Based on the given assurance case pattern for the DeepMind system which focuses on interpretability claims of machine learning models used for medical imaging and diagnosis, here's how the assurance case would be structured in GSN in a hierarchical tree format. The assurance case instantiates placeholders with system-specific information derived from the domain information:

\*\*Assurance Case: DeepMind System\*\*

- G1: Interpretability Claim. The DeepMind ML Model is sufficiently interpretable in the clinical pathway for retinal diagnosis

- S1: Argument based on the essential aspects of interpretability

- G2: Right Method. The right interpretability methods are implemented, i.e., the segmentation maps are faithfully being explained

- S2: Argument over interpretability methods

- G8: Interpretability method is the right type e.g., local/global (i.e., the segmentation map is being explained)

- G9: Interpretability method is suitably faithful to DeepMind ML model process

- G3: Right Context. Interpretations produced in the clinical pathway for retinal diagnosis

- G5: Right Time. Interpretations are produced at the appropriate time during the diagnosis

- G6: Right Setting. Interpretations are available in the clinical setting

- G7: Right Audience. Interpretations are produced for retinal clinicians

- G4: Right Format. Interpretability methods are presented in the format that is familiar and understandable for retinal clinicians

- C1: ML Model (Machine Learning based functionality used for medical imaging)

- C2: Interpretable (Focus on transparency to mitigate the "black-box" problem)

- C3: Context: setting, time, and audience (Clinical pathway for retinal diagnosis, crucial timing, retinal clinicians as the audience)

- C4: Essential aspects of interpretability (Presenting a segmentation map and diagnosis predictions together)

In this instantiated assurance case, placeholders have been replaced with specifics relevant to the DeepMind system. Goals related to the right context, audience, setting, and timing link back to how the system operates within its domain and the specific needs of its user base. Each context element has been assigned specific details to circumscribe the argument, offering a clear picture of where these interpretability claims stand.

This simplified assurance case layout shows how major goals and strategies interconnect in a tree structure, emphasizing the structured approach to validating the interpretability and reliability of the DeepMind system in its intended usage setting.