

Allergen-Dokumentation

Juni 2024

Michael Kallfelz/ Julia Hummel

Team Medizinische Modellierung & Terminologie

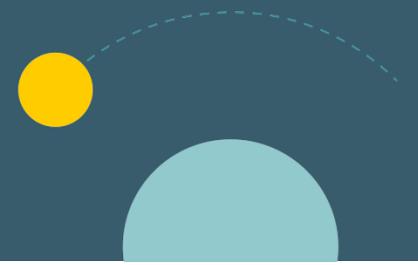


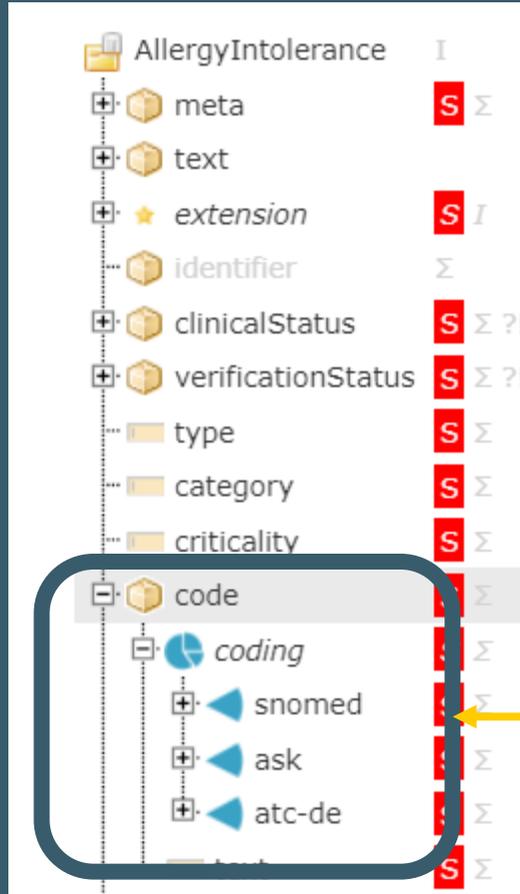


MIO eMP



**AMTS-relevante Zusatzinformationen:
Allergien**



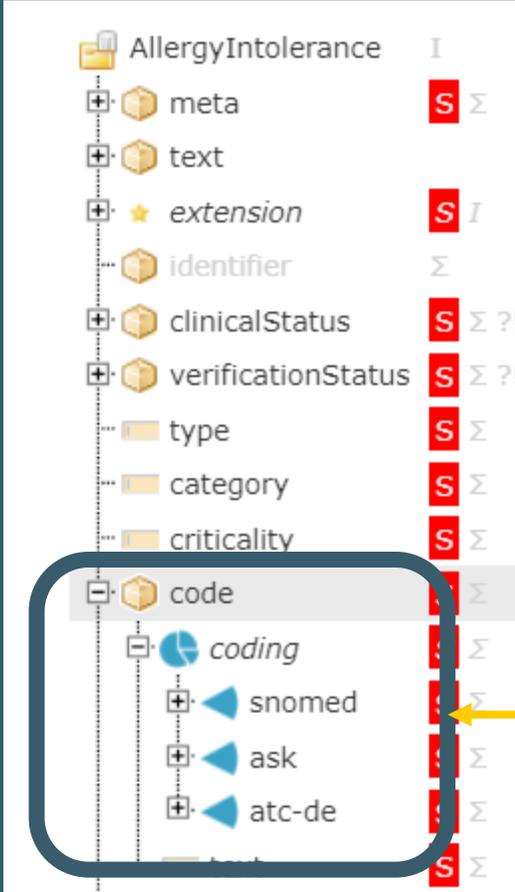


Passendes
Codesystem?

Arzneimittel-
Allergie

Nicht-
Arzneimittel-
Allergie





Passendes
Codesystem?

