

ACADEMIC PUBLICATION SET

VIENT GUT MODEL

Integrated Outpatient Care for Complex Chronic Multimorbidity

Part A — Foundation

Vien Gut Model Academic Publication Set

DOCUMENT A.5 STANDARDIZED GLOSSARY

6 thematic groups · 60 HOW terms · 28 biomarkers and thresholds
18 imaging modalities · 77+ abbreviations

Vien Gut Model — Academic Publication Set
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EXECUTIVE SUMMARY FOR EXPERT REVIEWERS

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Nguyen Dinh Quang — Vien Gut Model
Tháng 3/2026 — Ho Chi Minh City, Vietnam

1. Document purpose

A.5 is a bilingual (Vietnamese–English) quick-reference table for the entire publication set. While A.4 provides detailed operational definitions and international benchmarking for each term, A.5 compiles all terms, biomarkers, imaging modalities and abbreviations into 6 thematic groups in table format — serving as quick reference when reading any document from A.0 to C.4.

2. Structure of 6 thematic groups

Group	Content
Group 1 — Four verification targets	Crystal-free (joints/tendons/soft tissue), Delayed dialysis (CKD), Reduced cardiovascular decompensation, Cirrhosis recompensation. Each target has: target organ, verification tool, quantitative objective, action threshold.
Group 2 — 60 HOW terms	All terms from A.4: Group A (7 international), Group B (18 equivalent), Group C (35 Vien Gut-developed). Each term: code, VN name, EN name, origin group.
Group 3 — 28 biomarkers and thresholds	Biochemistry, hematology, immunology, urine tests. Each marker: name, unit, reference range, HOW action threshold, corresponding SLA. Example: $K^+ >6$ mmol/L → SLA 4h; Cortisol <3 µg/dL → SLA 4h.
Group 4 — 18 imaging modalities	Joint ultrasound OMERACT, renal ultrasound, cardiac ultrasound (EF Simpson), FibroScan, DECT, X-ray, tissue elastography. Each modality: name, verification target served, monitoring parameter, frequency.
Group 5 — Referenced international guidelines	All guidelines cited in the set: ACR 2020, EULAR 2016, KDIGO 2024, ESC 2021, EASL 2018, NICE NG56, WHO ICOPE, ADA 2024, etc.
Group 6 — 77+ abbreviations	Standardized abbreviations: sUA, eGFR, ULT, T2T, MDT, SLA, BNP, EF, CKD, DECT, DCS, MSU, RRT, MELD, etc.

3. Highlights — Group 1: Four verification targets

Each verification target in Group 1 is presented with complete operational information:

Target	Target organ	Verification tool	Action threshold
1. Crystal-free	Joints, tendons, soft tissue	OMERACT ultrasound + DECT + X-ray	sUA >6 mg/dL × 2 → increase ULT; <5 when tophi remain
2. Delayed dialysis	Renal parenchyma, GFR	eGFR CKD-EPI 2021 + renal US + elastography	eGFR decline $>25\%$ /3 months → shorten SLA; <15 → RRT consultation
3. Reduced cardiac decompensation	Myocardium, heart valves	Cardiac US EF Simpson + NT-proBNP + Troponin	NT-proBNP increase $>50\%$ → SLA 24h; EF decline $>10\%$ → escalate tier
4. Cirrhosis recompensation	Liver parenchyma, fibrosis	FibroScan + liver US + Albumin + PT-INR + Child–Pugh	Albumin <2.8 → SLA 48h; new ascites → urgent consultation

4. Relationship A.4 vs A.5

A.4 = operational dictionary (full definitions + international benchmarking). A.5 = quick-reference table (name + threshold + SLA + abbreviation). The two documents complement each other: A.5 for quick lookup → A.4 for deep reference when context is needed.

5. Position in the document system

A.5 is the final document of Part A — Foundation. After A.5, the reader has the complete theoretical framework (A.1), definitions (A.2), gap evidence (A.3), operational dictionary (A.4), and quick-reference table (A.5) to enter Part B (operations) and Part C (verification targets). Document A.5 is continuously updated as new terms emerge.

REFERENCES (abbreviated)

- [1] FitzGerald JD, et al. 2020 ACR Guideline for Gout. *Arthritis Care Res.* 2020;72(6):744–760.
- [2] Richette P, et al. 2016 EULAR recommendations for gout. *Ann Rheum Dis.* 2017;76(1):29–42.
- [3] KDIGO. 2024 Clinical Practice Guideline for CKD. *Kidney Int.* 2024; Supplement.
- [4] McDonagh TA, et al. 2021 ESC Guidelines for heart failure. *Eur Heart J.* 2021;42(36):3599–3726.
- [5] EASL. Clinical Practice Guidelines for decompensated cirrhosis. *J Hepatol.* 2018;69(2):406–460.

Note: Complete reference table (60 terms, 28 biomarkers, 18 imaging modalities, 77+ abbreviations, 37 references): see full A.5 document.

Vien Gut is ready to share the entire model with the international medical community as a public good, serving the goal of improving complex chronic multimorbidity care in 129 low- and middle-income countries.

Complete document system: A.0–A.5 | B.1–B.5 | C.1–C.4 | Part D