278 (246)	-85.9 (112.6)	<0.001	-45 (113)	<0.001
TIBC (µg/dL) <sup>3</sup>	261.5 (50.7)	40.4 (41.0)	<0.001	5.3 (35.7)	n. s.
MCV (fL) <sup>4</sup>	93.4 (6.1)	1.2 (4.5)	0.001	0.1 (4.6)	n. s.
CHr (pg) <sup>5</sup>	30.7 (2.4)	0.2 (2.0)	n. s.	1.3 (1.7)	<0.001
Platelets (x10 <sup>9</sup> /L) <sup>6</sup>	255 (88)	-12.5 (61.2)	0.008	-26.0 (52.3)	<0.001

All cohorts were combined. Baseline is defined as the mean of the last three available values pre-1<sup>st</sup> dose. P-values are from ANOVA model comparing change from BL with zero utilizing the pooled variance from all groups. EOS (end of study) was 4 weeks post-end of treatment. <sup>1</sup>n=137, 102, and 116, respectively. <sup>2</sup>n=143, 103, and 123, respectively. <sup>3</sup>TIBC: total iron binding capacity, n=145, 102, and 122 (Safety Population), respectively. <sup>4</sup>n=143, 128, and 127, respectively. <sup>5</sup>n=136, 96, and 117, respectively. <sup>6</sup>n=143, 128 and 128, respectively.

**Supplemental Table 5: Number (%) of Subjects with Treatment-Emergent Serious Adverse Events by System Organ Class and Preferred Term**

	<b>Cohort A</b>	<b>Cohort B</b>	<b>Cohort C</b>	<b>Cohort D</b>	<b>Cohort E</b>	<b>Cohort F</b>	<b>Total</b>
<b>System Organ Class*</b>	<b>(N=24)</b>	<b>(N=24)</b>	<b>(N=24)</b>	<b>(N=24)</b>	<b>(N=24)</b>	<b>(N=25)</b>	<b>(N=145)</b>
<b>Preferred Term^</b>	<b>n (%)</b>	<b>n (%)</b>	<b>n (%)</b>	<b>n (%)</b>	<b>n (%)</b>	<b>n (%)</b>	<b>n (%)</b>
<b>Number of Subjects with SAEs</b>	<b>3 (12.5)</b>	<b>4 (16.7)</b>	<b>4 (16.7)</b>	<b>4 (16.7)</b>	<b>10 (41.7)</b>	<b>10 (40.0)</b>	<b>35 (24.1)</b>
<b>Cardiac Disorders</b>	<b>1 (4.2)</b>	<b>0</b>	<b>2 (8.3)</b>	<b>1 (4.2)</b>	<b>1 (4.2)</b>	<b>5 (20.0)</b>	<b>10 (6.9)</b>
Cardiac Failure Congestive	0	0	1 (4.2)	1 (4.2)	0	3 (12.0)	5 (3.4)
Cardio-Respiratory Arrest	0	0	1 (4.2)	0	1 (4.2)	0	2 (1.4)
Acute Myocardial Infarction	1 (4.2)	0	0	0	0	0	1 (0.7)
Atrial Fibrillation	0	0	0	0	0	1 (4.0)	1 (0.7)
Myocardial Infarction	0	0	0	0	0	1 (4.0)	1 (0.7)
<b>Renal and Urinary Disorders</b>	<b>0</b>	<b>1 (4.2)</b>	<b>1 (4.2)</b>	<b>1 (4.2)</b>	<b>2 (8.3)</b>	<b>2 (8.0)</b>	<b>7 (4.8)</b>
Renal Failure Acute	0	1 (4.2)	1 (4.2)	0	1 (4.2)	1 (4.0)	4 (2.8)
Renal Failure Chronic	0	0	0	1 (4.2)	0	1 (4.0)	2 (1.4)
Renal Impairment	0	0	0	0	1 (4.2)	0	1 (0.7)
<b>Gastrointestinal Disorders</b>	<b>1 (4.2)</b>	<b>0</b>	<b>1 (4.2)</b>	<b>1 (4.2)</b>	<b>2 (8.3)</b>	<b>1 (4.0)</b>	<b>6 (4.1)</b>
Pancreatitis	1 (4.2)	0	0	1 (4.2)	1 (4.2)	0	3 (2.1)
Abdominal Pain Lower	0	0	1 (4.2)	0	0	0	1 (0.7)
Diabetic Gastroparesis	0	0	1 (4.2)	0	0	0	1 (0.7)
Haematemesis	0	0	0	0	1 (4.2)	0	1 (0.7)
Pancreatitis Acute	0	0	0	0	0	1 (4.0)	1 (0.7)
<b>Infections and Infestations</b>	<b>1 (4.2)</b>	<b>1 (4.2)</b>	<b>0</b>	<b>0</b>	<b>1 (4.2)</b>	<b>3 (12.0)</b>	<b>6 (4.1)</b>
Cellulitis	0	0	0	0	1 (4.2)	2 (8.0)	3 (2.1)
Abscess	0	0	0	0	0	1 (4.0)	1 (0.7)
Bronchopneumonia	1 (4.2)	0	0	0	0	0	1 (0.7)
Pneumonia	0	1 (4.2)	0	0	0	0	1 (0.7)
<b>Metabolism and Nutrition Disorders</b>	<b>0</b>	<b>0</b>	<b>1 (4.2)</b>	<b>1 (4.2)</b>	<b>1 (4.2)</b>	<b>3 (12.0)</b>	<b>6 (4.1)</b>
Hyponatraemia	0	0	1 (4.2)	1 (4.2)	0	1 (4.0)	3 (2.1)
Diabetic Ketoacidosis	0	0	0	0	1 (4.2)	1 (4.0)	2 (1.4)
Hyperglycaemic Hyperosmolar Nonketotic Syndrome	0	0	0	0	0	1 (4.0)	1 (0.7)