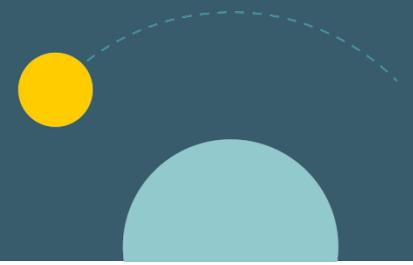
ValueSet



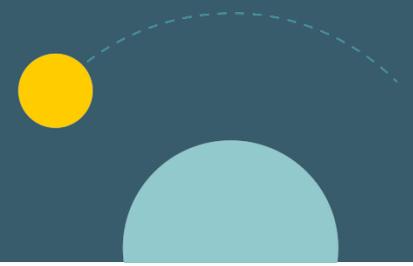
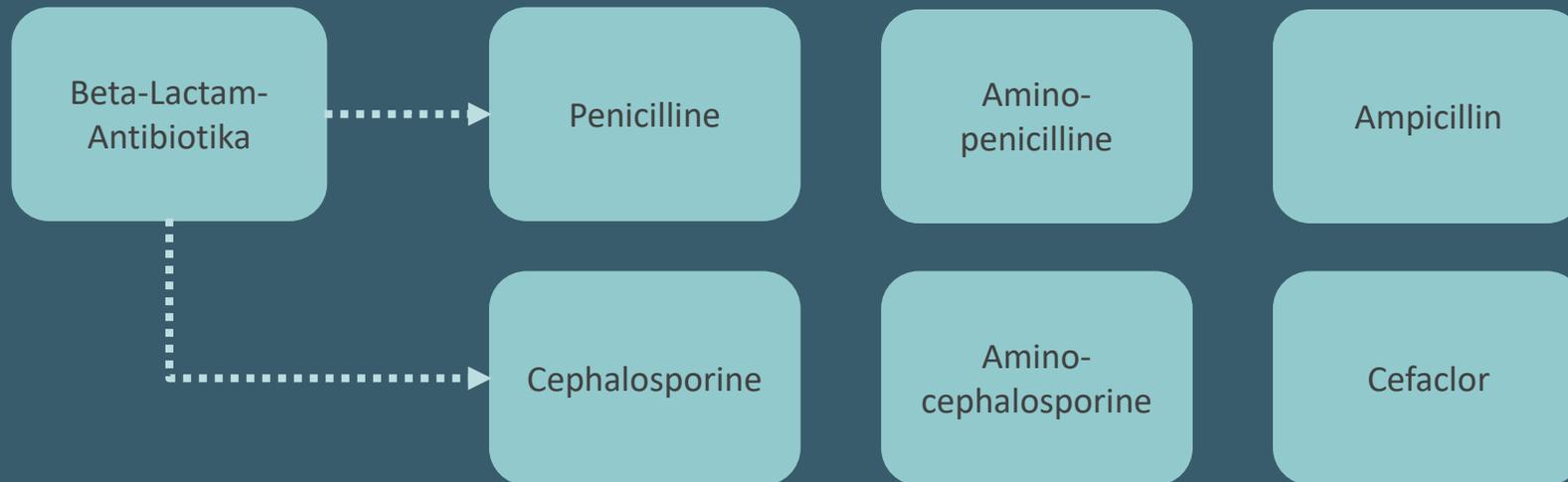
○ Granularitätslevel?

<i>Malus domestica</i> (Apple)				
Mal d 1	Pathogenesis-related protein, PR-10, Bet v 1 family member	17.5 kDa		Food
Mal d 2	Thaumatin-like protein	23 kDa		Food
Mal d 3	Non-specific lipid transfer protein type 1 (nsLTP1)	9 kDa		Food
Mal d 4	Profilin	N.A.		Food

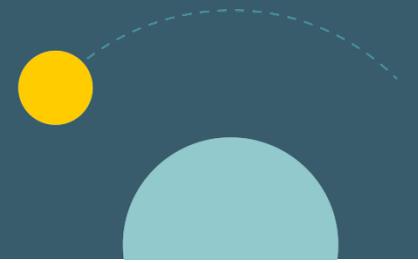
- ▼ ● Natural material (substance)
 - ● Inorganic natural material (substance)
 - ▼ ● Organic natural material (substance)
 - ▼ ● Animal material (substance)
 - ▶ ● Animal agent (substance)
 - ▶ ● Animal bone (substance)
 - ▼ ● Animal dander (substance)
 - ● Cat dander (substance)
 - ● Cow dander (substance)
 - ● Dog dander (substance)
 - ● Guinea pig dander (substance)
 - ● Horse dander (substance)
 - ● Rabbit dander (substance)



- Granularitätslevel?
- Stoffgruppen (z.B. Penicilline)



- Granularitätslevel?
- Stoffgruppen (z.B. Penicilline)
- Bei Arzneimitteln: Produkt-Bezug (v.a. im Rahmen der AMTS-Prüfung)

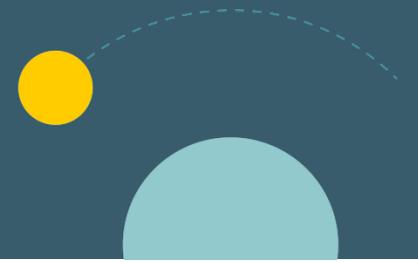




Vorgehen

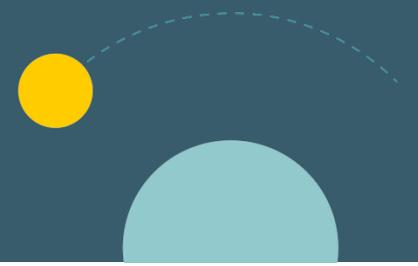


- Ähnliche offene Fragen und Probleme
- Ähnliche Strukturen
- Noch proprietäre Codesysteme, aber SNOMED CT als gangbare Lösung

