

Reasoning Verification & Quality Control

Verification Steps

Logical Consistency: Check for contradictions in reasoning chain

Evidence Support: Verify each claim has supporting data

Completeness: Ensure all relevant factors considered

Guideline Adherence: Confirm alignment with clinical standards

Verification Checklist

- ✓ Are all steps logically connected?
- ✓ Is each conclusion supported by evidence?
- ✓ Were alternative diagnoses considered?
- ✓ Are contradictory findings explained?
- ✓ Does final answer match clinical guidelines?
- ✓ Are safety concerns addressed?

Quality Assurance: Systematic verification reduces errors by 30-40%