	<b>Cohort A</b>	<b>Cohort B</b>	<b>Cohort C</b>	<b>Cohort D</b>	<b>Cohort E</b>	<b>Cohort F</b>	<b>Total</b>
<b>System Organ Class*</b>	<b>(N=24)</b>	<b>(N=24)</b>	<b>(N=24)</b>	<b>(N=24)</b>	<b>(N=24)</b>	<b>(N=25)</b>	<b>(N=145)</b>
Preferred Term <sup>^</sup>	<b>n (%)</b>	<b>n (%)</b>	<b>n (%)</b>	<b>n (%)</b>	<b>n (%)</b>	<b>n (%)</b>	<b>n (%)</b>
<b>Respiratory, Thoracic and Mediastinal Disorders</b>	<b>1 (4.2)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1 (4.2)</b>	<b>3 (12.0)</b>	<b>5 (3.4)</b>
Acute Respiratory Failure	0	0	0	0	0	1 (4.0)	1 (0.7)
Dyspnoea	0	0	0	0	1 (4.2)	0	1 (0.7)
Epistaxis	0	0	0	0	0	1 (4.0)	1 (0.7)
Pulmonary Embolism	1 (4.2)	0	0	0	0	0	1 (0.7)
Pulmonary Oedema	0	0	0	0	0	1 (4.0)	1 (0.7)
Respiratory Failure	1 (4.2)	0	0	0	0	0	1 (0.7)
<b>Nervous System Disorders</b>	<b>0</b>	<b>1 (4.2)</b>	<b>0</b>	<b>1 (4.2)</b>	<b>1 (4.2)</b>	<b>1 (4.0)</b>	<b>4 (2.8)</b>
Brain Stem Infarction	0	0	0	1 (4.2)	0	0	1 (0.7)
Cerebellar Infarction	0	0	0	0	0	1 (4.0)	1 (0.7)
Subarachnoid Haemorrhage	0	1 (4.2)	0	0	0	0	1 (0.7)
Syncope	0	0	0	0	1 (4.2)	0	1 (0.7)
<b>Injury, Poisoning and Procedural Complications</b>	<b>0</b>	<b>1 (4.2)</b>	<b>0</b>	<b>1 (4.2)</b>	<b>0</b>	<b>1 (4.0)</b>	<b>3 (2.1)</b>
Contusion	0	1 (4.2)	0	0	0	0	1 (0.7)
Foreign Body	0	1 (4.2)	0	0	0	0	1 (0.7)
Spinal Fracture	0	0	0	1 (4.2)	0	0	1 (0.7)
Toxicity To Various Agents	0	0	0	0	0	1 (4.0)	1 (0.7)
<b>Ear and Labyrinth Disorders</b>	<b>0</b>	<b>1 (4.2)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1 (0.7)</b>
Vertigo	0	1 (4.2)	0	0	0	0	1 (0.7)
<b>General Disorders and Administration Site Conditions</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1 (4.2)</b>	<b>0</b>	<b>1 (0.7)</b>
Death	0	0	0	0	1 (4.2)	0	1 (0.7)
<b>Hepatobiliary Disorders</b>	<b>1 (4.2)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1 (0.7)</b>
Cholecystitis	1 (4.2)	0	0	0	0	0	1 (0.7)
<b>Musculoskeletal and Connective Tissue Disorders</b>	<b>0</b>	<b>1 (4.2)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1 (0.7)</b>
Muscular Weakness	0	1 (4.2)	0	0	0	0	1 (0.7)
<b>Neoplasms Benign, Malignant and Unspecified (Incl Cysts and Polyps)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1 (4.2)</b>	<b>0</b>	<b>1 (0.7)</b>
Colon Cancer <sup>#</sup>	0	0	0	0	1 (4.2)	0	1 (0.7)
<b>Vascular Disorders</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1 (4.2)</b>	<b>0</b>	<b>1 (0.7)</b>
Hypotension	0	0	0	0	1 (4.2)	0	1 (0.7)



