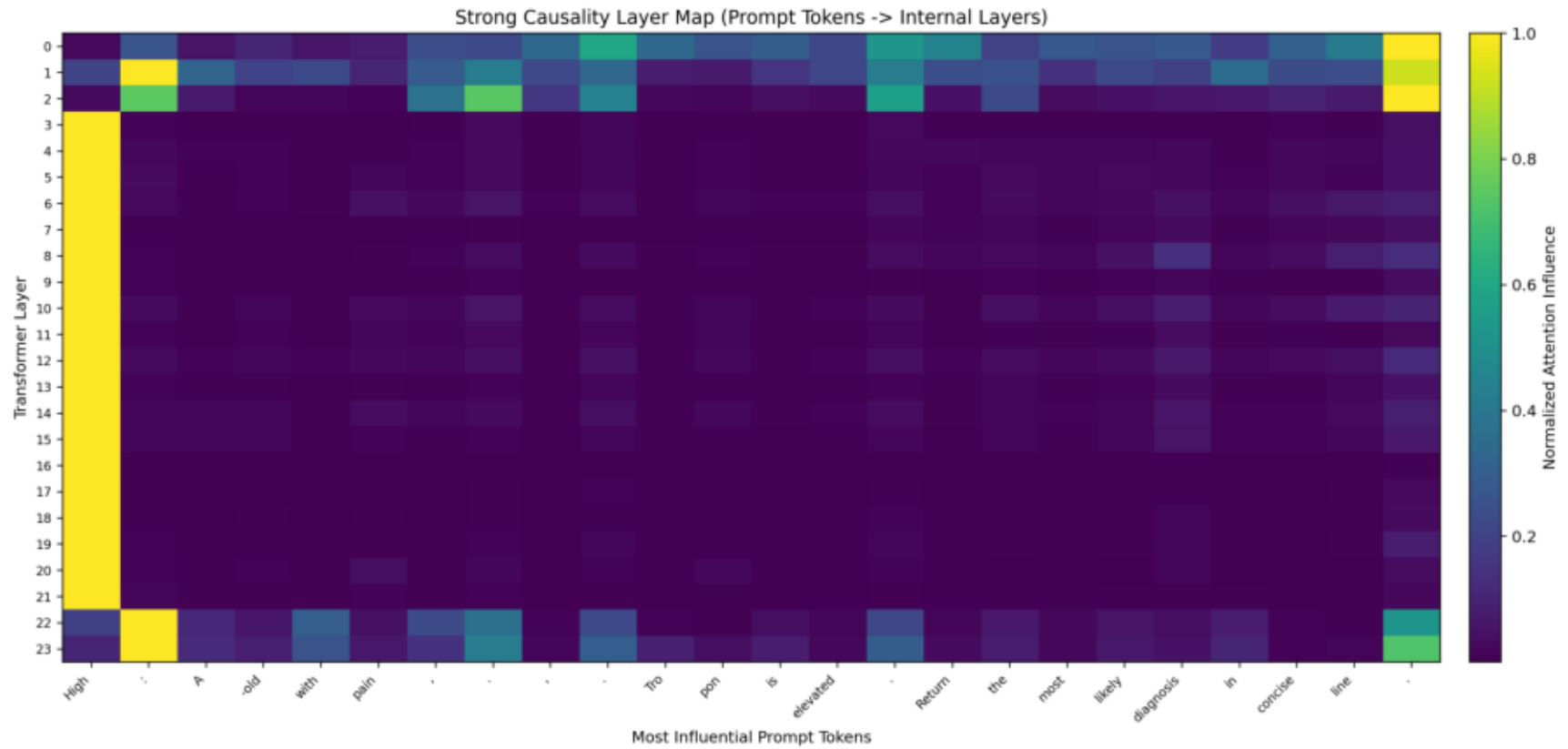# VCCL Strong Causability Report

Input Tokens · Internal Layers · Output Tokens

Execution profile: strong=True (HF white-box on GPU0)

