Health & Care Information Model:

nl.zorg.FeedingTubeSystem-v3.5

Status: Final
Release: 2024
Release status: Prepublished

Managed by:

Content

1. nl.zorg.FeedingTubeSystem-v3.5

DCM::CoderList	Werkgroep RadB Verpleegkundige Gegevens
DCM::ContactInformation.Address	*
DCM::ContactInformation.Name	*
DCM::ContactInformation.Telecom	*
DCM::ContentAuthorList	Werkgroep RadB Verpleegkundige Gegevens
DCM::CreationDate	3-4-2014
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	PM
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.10.3
DCM::KeywordList	Sonde, feeding tube, toedieningssyteem
DCM::LifecycleStatus	Final
DCM::ModelerList	Werkgroep RadB Verpleegkundige Gegevens
DCM::Name	nl.zorg.SondeSysteem
DCM::PublicationDate	15-04-2024
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep RadB Verpleegkundige Gegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	17-10-2023
DCM::Supersedes	nl.zorg.SondeSysteem-v3.4
DCM::Version	3.5
HCIM::PublicationLanguage	EN

1.1 Revision History

Publicatieversie 1.0 (01-07-2015)

Publicatieversie 3.0 (01-05-2016)
Bevat: ZIB-453.

Publicatieversie 3.1 (04-09-2017)
Bevat: ZIB-530, ZIB-545, ZIB-607.

Publicatieversie 3.2 (31-12-2017)
Bevat: ZIB-646.

Publicatieversie 3.3 (06-07-2019)
Bevat: ZIB-732.

Publicatieversie 3.3.1 (01-12-2021)
Bevat: ZIB-1575.

Publicatieversie 3.4 (10-06-2022)
Bevat: ZIB-1614.

Publicatieversie 3.5 (15-10-2023)
Bevat: ZIB-2103.

1.2 Concept

A feeding tube is a special catheter used to:
- administer liquid food to people who are incapable of oral intake of food or liquid,
- administer medication,

- drain (siphon) or pump out gastric juice.

There are different ways to place a feeding tube. A feeding tube can be inserted through the nose, in the stomach or in the intestines (duodenum, jejunum).
Percutaneous endoscopic gastrostomy (PEG) is a technique in which a feeding tube is placed into the stomach through the abdominal wall. This thin tube (PEG tube) is used to feed a patient who is incapable of oral food intake for a prolonged period of time.

1.3 Mindmap

1.4 Purpose

The purpose of a feeding tube is usually to administer food and/or medication.
Information on present feeding tubes is recorded to inform other health professionals. This information is of importance in determining the care required for the patient and in safely administering medication. In a transfer situation, the information offers the option to realize continuity of care by organizing specific expertise and materials in advance, for example.

1.5 Patient Population

1.6 Evidence Base

1.7 Information Model
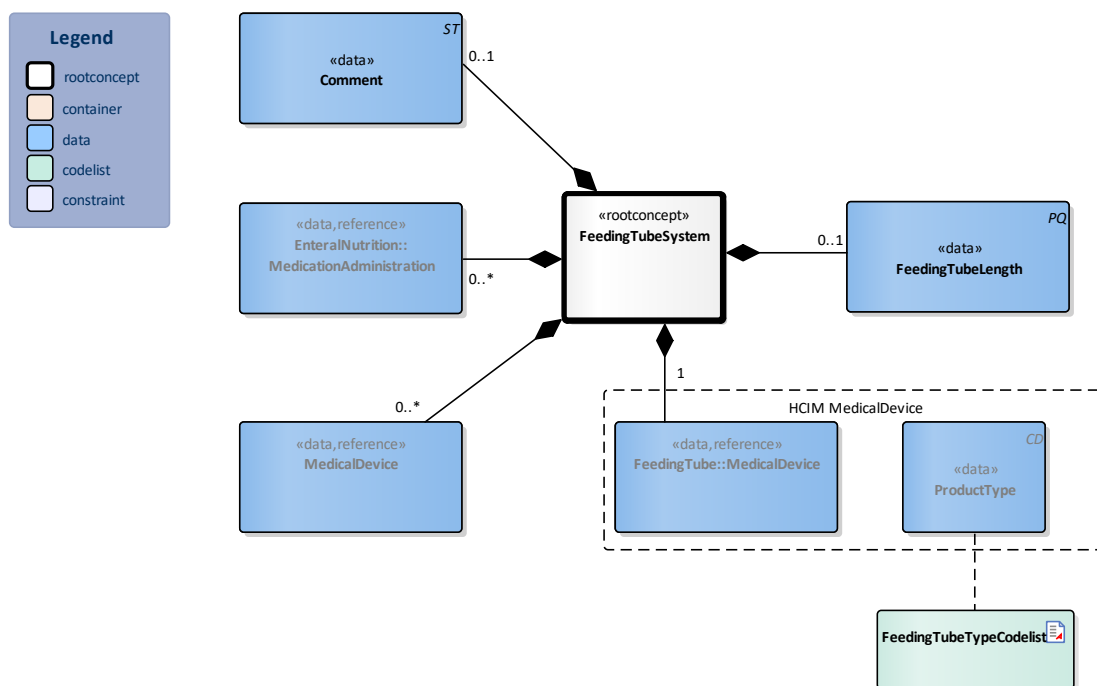
«rootconcept»	FeedingTubeSystem
Definitie	Root concept of the FeedingTubeSystem information model. This root concept contains all data elements of the FeedingTubeSystem information model.
Datatype	
DCM::ConceptId	NL-CM:10.3.1