\* Multiple events within a MedDRA system organ class for the same subject are counted only once when totaled within that system organ class.

^ Multiple events within a MedDRA preferred term for the same subject are counted only once when presented for that MedDRA term.

# This subject had a positive fecal occult blood test prior to study entry, but colonoscopy was not performed until Study Week 7 when the subject was diagnosed with adenocarcinoma of the colon with the appearance of an apple-core sized mass. Considering the advanced state of the cancer, the onset of the cancer was likely to pre-date study participation.

**Supplemental Table 6: Additional Detail on Deaths that Occurred During the Study\***

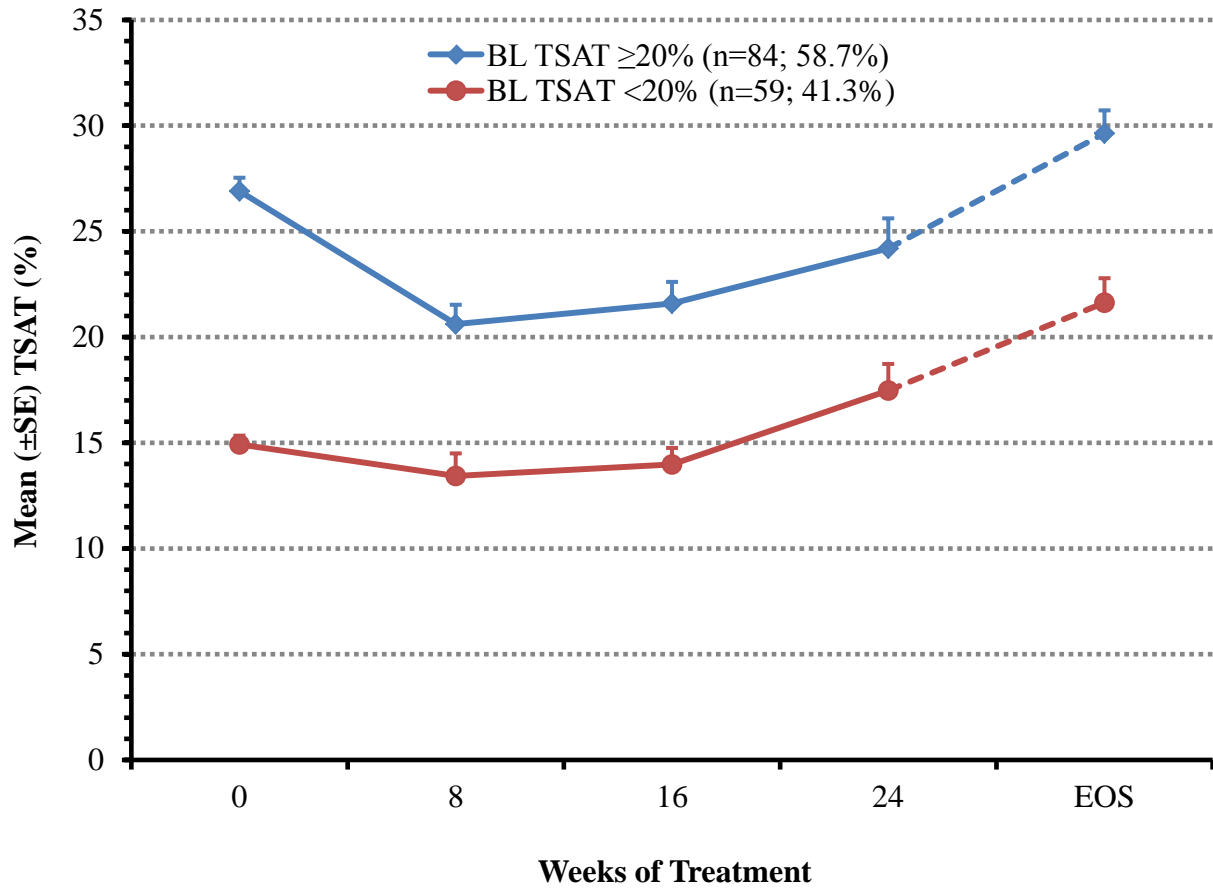
<p>A 68-year-old subject with significant history of coronary artery disease died of a suspected pulmonary embolism while hospitalized for pneumonia, myocardial infarction and respiratory failure.</p>
<p>A 71-year-old subject with a recent history of myocardial infarction and ventricular tachycardia, who died of a cardiopulmonary arrest 3 days after randomization was found to have elevated cardiac bioenzymes (CKD-MB) in blood sampled just prior to first dose of roxadustat.^</p>
<p>A 62-year-old subject with a history of asthma, diabetes, hypertension, and hypothyroidism died unwitnessed in her sleep; the cause of death was attributed to her comorbidities.</p>
<p>A 72-year-old subject with a history of hypertension and chronic obstructive pulmonary disease died of a cardiopulmonary arrest from ischemic heart disease.</p>
<p>A 77-year-old subject with a history of diabetes, coronary artery disease, and hypertension died as a result of a cerebellar infarct, who presented acutely during the follow-up period, more than 2 weeks after uneventful completion of 24 weeks of treatment, and subsequent pulmonary edema, and respiratory failure.</p>