Model output excerpt: High-risk clinical triage scenario: A 61-year-old male presents with crushing retrosternal chest pain radiating to the left a
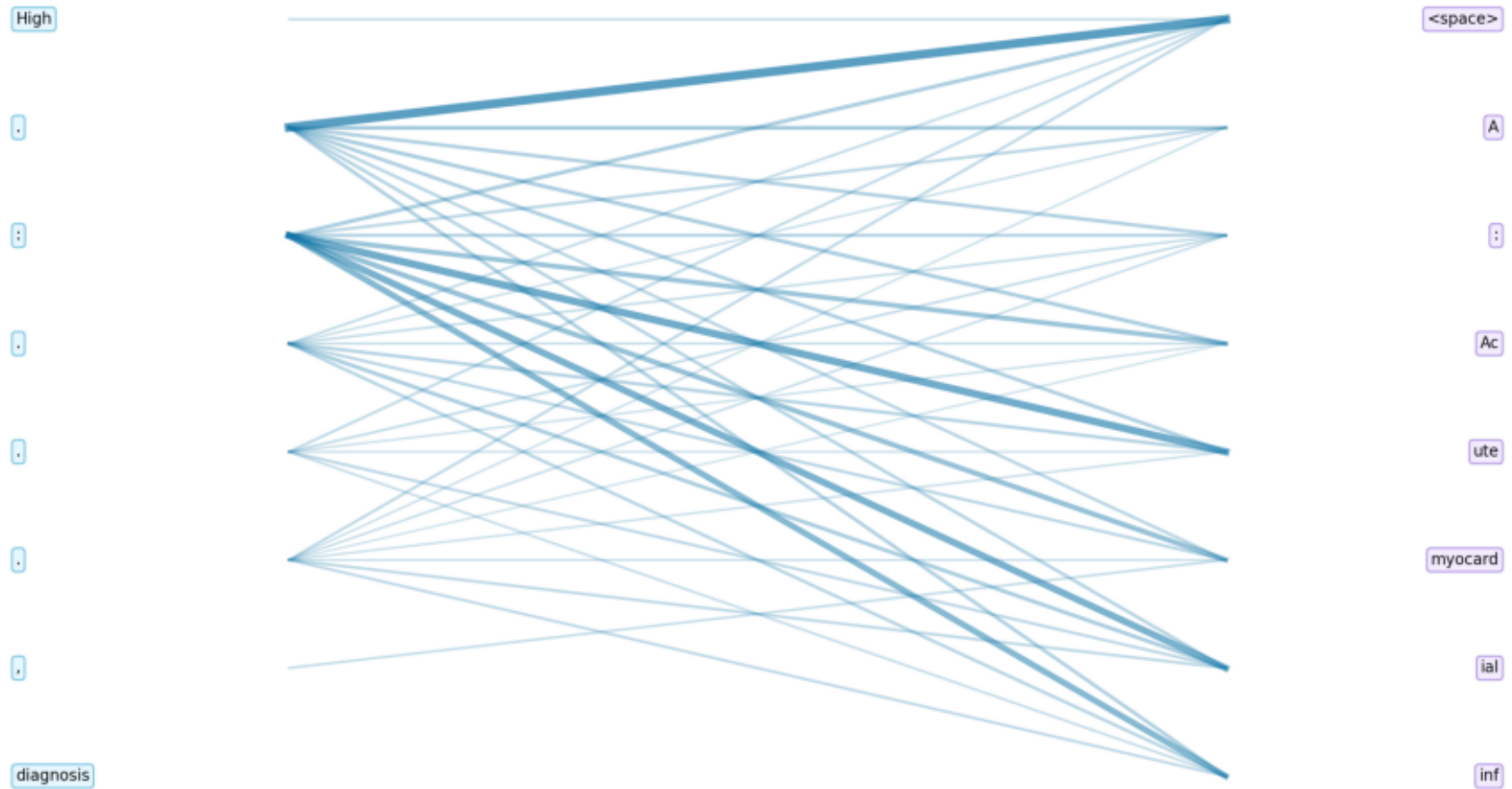
This document visualizes layer-wise causal signal propagation using internal attention tensors. It complements the signed clinical dossier with intermediate-state causality evidence.

Layer-wise Input Influence Heatmap

Strong Causality Layer Map (Prompt Tokens -> Internal Layers)

Most Influential Prompt Tokens

Transformer Layer

Normalized Attention Influence

Input-Output Causal Flow (Final Layer Top Links)

Strong Causal Flow: Input Tokens -> Output Tokens (Final Layer)

Top Output Tokens and Causal Input Supports

1. output '<space>' <= . (0.262), : (0.095), . (0.058), . (0.054), . (0.049)

2. output 'A' <= . (0.103), : (0.065), Tro (0.051), . (0.038), . (0.035)

3. output ':' <= . (0.085), : (0.074), Tro (0.048), . (0.047), . (0.046)

4. output 'Ac' <= : (0.129), . (0.095), . (0.044), with (0.043), . (0.035)

5. output 'ute' <= : (0.214), with (0.096), . (0.088), . (0.076), . (0.036)

6. output 'myocard' <= : (0.138), . (0.069), . (0.067), with (0.059), , (0.046)

7. output 'ial' <= : (0.194), . (0.094), . (0.075), . (0.062), . (0.060)

8. output 'inf' <= : (0.172), . (0.083), . (0.072), . (0.057), . (0.045)

9. output 'ar' <= : (0.266), . (0.085), . (0.077), with (0.056), . (0.052)

10. output 'ction' <= : (0.214), . (0.119), . (0.071), . (0.063), . (0.051)