August 25, 2025

RE: Post-publication concern regarding "Longitudinal Data From the KETO-CTA Study: Plaque Predicts Plaque, ApoB Does Not" (Soto-Mota et al. JACC: Advances, 2025; doi:10.1016/j.jacadv.2025.101686)

Dear Dr. Silversides,

I am submitting a post-publication concern regarding the article cited above. Because the findings could inform lipid-management decisions, accurate statistical reporting is essential. An independent re-analysis (code and figure checks) identifies material issues that may mislead readers. I respectfully request editorial assessment and correction.

Each concern is documented with evidence and reproduced checks in the attached Appendix (with code in the repository).

Critical issues

- Incorrect Figure scales/IQR (C1–C3): Fig 1B y-axis is 0–10% while data span 0–20% (halves magnitude); Fig 1A–B IQR band conflicts with the stated sample IQR (lower bound of band dips <0%); Fig 2E–F y-axis should be –1 to 6 (not –1 to 4)
- Claims exceed reported models (C4): "No association" is asserted without reporting key models: Δ-TPS ~ ApoB; Δ-TPS ~ LDL-C; Δ-TPS ~ LDL-exposure
- Linear-model assumptions violated (C5): Change-score regressions fail ≥ 2 diagnostics (e.g., BP p<0.001; Shapiro-Wilk p<0.001)

Major issues

- (i) **Model strategy** (M1): Standard plaque progression analyses model follow-up on baseline + covariates (ANCOVA)^{1,2}. The manuscript instead uses univariable change-score models, which are less interpretable and can be biased.^{3,4} Notes on exploratory framing, multiplicity, and "predicts" vs "associative" wording are in Appendix.
- (ii) **Bayes factors** (M2): Not described a priori; uses r-scale = 0.8, described as "moderately informative" yet above the package's ultrawide setting, without sensitivity analysis, and treats Bayes factors as posterior probabilities.^{5–7}
- (iii) **Age mediation** (M3): Age is a confounder; treating it as a mediator while conditioning on CAC (downstream) is inconsistent with mediation.⁸

Additional items are detailed in the Appendix.

Requested editorial actions

- 1. **Figure corrections**: Replot Figures 1A–1B and 2E–2F with correct y-axes and IQR shading; verify all figure captions against the underlying data.
- 2. Analyses & reporting: Make ANCOVA (follow-up ~ baseline + exposure + covariates) the primary analysis; report , 95% CI, diagnostics; either remove Bayes-factor claims or document prespecification and sensitivity.
- 3. **Independent statistical review**: Given the scope of figure and modelling issues, I respectfully request that the journal obtain an external statistical review and, depending on the findings, issue the appropriate notice (e.g., Author Correction or stronger).

 $\begin{tabular}{ll} \textbf{Materials provided:} Appendix (included below); reproducibility repository: $$https://github.com/SloughJE/keto-cta-audit \end{tabular}$

I have no conflicts of interest related to this work and am available to provide any additional information.

Sincerely,

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Appendix

Summary Table of Critical and Major Issues

ID	Area	Core issue	Severity	Ref.
C1–C	3 Figures	Incorrect y-axis (Fig 1B, 2E-F); incorrect IQR shading (1A-B)	Critical	C1, C2, C3
C4	Results claims	Claims exceed reported models; Δ -TPS models missing	Critical	C4
C5	Model diagnostics	Linear-model assumptions violated	Critical	C5
M1	Model strategy & multiplicity	Univariable Δ focus; no multiplicity; predictive wording	Major	M1
M2	Methods (Bayes)	Multiple BF issues (r-scale, no sensitivity, misinterpretation)	Major	M2
M3	Age "mediation" analysis	Age is a confounder; CAC downstream of exposure	Major	M3

Data provenance. Individual-level plaque metrics used for reproductions were obtained from the Citizen Science Foundation keto-CTA repository (accessed Aug 23, 2025).⁹

Critical (C1-C5)

C1 and C2 reference panels from Figure 1 Individual Change in Plaque Volume of the published article (p. 6); left-hand images are published panels, right-hand images are reproductions.

