


Alpha-Fetoprotein in serum





Entity: Cluster

Concept description:				Identification:	
Alpha-Fetoprotein in serum test result as a single value.				<i>Id:</i> openEHR-EHR-CLUSTER.laboratory_test_panel-afp.v0 <i>Reference model:</i> openEHR_EHR	
Purpose	Use	Misuse	Copyright	References	Contact
To record Alpha-Fetoprotein in serum test results as a single value. LOINC Alpha-1-Fetoprotein [Units/volume] in Serum or Plasma Component Property Time System Scale Method Alpha-1-Fetoprotein ACnc Pt Ser/Plas Qn Alpha-1-fetoprotein (AFP) is a key variable in prenatal screening for the detection of trisomy 18, 21 and neural tube defect. It is also the primary tumor marker for nonseminomatous testicular cancers.	To record Alpha-Fetoprotein in serum 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	Bert Verhees, ROSA Software

Post-operative
AFP levels that
remain above
normal imply
residual tumor,
and/or tumor
recurrence. AFP
can be high in up
to 70% of patients
with primary
hepatocellular
carcinoma.
Elevated AFP
levels have
occasionally been
found in
association with
gastrointestinal
tract cancers.
Serum AFP is
also elevated in
ataxia
telangiectasia,
hereditary
tyrosinemia,
teratocarcinoma,
and non-
cancerous hepatic
conditions, such
as acute viral
hepatitis, chronic
active hepatitis
and cirrhosis.
Elevation of
serum AFP in
non-cancerous
hepatic diseases
is usually
transient. Source:
Regenstrief
Institute
SNOMED
104404005 |

Alpha-1-fetoprotein measurement, serum (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.					
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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	Alpha-Fetoprotein in serum, Result value	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;

 Result status	The status of the result value.	<i>Text</i> 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'.	<i>DateTime</i> 0..1	Allow all
	Slot Result detail [Cluster]	Include : Cluster	Exclude : Cluster
	Slot Other detail [Cluster]	Include : Cluster	Exclude : Cluster