**Axiom template for surgical extractions**

instances in *italics*, relations in **bold**, class names are capitalized

\*\* means to adjust for appropriate subtype (e.g., tooth, surface, restoration material)

**- Declare material entities:**

*extracted tooth* **rdf:type** Tooth \*\*

*extracted tooth* **rdf:type** Extracted Tooth

*patient* **rdf:type** Human Dental Patient

*provider* **rdf:type** Dental Health Care Provider

***-* Declare procedure, when it occurred, and visit visit it is part of**

*visit* **rdf:type** Dental Visit

*procedure* **rdf:type** Tooth Extraction Procedure

*procedure* **part of** *visit*

*procedure* **occurrence date** <xsd:dateTime>

**- Specify the inputs and outputs of procedure**

*procedure* **has\_specified\_input** *provider*

*procedure* **has\_specified\_input** *patient*

*procedure* **has\_specified\_input** *extracted tooth*

*procedure* **has\_specified\_output** *extracted tooth*

**- Declare CDT code and what it is about**

*cdt code* **rdf:type** Billing Code \*\*

*cdt code* **is about** *procedure*

**- CDT codes for surgical extractions**

'7110'

'7120'

'7140'

'7210'