\*None of the deaths was considered related to study drug.

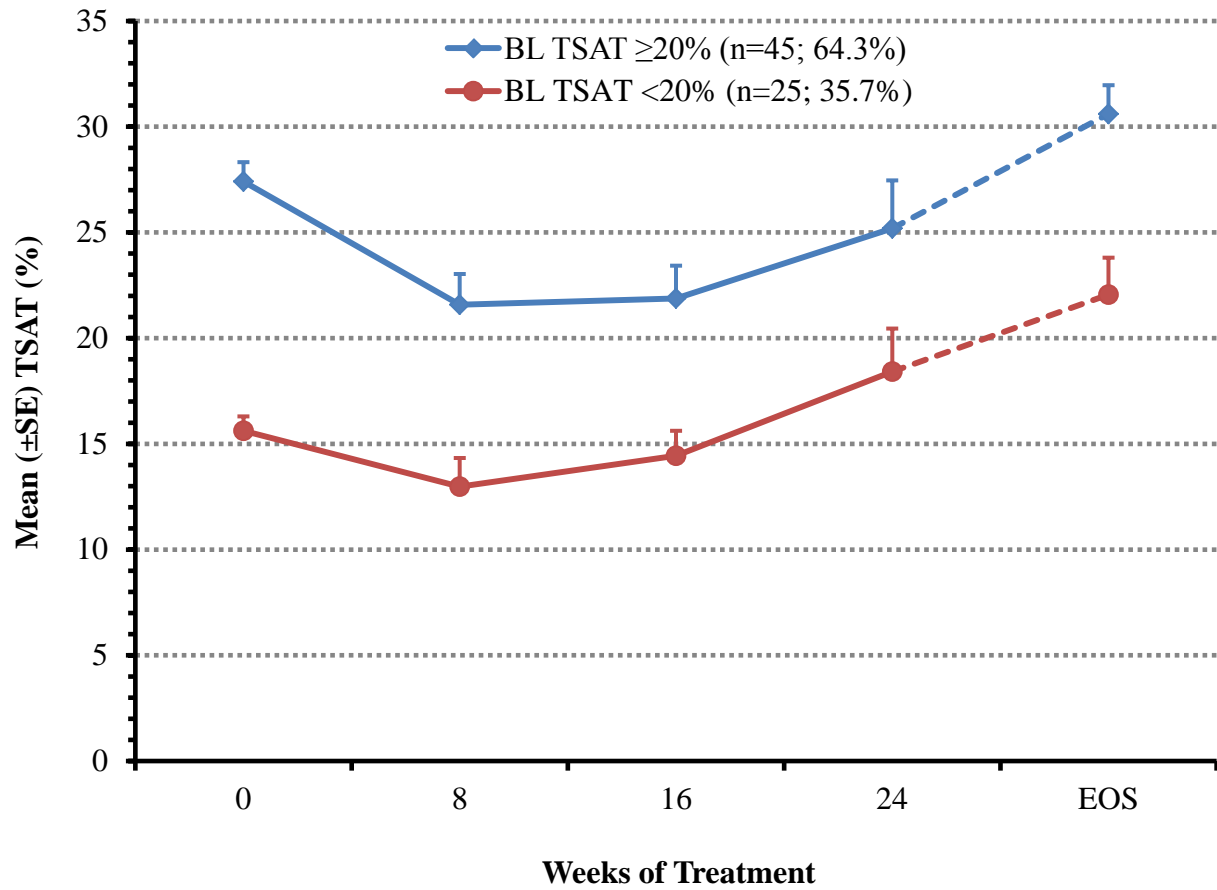
^ This subject was reported to have died on Study Day 3 after taking one dose of roxadustat on Day 1. Retrospectively measured, an elevation of creatine kinase-MB fraction prior to randomization supported the onset of the myocardial infarction prior to initiation of study drug.

