

Figure 210: Reaction Observation (V2) Example

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.9" extension="2014-06-09" />
  <id root="4adc1020-7b14-11db-9fe1-0800200c9a64" />
  <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4" />
  <text>
    <reference value="#reaction1" />
  </text>
  <statusCode code="completed" />
  <effectiveTime>
    <low value="200802260805-0800" />
    <high value="200802281205-0800" />
  </effectiveTime>
  <value xsi:type="CD" code="422587007" codeSystem="2.16.840.1.113883.6.96"
displayName="Nausea" />
  <entryRelationship typeCode="SUBJ" inversionInd="true">
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.8" extension="2014-06-09" />
      . . .
    </observation>
  </entryRelationship>
</observation>
```

3.91 *Referenced Frames Observation*

[observation: identifier urn:oid:2.16.840.1.113883.10.20.6.2.10 (open)]

Table 455: Referenced Frames Observation Contexts

Contained By:	Contains:
SOP Instance Observation (optional)	Boundary Observation (required)

A Referenced Frames Observation is used if the referenced DICOM SOP instance is a multiframe image and the reference does not apply to all frames. The list of integer values for the referenced frames of a DICOM multiframe image SOP instance is contained in a Boundary Observation nested inside this class.

Table 456: Referenced Frames Observation Constraints Overview

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:oid:2.16.840.1.113883.10.20.6.2.10)					
@classCode	1..1	SHALL		81-9276	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ROIBND
@moodCode	1..1	SHALL		81-9277	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
code	1..1	SHALL		81-19164	
@code	0..1	MAY		81-19165	urn:oid:1.2.840.10008.2.16.4 (DCM) = 121190
entryRelationship	1..1	SHALL		81-9279	
@typeCode	1..1	SHALL		81-9280	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
observation	1..1	SHALL		81-15923	Boundary Observation (identifier: urn:oid:2.16.840.1.113883.10.20.6.2.11)

1. **SHALL** contain exactly one [1..1] **@classCode="ROIBND"** Bounded Region of Interest (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:81-9276).
2. **SHALL** contain exactly one [1..1] **@moodCode="EVN"** Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:81-9277).
3. **SHALL** contain exactly one [1..1] **code** (CONF:81-19164).
 - a. This code **MAY** contain zero or one [0..1] **@code="121190"** Referenced Frames (CodeSystem: DCM urn:oid:1.2.840.10008.2.16.4 **STATIC**) (CONF:81-19165).
4. **SHALL** contain exactly one [1..1] **entryRelationship** (CONF:81-9279).
 - a. This entryRelationship **SHALL** contain exactly one [1..1] **@typeCode="COMP"** Component (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:81-9280).
 - b. This entryRelationship **SHALL** contain exactly one [1..1] [Boundary Observation \(identifier: urn:oid:2.16.840.1.113883.10.20.6.2.11\)](#) (CONF:81-15923).

Figure 211: Referenced Frames Observation Example

```
<observation classCode="ROIBND" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.6.2.10"/>
  <code code="121190" codeSystem="1.2.840.10008.2.16.4" displayName="Referenced Frames"/>
  <entryRelationship typeCode="COMP">
    <!-- Boundary Observation -->
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.6.2.11"/>
      <code code="113036" codeSystem="1.2.840.10008.2.16.4" displayName="Frames for
Display"/>
      <value xsi:type="INT" value="1"/>
    </observation>
  </entryRelationship>
</observation>
```

3.92 Result Observation (V3)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.2:2015-08-01
(open)]

Table 457: Result Observation (V3) Contexts

Contained By:	Contains:
Health Concern Act (V2) (optional) Result Organizer (V3) (required) Risk Concern Act (V2) (optional)	Author Participation (optional)

This template represents the results of a laboratory, radiology, or other study performed on a patient. The result observation includes a statusCode to allow recording the status of an observation. “Pending” results (e.g., a test has been run but results have not been reported yet) should be represented as “active” ActStatus.