C1 — Figure 1B: y-axis labeled 0-10% while data span 0-20%

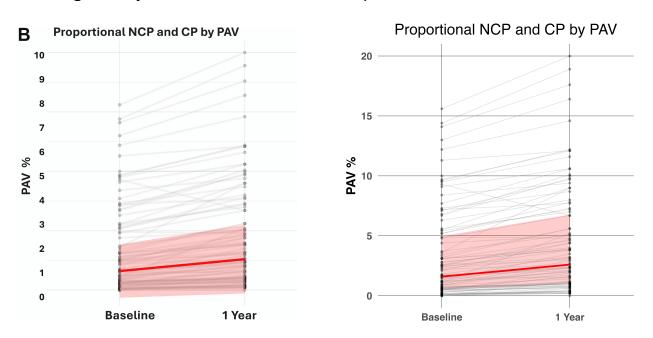


Figure 1: Left: published (axis 0–10%; IQR band mismatched). Right: reproduced (axis 0–20%; IQR $\approx 0.3\%$ –1.7%).

Issue (objective error). The published panel's y-axis is labeled 0–10% while the plotted scale and data span 0–20%.

The reproduction uses the correct 0–20% range. The underlying data are unchanged.

Requested correction. Update the Figure 1B y-axis label to 0–20%.

C2 — Figures 1A & 1B: shaded IQR band incorrect; caption unclear

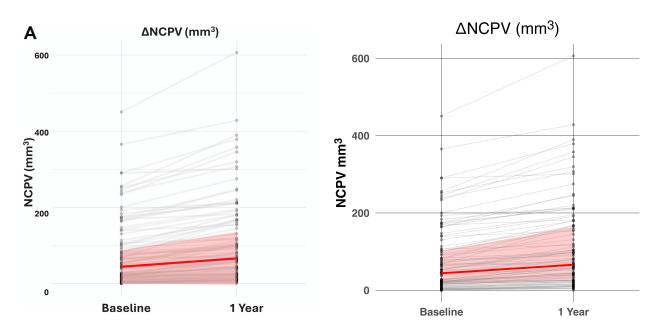


Figure 2: Left: published (IQR shading does not match the sample IQR). Right: reproduced (median $\approx 18.9 \text{ mm}^3$; IQR $\approx 9.3\text{-}47.0 \text{ mm}^3$).

Issue (objective error). The shaded IQR band conflicts with the reported sample IQRs. The shaded band is described as the interquartile range (IQR) of **change** (median 0.8%, IQR 0.3%-1.7%). If so, the band should lie entirely **above 0%** (the 25th percentile is 0.3%). In the published panels the band is anchored at 0% in Figure 1A and dips **below 0%** in Figure 1B, which is inconsistent with the reported quantiles and cannot occur if the band truly represents the IQR of paired change.

In both panels, the published shaded band differs materially from the reproduced band that plots the IQR of *paired* within-person change: the published band is anchored at (1A) or dips below (1B) 0%, whereas the reproduced band lies entirely above 0% and matches the stated quantiles. This indicates the published shading is not the IQR of paired change.

Requested correction.

- 1. Re-compute and plot the interquartile range of paired within-person change from baseline to 1 year (25th-75th percentiles).
- 2. Revise the caption for both panels to read: "The red line shows the median paired change from baseline to 1 year; the shaded band shows the interquartile range (25th–75th percentiles) of paired change from baseline to 1 year."

C3 — Figures 2D-2F: y-axis labeled -1 to 4 while data span -1 to 6

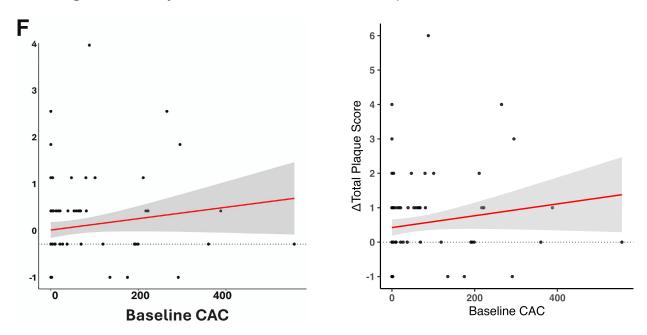


Figure 3: Left: published (y-axis **labeled** -1-4 while the plotted range/ticks correspond to **-1-6**). Right: reproduced (axis -1-6); OLS $lm(y \sim x)$ line with SE band.