**Supplemental Figure 1: Iron Parameters Over Time by Subgroup Based on BL Values  
(EE Population, LOCF)**

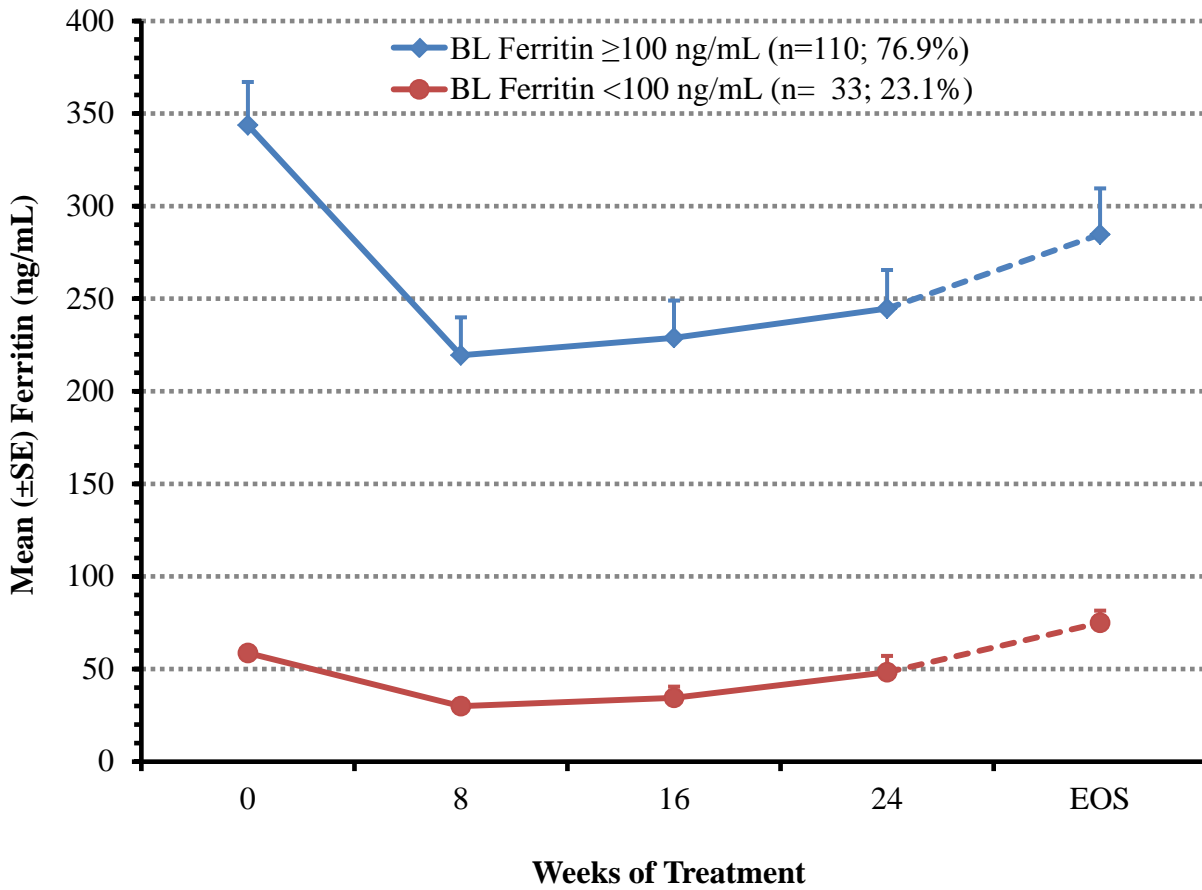
