Here is the instantiated assurance case for the DeepMind system derived from the provided assurance case pattern. The assurance case is presented in a hierarchical tree format using dashes (-) to denote different levels.

@Assurance\_case

G1: Interpretability Claim. The DeepMind system is sufficiently interpretable in the intended clinical context.

- C1: DeepMind system

- C2: Interpretable

- C3: Clinical context for retinal diagnosis

- S1: Argument based on the essential aspects of interpretability.

- C4: Essential aspects of interpretability

- G2: Right Method. The right interpretability methods are implemented, i.e., the correct information is faithfully being explained.

- C5: Interpretability methods

- S2: Argument over interpretability methods

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

- G9: Interpretability method is suitably faithful to DeepMind system's process. (undeveloped)

- G3: Right Context. Interpretations produced in the intended context.

- C6: Format of interpretations

- G5: Right Time. Interpretations produced at the appropriate time. (undeveloped)

- G6: Right Setting. Interpretations are available in the right setting. (undeveloped)

- G7: Right Audience. Interpretations produced for the right audience. (undeveloped)

- G4: Right Format. Interpretability methods are presented in the right format for the audience. (undeveloped)

@End\_Assurance\_case

This assurance case focuses on the interpretability of the DeepMind system, ensuring that the system is sufficiently transparent and understandable in the clinical context of retinal diagnosis. The undeveloped elements indicate areas that require further development.