Issue (objective error). Axis shown as -1 to 4; underlying data require -1 to 6. Similar to Figure 1B, Panel 2F published panel's y-axis label is inconsistent with the plotted scale. The label indicates (-1)-4, but the scale used is (-1)-6 (all data are shown). The same mislabeling is visible in panels **2D** and **2E** (not shown). This can mislead readers about the plotted domain and relative spread.

Requested correction.

Correct the y-axis **label** to reflect the actual plotted range in each panel (e.g., (-1)-6).

Panels 2D and 2E exhibit the same label-range mismatch; 2F is shown as the example.

C4 — Conclusions exceed support from reported models

Quoted claims (paper):

"In lean metabolically healthy people on KD, neither total exposure nor changes in baseline levels of ApoB and LDL-C were associated with changes in plaque." (p. 1)

"... no association between NCPV vs LDL-C or ApoB and **TPS** vs LDL-C or ApoB." (p. 6)

"changes in and baseline levels of ApoB were not associated with changes in NCPV or TPS as measured by CCTA." (p. 8)

Issue (objective error). These statements bundle multiple non-equivalent associations: change vs. exposure vs. baseline level as predictors, and NCPV and TPS as separate outcomes, each requiring its own prespecified model; several of those models are not reported. The audit table below maps each claim to the model it implies and whether it was reported.

Claim \rightarrow model \rightarrow reported? (audit checklist):

Abstract/Results component	Required model (example)	Reported in paper?
Δ -plaque vs Δ LDL-C	Δ -NCPV ~ Δ -LDL-C	Not reported
Δ -plaque vs LDL-C exposure	Δ -NCPV ~ LDL-C exposure	Not reported
Δ -plaque vs LDL-C baseline	Δ -NCPV ~ LDL-C baseline	Not reported
Δ -plaque vs Δ ApoB	Δ -NCPV ~ Δ -ApoB	Reported
Δ -plaque vs ApoB exposure	Δ -NCPV ~ ApoB exposure	Not reported
Δ -plaque vs ApoB baseline	Δ -NCPV ~ ApoB baseline	Reported
Δ -TPS vs LDL-C / ApoB /	Δ -TPS ~ (LDL-C or ApoB or	Not reported
exposure	exposure)	

A review of the paper's Model Results table confirms these omissions: the Model Results table lists selected Δ -NCPV regressions but does not include any Δ -TPS regressions or models using LDL-C baseline or ApoB exposure as independent variables. They are also not present in any supplementary material.

	β	P Value	R ²	BF
Estimated LDL-C exposure				
$NCPV_{final} \sim LDL-C_{exp}$	0.00	0.88	-0.01	(01) 9.9
PAV _{final} ∼ LDL-C _{exp}	0.00	0.73	-0.01	(01) 9.1
АроВ				
ΔNCPV ~ ΔApoB	0.01	0.91	-0.01	(01) >10.0
ΔNCPV ~ ApoB	0.06	0.33	-0.00	(01) 6.3
Plaque Metrics				
ΔNCPV ∼ CAC _{bl}	0.18	< 0.001	0.33	(10) >10.0 ^a
Δ NCPV ~ NCPV _{bl}	0.25	< 0.001	0.49	(10) >10.0 ^a
ΔNCPV ∼ PAV _{bl}	5.5	< 0.001	0.43	(10) >10.0 ^a
Δ NCPV \sim TPS _{bl}	7.4	< 0.001	0.37	(10) >10.0 ^a
Δ NCPV ~ CAC _{bl} * Δ ApoB				
CAC _{bl}	0.18	< 0.001	0.33	N/A
ΔΑροΒ	0.08	0.20	N/A	N/A
CAC _{bl} : ΔApoB	-0.00	0.23	N/A	N/A
Saturated fat				
Δ NCPV \sim Saturated fat intake	-0.05	0.77	-0.01	(01) 9.8
ApoB ∼ Saturated fat intake	-0.03	0.90	-0.01	(01) >10.0
Age mediation analysis				
NCPV _{final} ∼ Age	3.0	0.004	0.07	(01) 0.3
$NCPV_{final} \sim Age + Life-LDL-C_{exp}$	1.93 0.01	0.13 0.16	0.07	(01) 0.3 0.3
NCPV _{final} ∼ Age + Life-LDL-C _{exp} + CAC _{bl}	0.02 0.01 0.73	0.98 0.15 <0.001	0.47	(01) 2.7 3.1 >10.0

