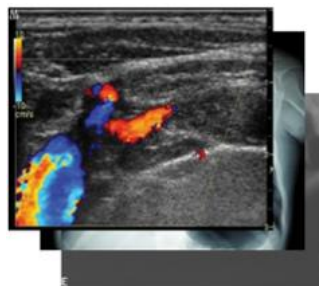


Color Doppler sonogram reveals ...



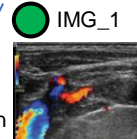
Text Encoder

Image Encoder

### 1. Keywords extraction

Color Doppler sonogram reveals complete thrombotic occlusion of the left subclavian vein

- C0041618: ultrasonography
- C0001168: obstruction
- C0001168: left subclavian vein

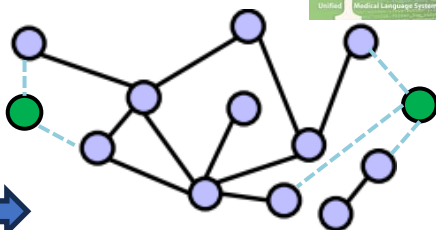


Radiograph showing apex not closed in one of the mesial and distal canals

- C1548003: radiograph
- C1550227: canals



### 2. KG construction



### 3. Node representation learning

TransE

image node embeddings  $\{K_i\}_{i=1}^N$