Opties	

«data»	FeedingTube::MedicalDevice	
Definitie	FeedingTube describes the presence of a feeding tube. If this is the case, the date of placement and insertion location can be described in addition to the type of feeding tube. Furthermore, it offers the option to record identification information of the feeding tube if desired.	
Datatype		
DCM::ConceptId	NL-CM:10.3.2	
DCM::DefinitionCode	SNOMED CT: 83059008 Tube	
DCM::ReferencedConceptId	NL-CM:10.1.1	This is a reference to the rootconcept of information model MedicationAdministration.
Opties		

«data»	ProductType	
Definitie	A description of the type of feeding tube based on the location where it was inserted and the position of the tip of the tube.	
Datatype	CD	
DCM::ConceptId	NL-CM:10.1.3	
DCM::ValueSet	FeedingTubeTypeCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.10.3.1
Opties		

«data»	FeedingTubeLength	
Definitie	The input length of the feeding tube in cm for the patient in question as determined by formulas based on for example the NEX i.e. nosepoint-earlobe-xyphoid distance (adults) or body length (children).	
Datatype	PQ	
DCM::ConceptId	NL-CM:10.3.8	
Opties		

«data»	EnteralNutrition::MedicationAdministration	
Definitie	The description of the fluid administered through the feeding tube and the dose administered, as given in the medication prescription. Though most cases involve food being administered through the feeding tube, medication is often administered through these tubes as well.	
Datatype		
DCM::ConceptId	NL-CM:10.3.3	
DCM::DefinitionCode	SNOMED CT: 225748000 Artificial feed	
DCM::ExampleValue	Nutrison	
DCM::ReferencedConceptId	NL-CM:9.13.20928	This is a reference to the rootconcept of information model MedicationAdministration2.
Opties		

«data»	MedicalDevice	
Definitie	A description of aids required to use the feeding tube, such as an enteral feeding pump or a vacuum pump in the event of draining fluid.	
Datatype		
DCM::ConceptId	NL-CM:10.3.7	
DCM::ReferencedConceptId	NL-CM:10.1.1	This is a reference to the rootconcept of information model MedicationAdministration.

Opties	

«data»	Comment
Definitie	A comment on the feeding tube.
Datatype	ST
DCM::ConceptId	NL-CM:10.3.6
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment
Opties	

«document»	FeedingTubeTypeCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.10.3.1	
HCIM::ValueSetLanguage	--	
Opties		

SondeTypeCodelijst			**OID: 2.16.840.1.113883.2.4.3.11.60.40.2.10.3.1**	
Concept Name	**Concept Code**	**Coding Syst. Name**	**Coding System OID**	**Description**
Jejunostomy tube	126065006	SNOMED CT	2.16.840.1.113883.6.96	Jejunostomie katheter
Gastrostomy tube	470571004	SNOMED CT	2.16.840.1.113883.6.96	Gastrostomie katheter
Percutaneous endoscopic gastrostomy catheter	108541000146103	SNOMED CT	2.16.840.1.113883.6.96	PEG sonde
Percutaneous radiological gastrostomy catheter	892100014609	SNOMED CT	2.16.840.1.113883.6.96	PRG sonde
Percutaneous endoscopic gastrojejunostomy catheter	885100014609	SNOMED CT	2.16.840.1.113883.6.96	PEG-J sonde
Percutaneous endoscopic jejunostomy catheter	891100014604	SNOMED CT	2.16.840.1.113883.6.96	PEJ sonde
Nasogastric tube	17102003	SNOMED CT	2.16.840.1.113883.6.96	Neus-maagsonde
Nasojejunal tube	858100014601	SNOMED CT	2.16.840.1.113883.6.96	Neus-jejunumsonde
Nasoduodenal tube [DEPRECATED]	859100014604	SNOMED CT	2.16.840.1.113883.6.96	Neus-duodenumsonde
Nasoduodenal feeding tube	773725001	SNOMED CT	2.16.840.1.113883.6.96	Neus-duodenumsonde
Other	OTH	NullFlavor	2.16.840.1.113883.5.1008	Anders

	Legend
Definitie	
Datatype	
Opties	

1.8   Example Instances

SondeSysteem	
Sonde	
ProductType	PEG sonde
SondeLengte	--
BeginDatum	30-11-2014
SondeVoeding	
ProductNaam	Nutrison

1.9 Instructions

1.10 Interpretation

1.11 Care Process

1.12 Example of the Instrument

1.13 Constraints

1.14 Issues

1.15 References

1. V&VN. *Landelijke multidisciplinaire richtlijn Neusmaagsonde.* (2011) [Online] Beschikbaar op: http://www.stuurgroepondervoeding.nl/wp-content/uploads/2015/02/Richtlijn-Neusmaagsonde-definitief.pdf [Geraadpleegd: 13 februari 2015]

1.16 Functional Model

1.17 Traceability to other Standards

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