**A: TSAT Over Time Among All Cohorts**



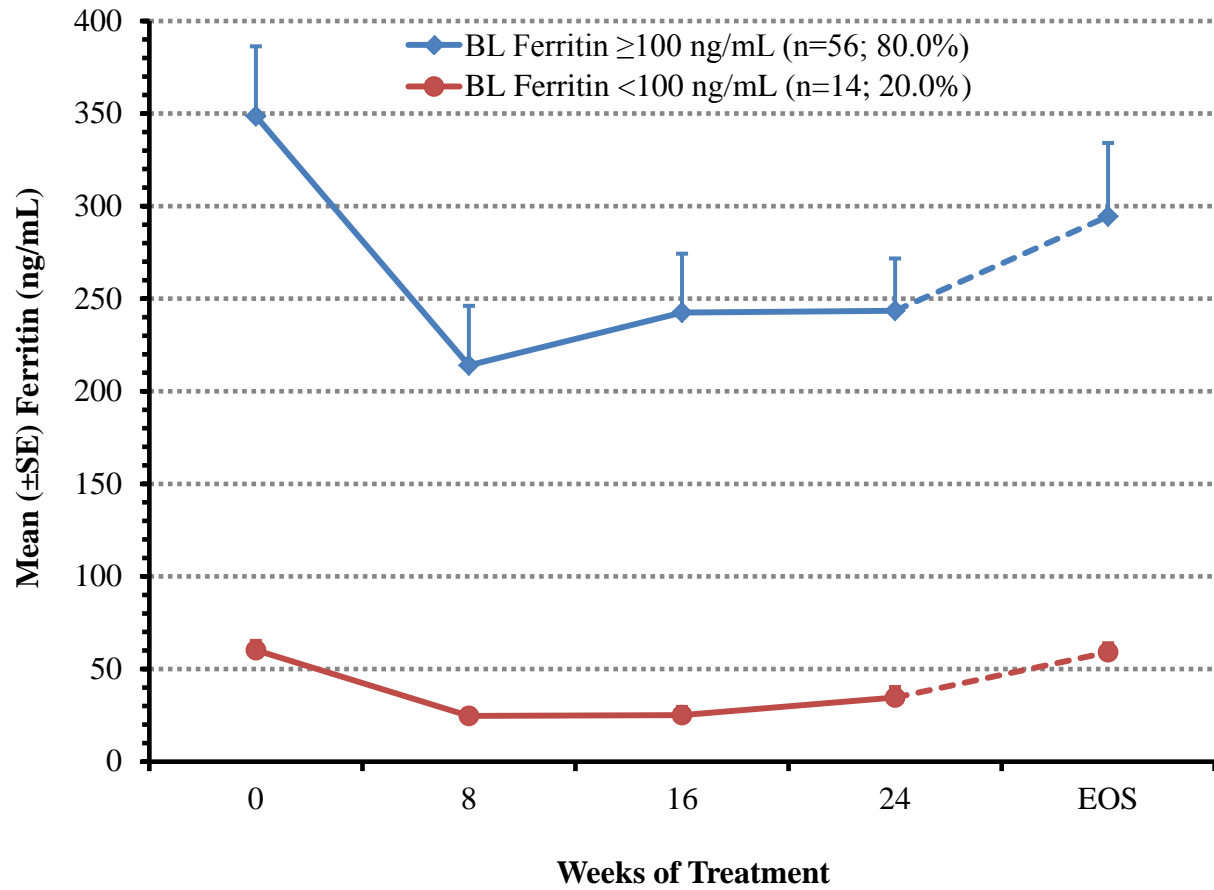
**B: TSAT Over Time By Cohort Receiving TIW Dosing (A, C, and D)**



