

SGPT (ALAT) test result









Entity: Cluster

Concept description:				Identification:	
SGPT (ALAT) test results as a single value.				<i>Id:</i> openEHR-EHR-CLUSTER.laboratory_test_panel-sgpt.v0 <i>Reference model:</i> openEHR_EHR	
Purpose	Use	Misuse	Copyright	References	Contact
To record SGPT (ALAT) test results as a single value. LOINC 1742-6 Alanine aminotransferase [Enzymatic activity/volume] in Serum or Plasma Component Alanine aminotransferase Property Time System Scale Method CCnc Pt Ser/Plas Qn Alanine transaminase or ALT is an enzyme (EC 2.6.1.2) also called serum glutamic pyruvic transaminase (SGPT) or alanine	To record SGPT (ALAT) 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	

aminotransferase (ALAT). It is found in serum and in various bodily tissues, but is most commonly associated with the liver. It catalyzes the two parts of the alanine cycle. It is commonly measured clinically as a part of a diagnostic evaluation of liver health. Significantly elevated levels of ALT often suggest the existence of other medical problems such as viral hepatitis, diabetes, congestive heart failure, bile duct problems, infectious mononucleosis, or myopathy. However, elevated levels of ALT do not automatically mean that medical problems exist. Fluctuation of ALT levels is

<p>normal over the course of the day, and ALT levels can also increase in response to strenuous physical exercise. NB the unit umol/s/l is not in LOINC SNOMED 34608000 Alanine aminotransferase measurement (procedure) 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.</p>					
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Concept	Description	Constraints	Values
	Specific detailed result, including	<i>Cluster</i>	

 Laboratory result	both the value of the result item, and additional information that may be useful for clinical interpretation.	0..*	
 Result value	SGPT (ALAT) test: Actual value of the result.	Quantity 0..1	Property = Concentration Units = U/l; >=0; <=35; Units = nmol/s/l; >=0; <=0.6;
 Comment	Comment about the Result.	Text 0..1	Text;
 Reference range guidance	Additional advice on the applicability of the reference range.	Text 0..1	Text;
 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
 Slot Result detail [Cluster]	Slot Result detail [Cluster]	Include : Cluster	Exclude : Cluster
 Slot Other detail [Cluster]	Slot Other detail [Cluster]	Include : Cluster	Exclude : Cluster