^aModels on CAC are provided for the alternative hypothesis (10). All other models are provided for the null hypothesis (01).

Figure 4: C4a. "Model Results" / from Table 3 excerpt — no Δ TPS models are reported.

 $[\]beta$ = estimate (slope magnitude); Δ NCPV = change in noncalcified plaque volume; Δ PoB = apolipoprotein B; Δ PoB = ApoB on a ketogenic diet; Δ ApoB = ApoB change during the study; BF = Bayes factor; Δ CA_{bl} = CAC at baseline; LDL-C_{exp} = LDL-C exposure while on a ketogenic diet (mean 5.7 y); Life-LDL-C_{exp} = LDL-C exposure over life course to date; NCPV_{finat} = noncalcified plaque volume at the end of the study; PAC = percent atheroma volume; R^2 = squared correlation coefficient (explained variability); TPS_{finat} = total plaque score at the end of the study; other abbreviations as in Table 1.

Requested correction: Provide fitted models (coefficients, CIs, diagnostics) for all claimed relationships, especially Δ -TPS vs LDL-C/ApoB/exposure, or amend the conclusions.

C5 — Model assumptions: diagnostics indicate violations

Scope. Only plaque metrics were available to audit (CAC, NCPV, TPS, PAV; see **Data provenance**), so lipid/demographic covariates (ApoB, LDL-C, age, sex, BP) were not available. Four univariable change-score models were tested: Δ NCPV \sim CAC $_{bl}$, Δ NCPV \sim NCPV $_{bl}$, Δ NCPV \sim PAV $_{bl}$, Δ NCPV \sim TPS $_{bl}$.

Quoted claim (paper).

"All linear model assumptions were corroborated with the R function performance::check_model." (p. 3)

Issue (objective error). Diagnostics on the reported Δ NCPV models fail ≥ 2 tests (e.g., Breusch-Pagan p < 0.001, Shapiro-Wilk p < 0.001, RESET p < 0.001), contradicting the manuscript's assertion that assumptions were met.

Model	β	Linearity	Constant Variance	Residual Normality
ΔNCPV ~ CAC _{bl}	$\beta = 0.18$ $p = < 0.001$	Violation p = 0.031	Violation p = 0.001	Violation p = <0.001
ΔNCPV ~ NCPV _{bl}	$\beta = 0.25$ $p = < 0.001$	OK p = 0.198	Violation p = <0.001	Violation p = <0.001
ΔNCPV ~ PAV _{bl}	$\beta = 5.48$ $p = < 0.001$	Borderline $p = 0.050$	Violation p = <0.001	Violation p = <0.001
ΔNCPV ~ TPS _{bl}	$\beta = 7.37$ $p = < 0.001$	OK p = 0.132	Violation p = <0.001	Violation p = 0.001

Figure 5: C5a. Objective tests for four Δ NCPV models; each fails ≥ 2 assumptions.

Context (published letter). A letter to the editor questioned model assumptions, noting median/IQR summaries (skewed distributions), clustering with no clear linear trend in scatterplots, and the absence of reported diagnostics¹⁰.

