

# TERMS OF USE

## ROTEM Decision Support

v2.6 · Effective: 2026

By accessing or using ROTEM Decision Support (the "Tool"), you agree to these Terms of Use. If you do not agree, do not use the Tool. The Tool is published by Tarek Tantawy, MD, through WhiteCodeMed.com (the "Author").

## 1. Purpose and nature of the Tool

- The Tool is an **educational decision-support aid** implementing a published ROTEM-guided coagulation algorithm for cardiac surgery and intensive care. It is intended to help trained clinicians interpret ROTEM results and to support teaching, discussion, and documentation.
- The Tool is **not a medical device**. It is not registered or certified by the Saudi Food and Drug Authority (SFDA), the U.S. Food and Drug Administration (FDA), the European CE mark scheme, or any equivalent regulatory body. It must not be used as the basis for any diagnostic, monitoring, or therapeutic decision without independent clinical judgement.
- The Tool is **not an electronic medical record** and must not be used as the system of record. Records saved within the Tool are a personal scratchpad. The hospital's certified EMR remains the legal medical record.

## 2. No medical advice

**Nothing produced by the Tool — including algorithm output, dose calculations, tracings, EMR notes, and example cases — constitutes medical advice or a recommendation for any specific patient.** Final clinical decisions and full responsibility for patient care rest with the treating physician — typically the intensivist or anesthesiologist managing the case. The treating physician must interpret ROTEM in the context of the surgical field, hemodynamics, ACT, laboratory results, and the complete clinical picture, and must always defer to institutional protocol where it differs from the Tool's output.

## 3. Permitted and prohibited uses

### 3.1 Permitted

- Personal reference and study by qualified clinicians.
- Bedside use as one input among several when interpreting a ROTEM, alongside other clinical data.
- Teaching, including resident and trainee education, simulation training, and departmental presentations.
- Saving timestamped notes for personal record-keeping, provided the data is transcribed into the hospital's certified EMR for the legal record.

## 3.2 Prohibited

- Using the Tool as a substitute for the treating physician's clinical judgement.
- Using the Tool as the legal medical record or system of record.
- Commercial use of any kind (see the LICENSE for what counts as commercial).
- Distributing modified versions of the Tool (see the LICENSE).
- Removing, altering, or obscuring the disclaimer, attribution, copyright notice, or licensing terms.
- Attempting to reverse-engineer, defeat, or weaken the encryption or any other security feature.
- Using the Tool on shared, unsecured, or unauthorised devices where patient identifiers might be exposed.

## 4. Patient data and privacy

- All patient data entered into the Tool is stored **only on the user's own device** (browser storage / IndexedDB). The Author does not collect, transmit, or have access to any patient data entered into the Tool.
- Saved records are encrypted at rest with AES-256-GCM using a key derived from the user's passcode. The Author has no ability to recover lost passcodes or decrypt user data under any circumstances.
- The user is solely responsible for compliance with all applicable privacy and data-protection laws, including the Saudi Personal Data Protection Law (PDPL), HIPAA where applicable, and the user's institutional data-governance policies.
- The user must obtain any necessary patient consents and institutional authorisations before entering patient data.
- The user is responsible for securing the device on which the Tool runs, choosing a strong passcode, and exporting regular encrypted backups.

## 5. Disclaimer of warranties

The Tool is provided "**AS IS**" and "**AS AVAILABLE**" without warranty of any kind, express or implied. To the maximum extent permitted by law, the Author disclaims all warranties including, without limitation:

- Warranties of merchantability or fitness for a particular medical or clinical purpose.
- Warranties that the Tool is free from defects, errors, or interruptions.
- Warranties that the algorithm output is accurate, complete, or appropriate for any specific patient or clinical scenario.
- Warranties of uninterrupted availability, hosting performance, or compatibility with any specific browser, operating system, or device.

## 6. Limitation of liability

To the maximum extent permitted by law, the Author shall not be liable for any direct, indirect, incidental, special, consequential, or exemplary damages arising from or related to the use of, or inability to use, the Tool — including, without limitation:

- Any clinical decision made by a user or any patient outcome.
- Any loss of patient data (whether due to forgotten passcode, browser data loss, device failure, or any other cause).
- Any breach of patient privacy resulting from the user's choice of device, network, or data-handling practices.
- Any errors, omissions, or inaccuracies in algorithm output, dose calculations, or tracings.

Use of the Tool is at your sole risk. By using the Tool, you acknowledge that the Author has provided the Tool free of charge for educational purposes, and that any clinical or legal risk arising from its use is borne by you and your institution.

## 7. Intellectual property

- The Tool, including its source code, algorithm implementation, design, documentation, and example cases, is © 2026 Tarek Tantawy, MD. All rights reserved.
- The Tool is distributed under the Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License (CC BY-NC-ND 4.0). See the accompanying LICENSE document for full terms.
- The WhiteCodeMed name and logo are trademarks of Tarek Tantawy, MD, and may not be used without permission to imply endorsement of any third party's work.
- The ROTEM™ trademark and the ROTEM device are the property of their respective owner (Werfen / Instrumentation Laboratory). The Author is not affiliated with or endorsed by the ROTEM manufacturer.

## 8. Changes to the Tool and these Terms

- The Author may update, improve, or discontinue the Tool at any time without notice.
- The Author may revise these Terms at any time by posting a new version. The Effective date at the top of this document indicates when the current version took effect. Continued use of the Tool after a revision constitutes acceptance of the new Terms.

## 9. Governing law and disputes

These Terms are governed by the laws of the Kingdom of Saudi Arabia, without regard to its conflict-of-laws principles. Any dispute arising out of or relating to these Terms or use of the Tool shall be resolved in the competent courts of Saudi Arabia, except where the user's local mandatory law dictates otherwise.

**Note for non-Saudi users:** *this governing-law clause does not override any consumer-protection or data-protection rights you may have under the mandatory law of your country of residence.*

## 10. Severability and entire agreement

- If any provision of these Terms is found to be unenforceable, the remaining provisions remain in full force and effect.
- These Terms, together with the accompanying LICENSE, constitute the entire agreement between you and the Author concerning the Tool, and supersede any prior agreements or representations.

## 11. Contact

Questions about these Terms, requests for permissions beyond the LICENSE, or reports of issues with the Tool can be sent to:

- Tarek Tantawy, MD
- WhiteCodeMed.com
- Email: [info@WhiteCodeMed.com](mailto:info@WhiteCodeMed.com)

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