

FOR HEPATOLOGY & INTENSIVE-CARE PHYSICIANS

Evidence-based diagnosis of *acute liver failure*.

A bilingual calculator that guides clinicians through ALF confirmation, King's College criteria, and Wilson disease evaluation — recording exactly which criterion was met, and why. Thresholds are configurable, not hardcoded, so the tool evolves with clinical guidelines.



§ 01 — DIAGNOSTIC MODULES

M.01 Acute Liver Failure duration ≤ 26 weeks INR ≥ 1.5 encephalopathy present	M.02 King's — Acetaminophen pH < 7.3 — or — INR > 6.5 and Cr > 3.4 encephalopathy grade III–IV
M.03 King's — Non-Acetaminophen any 3 of 6 indicators age · interval · INR · etiology drug-induced · bilirubin > 17	M.04 Wilson Disease AST/ALT > 2.2 · ALP/bili < 4 ceruloplasmin < 20 Kayser–Fleischer rings

Configurable admin rule engine	Bilingual English / Arabic · RTL	Audited every diagnosis logged	Referral transplant centre support
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§ 02 — CLINICAL WORKFLOW

i Capture History, symptoms, drug exposure and family history — bilingual forms.	ii Investigate Labs, viral panels and Wilson workup with unit-aware inputs.	iii Compute All modules evaluated; a per-rule trace explains each verdict.	iv Refer Record the transfer decision; generate an archived PDF report.
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§ 03 — WHO IT'S FOR

Physicians Run a guided assessment at the bedside and obtain a traceable verdict and printable report in seconds.	Hospital admins Adjust thresholds as guidelines evolve — no redeployment, with full version history retained.	Stakeholders A documented, auditable decision-support layer for hepatology and intensive-care workflows.
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