Results of diagnostics. Breusch–Pagan rejected homoscedasticity in all four models (p \leq 0.001); Shapiro–Wilk rejected residual normality in all four (p \leq 0.001); RESET indicated misspecification for Δ NCPV \sim CAC $_{bl}$ (p = 0.031) and was borderline for Δ NCPV \sim PAV $_{bl}$ (p = 0.050). Each model fails at least assumption checks. Accordingly, the blanket statement that "all assumptions were corroborated" is not supported for these models.

Generalizability. These checks cover plaque-only change-score regressions because of data availability. Given the similar functional form and residual structure, similar violations are plausible for other reported change-score regressions (e.g., with ApoB/LDL-C), but cannot be verified without those covariates.

Author response (post-publication). In a response to the letter to the editor regarding model assumptions, the authors stated that they reran all models using robust linear regression (MASS::rlm) and that estimates were "consistent" with the published results¹¹.

Assessment. M-estimator robust regression (e.g., MASS::rlm) downweights outliers/heavy tails but does not remedy nonlinearity, heteroskedasticity, or non-normal residuals; it also

does not supply standard p-values by default. Appropriate fixes require model specification (e.g., splines/transformations) and, where variance is non-constant, heteroskedasticity-consistent (HC/sandwich) SEs. Robust regression alone does not address the violations indicated here. ^{12,13}

Requested correction. Report assumption checks for all fitted models; where violations occur, fit appropriately specified models (e.g., baseline-adjusted follow-up with nonlinear terms; transformations where justified; HC/sandwich SEs) rather than relying solely on robust regression, and include diagnostics with the corrected analyses.

Major (M1-M3)

M1 — Model strategy, multiplicity, and claim wording

"Linear models on the primary (NCPV) and secondary outcomes were univariable" (p. 3)

Evidence (paper). Methods describe univariable linear models; Table 3 and accompanying text report numerous univariable regressions across outcomes/exposures. The narrative alternates between "predicts/predictor" and "associated with," with a single late "exploratory" caveat in the conclusion. No baseline-adjusted follow-up models (ANCOVA) or prespecified covariate set are reported.

Issue (affects interpretation).

- Primary reliance on univariable change-score models invites confounding (e.g., age, sex) and mathematical coupling with baseline^{3,4}; Δ compounds measurement error and reduces power. Baseline imbalance and regression-to-the-mean can inflate, attenuate, or reverse associations.¹⁴
- The approach departs from standard practice^{1,2} for progression analyses , where follow-up is modeled as a function of baseline and covariates (ANCOVA) to obtain clinically interpretable effects at a given starting plaque burden.
- Multiplicity is not addressed despite many tests; without a plan, familywise/type-I error is inflated and false positives are expected.
 - Table 3 has about 19 unique tests; repeating the same panel in two subgroups yields 57 tests overall. The text references Δ TPS analyses not shown, so the total is plausibly >70.
- "Predicts/predictor" implies prognostic (prediction) standards¹⁵, e.g. multivariable specification, internal validation, calibration/discrimination, which are not presented. If claims are associational, wording should reflect association rather than prediction.

Requested action.

1. Clarify analytic aim: state consistently whether the analyses are predictive or associative in the Title, Abstract, Methods, and Results.

2. If association is the aim:

• Prespecify a primary adjustment set (baseline NCPV/TPS/CAC, age, sex).

- Report baseline-adjusted follow-up models (ANCOVA) as the main analysis with effect estimates + 95 % CIs; move univariable Δ -models to the Supplement.
- Provide full diagnostics (linearity, residuals, influence; see C5).
- Add a post-hoc power (precision) analysis so readers can judge whether the study could detect clinically meaningful ApoB effects (e.g., 5 mm³ NCPV or 0.5 % PAV change).

3. If prediction is the aim:

- Present a multivariable prognostic model with internal validation (bootstrap or k-fold).
- Report calibration and discrimination; do not rely on univariable screens as evidence.
- 4. **Multiplicity control**: specify a strategy (e.g., Holm or FDR) across related tests and emphasise effect estimates with uncertainty rather than dichotomous "significance."

M2 — Bayes-factor analysis: extra-wide r-scale, no sensitivity, misinterpreted evidence Quoted claims (paper).