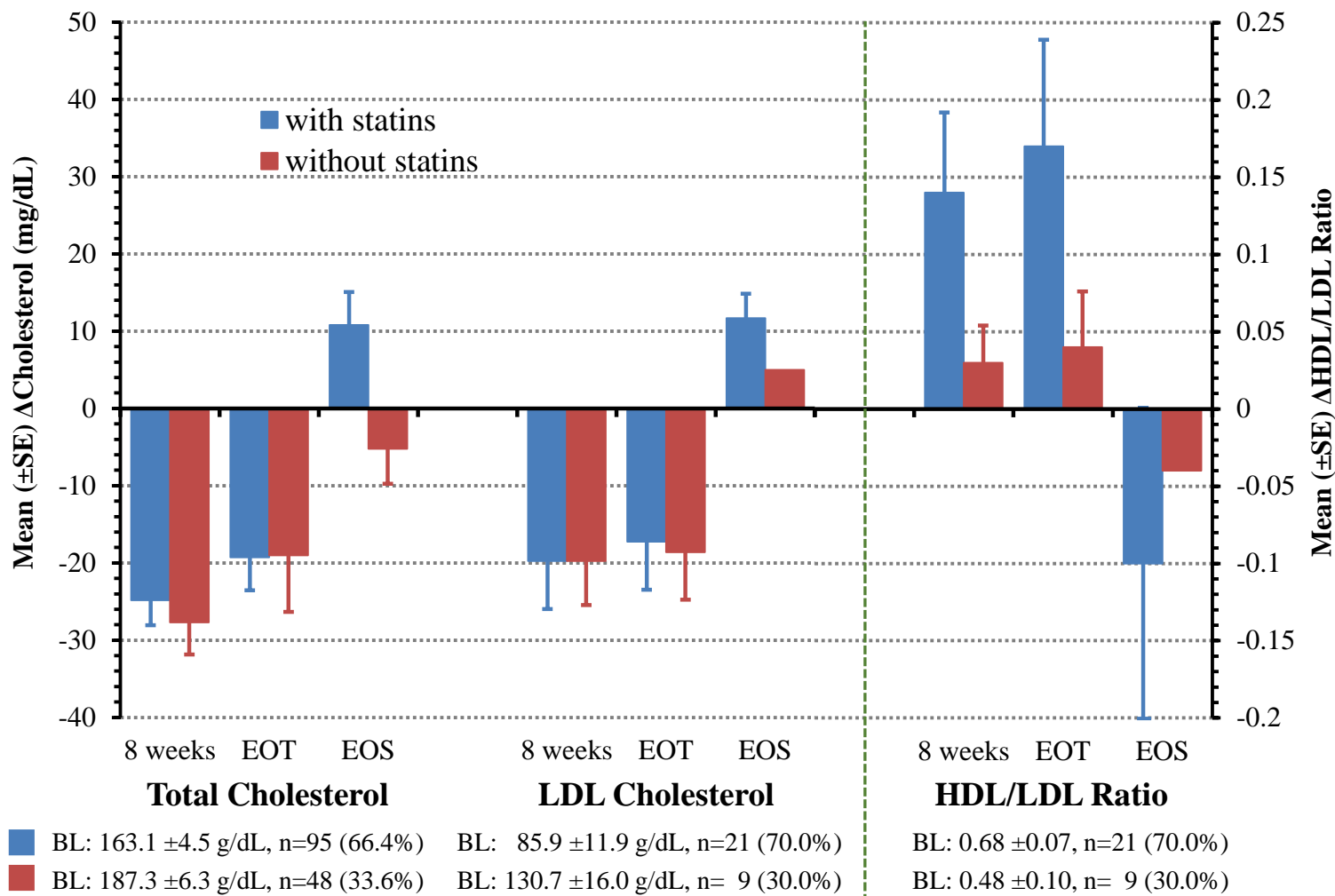
C: Ferritin Over Time Among All Cohorts



**D:** Ferritin Over Time Among Cohorts Receiving TIW Dosing (A, C, and D)



**Supplemental Figure 2: Changes in Mean Total and LDL Cholesterol and HDL/LDL Ratio Among Subjects Receiving and Not Receiving Concomitant Lipid-Lowering Treatment with Statins (Efficacy-Evaluable Population, LOCF)**



$\Delta$ Cholesterol denotes change from baseline in plasma cholesterol.