Serum Ferritin of the blood test result

Entity: Cluster

Concept description:				Identification:		
Serum Ferritin of the blood test results as a single value.				*Id*: openEHR-EHR-CLUSTER.laboratory_test_panel-ferritin.v0 *Reference model*: openEHR_EHR		

Purpose	Use	Misuse	Copyright	References	Contact
To record Ferritin test results as a single value. LOINC 2276-4 Ferritin [Mass/ volume] in Serum or Plasma Component Property Time System Scale Method Ferritin MCnc Pt Ser/Plas Qn Ferritin is the major iron storage protein in mammals, and is located primarily in the liver, spleen and bone marrow. Serum ferritin concentrations correlate well with total body iron stores in normal subjects and in patients with iron deficiency or transfusional iron overloads. The	To record Ferritin test results as a single value. Normally used in conjunction with a parent Laboratory test result (Observation) archetype.	Should not be used to record Anatomical pathology macroscopic/microscopic findings.	© openEHR Foundation	Based on NEHTA 'Pathology Test' archetype. Available from: http://dcm.nehta.org.au/ckm/OKM.html#showarchetype_1013.1.839_8 Pathology (Data Specifications) Version 1.0 [Internet]. Sydney, Australia: National E-Health Transition Authority; 2007 May 29 [cited 2011 Jul 11]; Available at http://www.nehta.gov.au/component/docman/doc_download/962-pathology-v10. Laboratory Technical Framework, Volume 3: Content, Revision 3.0 [Internet]. USA: IHE International; 2011 May 19; [cited 2011 Jul 11]. Available from: http://www.ihe.net/Technical_Framework/index.cfm#laboratory Hl7 FHIR Observation resource: HL7 FHIR; Available from http://www.hl7.org/implement/standards/fhir/observation.html	

measurement of serum ferritin is now considered to be an accurate, quantitative, and convenient method of assessing total body iron stores. Low serum ferritin is diagnostic for iron deficiency anemia, and elevated serum ferritin occurs in the thalassemia but can also occur in other acute and chronic conditions such as hepatic disease, respiratory infections and certain types of malignancy. Source: Regenstrief Institute NB: This is not cloned in templates from laboratory-tests but specialized. The reason for this is that maintainability becomes hard when there are changes in the model, but the correspondending constraint can occur in more templates (which will happen because, ET decided to have archetypes which can occur in several templates.SNOMED					

Concept	Description	Constraints	Values
Laboratory result	Specific detailed result, including both the value of the result item, and additional information that may be useful for clinical interpretation.	*Cluster* 0..*	
Q **Result value**	Actual value of the result.	*Quantity* 0..1	Property = Concentration Units = ng/ml; Units = ug/l;
T **Comment**	Comment about the Result.	*Text* 0..1	Text;
T **Reference range guidance**	Additional advice on the applicability of the reference range.	*Text* 0..1	Text;
T **Result status**	The status of the result value.	*Text* 0..1	Internal; 'Registered', 'Interim', 'Final', 'Amended', 'Cancelled/Aborted', 'Not requested'
Result status timestamp	The date and/or time that the entire result was issued for the recorded 'Result status'.	*DateTime* 0..1	Allow all
A	Slot Result detail [Cluster]	Include : Cluster	Exclude : Cluster
A	Slot Other detail [Cluster]	Include : Cluster	Exclude : Cluster