"the addition of Bayesian inference adds credence to finding that there is no association between NCPV vs LDL-C or ApoB and TPS vs LDL-C or ApoB." (p. 6)

"Bayes factors were calculated using BayesFactor::regressionBF with default settings and an rscale value of 0.8 to contrast a moderately informative prior with a conservative distribution width" (p. 3)

"these data suggest it is 6 to 10 times more likely that the hypothesis of no association between these variables (the null) is true as compared to the alternative." (p. 6)

Issue (affects interpretation)

- The paper's sole rationale for adding a Bayes-factor analysis is that it "adds credence to finding there is no association", is circular: a BF has evidential meaning only when the prior and analysis plan are fixed a priori.
- regressionBF run with rscale = 0.8, called "moderately informative."
 - Package defaults: "medium" = 0.354, "wide" = 0.5, "ultrawide" = 0.707; **0.8 is wider** than "ultrawide." 5
- The same extra-wide r-scale is applied to every model without justification
- No prior-sensitivity analysis (a standard recommendation for Bayes-factor reporting⁶) and no indication the BF test was pre-specified.
- Interpreting a BF of 6 to 10 as "6 to 10 times more likely that the hypothesis of no association between these variables (the null) is true" conflates a Bayes factor (a likelihood ratio) with posterior probability. Such a claim requires explicit prior odds.⁷

Requested action

- 1. Re-compute Bayes factors with default r-scales (0.354, 0.5, 0.707) and (r = 0.8); report all values.
- 2. Justify the prior for each model or adopt a standard scale.

- 3. Indicate whether the BF analysis (and r-scale choice) was pre-specified; if post-hoc, label it exploratory and provide the rationale for adding it
- 4. Revise manuscript text to avoid equating BF with the probability the null is true unless prior odds are specified.

M3 — Age mediation analysis: causal language and improper adjustment

Figure 6: M2a. Table 3 (excerpt) from the published article showing the sequential models ("univariable," "+ age," "+ baseline CAC").

Quoted claim (paper):

"There was no association between LDL-C exposure while on a KD (mean 5.7 years) and NCPV or TPS (Figure 2G, Table 3). Estimated lifetime LDL-C exposure was only a significant predictor of final NCPV in the univariable analysis but lost significance when age was included as a covariate (Table 3). Both age and lifetime LDL-C exposure lost significance when baseline CAC was included in the model (Table 3)." (p. 4)

Issue (affects interpretation).

Age is a confounder (not caused by LDL), and baseline CAC is plausibly downstream of lifetime LDL exposure. Conditioning on CAC when asking about the total effect of lifetime LDL on NCPV blocks the LDL \rightarrow CAC \rightarrow NCPV pathway and yields only a direct effect; it does not constitute a mediation analysis⁸. No mediator model or indirect effect with CI was reported. Given that the paper's lifetime-LDL metric embeds age (see M3), collinearity is expected and "loss of significance" is not evidence of no association.

Requested action.

Specify the causal estimand with a DAG. If mediation is intended: fit **Mediator** ~ **Exposure** + **Age** and **Outcome** ~ **Exposure** + **Mediator** + **Age** and report indirect/direct/total effects with CIs. If the target is the total effect of lifetime LDL on NCPV, do not adjust for baseline CAC; report models with/without age (confounder), with diagnostics and collinearity checks.

Other — Additional analysis & reporting issues

ID	Sev.	Location	Issue (concise)	Ref.	Requested action
O1	Other	Methods	Percent change reported as ratio of medians , not per-participant	§O1	Provide per-subject % change (or both) with summary + CI
O2	Other	Measurements	"Lifetime LDL-C exposure" mixes time units (days + years)	§O2	Recalculate exposure with a single time unit
O3	Other	Data/QC	Inconsistent durations distort exposure denominators	§O3	Audit durations; rerun exposure-based analyses
O4	Other	Table 1	Impossible IQR for total cholesterol (301–337 mg/dL; median = 338 mg/dL)	§O4	Correct IQR; verify all baseline stats & units

01 — Percent-change metric: ratio of medians, not per-subject

Quote

"The median change in NCPV was 18.9 mm3 (IQR: 9.3-47.0 mm3) and the median change in PAV was 0.8% (IQR: 0.3%-1.7%). Compared to baseline, these represent a 43% and 50% change, respectively." (p. 4)

Issue (clarification)

The paper's "43%" (NCPV) and "50 %" (PAV) values use a **non-standard percent-change metric**, a *ratio of medians*:

$$\frac{\mathrm{median}(\Delta)}{\mathrm{median}(\mathrm{baseline})} \times 100\%.$$

This definition differs from the customary per-participant percent change and can under- or over-state the typical effect (see table below).

		Median % change (per	
Outcome	Ratio-of-medians	subject)	Mean $\%$ change
NCPV	43 %	49.2 %	81.4 %
PAV	50 %	47.3 %	80.7~%

 $(participants\ with\ baseline=0\ excluded\ from\ \%\ change\ calculations)$

Requested action

1. Report per-subject percent change

$$\% \Delta X_i \, = \, \frac{X_{1{\rm y},i} - X_{bl,i}}{X_{bl,i}} \times 100$$

with median, IQR, and 95 % CI.

- 2. Clarify that the published 43 % / 50 % are ratios of medians.
- 3. State how zero baselines were handled.

02 — Exposure metric: construction and units inconsistent

Quoted method (paper).

"LDL-C exposure on a KD was calculated by summing the products of the reported days on a KD prior to study commencement and baseline LDL-C on a KD plus the study follow-up days by their final LDL-C. Estimated **lifelong** LDL-C additionally included the product of **age** upon commencing a KD and pre-KD LDL-C." (p. 3)

$$\mathrm{LDL}_{\mathrm{KD\text{-}exp}} = Days_{\mathrm{KD}} \cdot \mathrm{LDL}_{\mathrm{baseline}} + Days_{\mathrm{FU}} \cdot \mathrm{LDL}_{\mathrm{final}}$$

 $Unit: mg \cdot day/dL$

$$LifeLDL_{exp} = LDL_{KD-exp} + Age_{KD-start} \cdot LDL_{preKD}$$

Unit (as written): dimensionally inconsistent

Issue (clarification)

- Dimensional inconsistency: the "lifetime" sum mixes days and years; these are not commensurate.
- Scale distortion: the pre-KD term is ~1/365 the magnitude of the day-based terms unless age is converted; if converted to days, the term becomes a near-linear age surrogate times one LDL value.
- Interpretability: model coefficients are not in a single unit (mg · day/dL + mg · year/dL), hindering effect-size meaning and comparisons.

Requested fix. Use a single time unit (e.g., convert all time to days and label units), report a sensitivity dropping the pre-KD term, and consider also reporting the time-weighted mean LDL:

$$\overline{\text{LDL}} = \frac{\sum_{i} \text{LDL}_{i} \, \Delta t_{i}}{\sum_{i} \Delta t_{i}}$$

alongside total duration.

O3 — Exposure durations inconsistent across study

Issue (clarification)

- Table 1 KD duration: 1,642.7 days (~ 4.5 y).
- Table 3 caption: "LDL-C exposure ... mean 5.7 y."
- Abstract median KD duration: 1,302 days

Discrepant durations feed into exposure metrics and bias effect estimates.

Requested action

- 1. Audit raw duration variables; reconcile KD start date, follow-up days, and exposure windows.
- 2. Re-calculate exposure metrics (e.g., time-weighted mean LDL) and rerun analyses with corrected durations.
- 3. Report both mean and median durations in consistent units (days or years).

04 — Table 1 Baseline Characteristics incorrect IQR

"Total cholesterol (mg/dL) 355.1 \pm 89.9; median 338 (IQR 301–337)" — Table 1

Issue (clarification)

The reported median (338 mg/dL) lies **outside** the stated IQR (301–337 mg/dL), which is mathematically impossible.

Requested action

Correct the IQR and verify all baseline statistics (units, rounding, transcription).

References

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