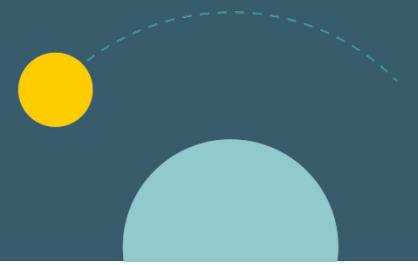


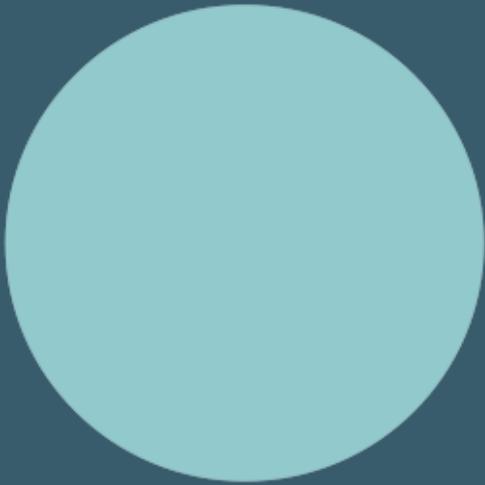
Diskussion/Recherche zu Allergiedokumentation mit relevanten Playern

- ID Berlin
- ifap
- Dosing
- Software-Hersteller
- BfArM
- ...



Fragen? Anmerkungen? Ideen?





ValueSet „LocationQualifier“ und „Laterality“

Juni 2024

Julia Hummel

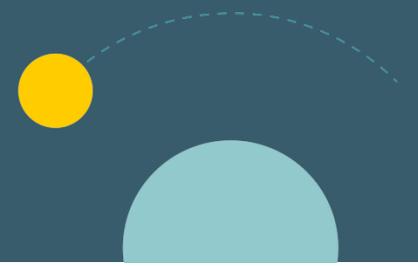
Team Medizinische Modellierung und Terminologien





**Abbildung der
Probenentnahmestelle**

MIO Labor



Structure UML XML JSON Turtle R3 Diff All

Structure

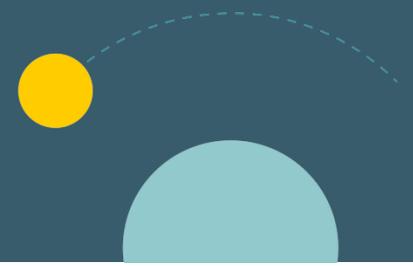
Name	Flags	Card.	Type	Description & Constraints
BodyStructure	TU		DomainResource	Specific and identified anatomical structure Elements defined in Ancestors: id, meta, implicitRules, language, text, contained, extension, modifierExtension
identifier	Σ	0..*	Identifier	Bodystructure Identifier
active	?! Σ	0..1	boolean	Whether this record is in active use
morphology	Σ	0..1	CodeableConcept	Kind of Structure SNOMED CT Morphologic Abnormalities (Example)
location	Σ	0..1	CodeableConcept	Body site SNOMED CT Body Structures (Example)
locationQualifier		0..*	CodeableConcept	Body site modifier Bodystructure Location Qualifier (Example)
image		0..*	Attachment	Attached images
patient	Σ	1..1	Reference(Patient)	Who this is about

? Documentation for this format



Code	Display
419161000	Unilateral left
419465000	Unilateral right
51440002	Bilateral
261183002	Upper
261122009	Lower
255561001	Medial
49370004	Lateral
264217000	Superior
261089000	Inferior
255551008	Posterior
351726001	Below
352730000	Above

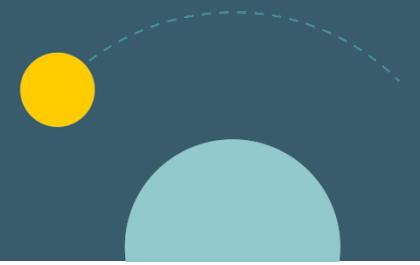
Resource BodyStructure R4



Update FHIR-Spezifikation



BodyStructure	I			BodyStructure
meta	Σ	1..1		Meta
text		0..1		Narrative
★ extension	S	I	0..1	Extension
★ laterality	S	I	0..1	Extension
morphology	S	Σ	0..1	CodeableConcept
location	S	Σ	0..1	CodeableConcept
locationQualifier	S		0..*	CodeableConcept
patient	S	Σ I	1..1	Reference(KBV_PR_MIO_LAB_Patient)



Trennung in zwei ValueSets

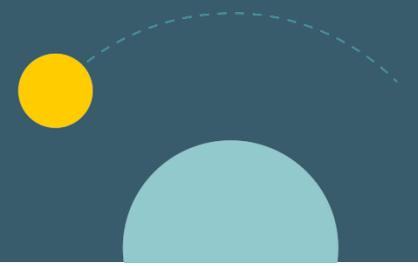
„Lokalisation Körperstelle“

Code	Wiedergabename
7771000	Left (qualifier value)
24028007	Right (qualifier value)
46053002	Distal (qualifier value)
40415009	Proximal (qualifier value)
255554000	Dorsal (qualifier value)

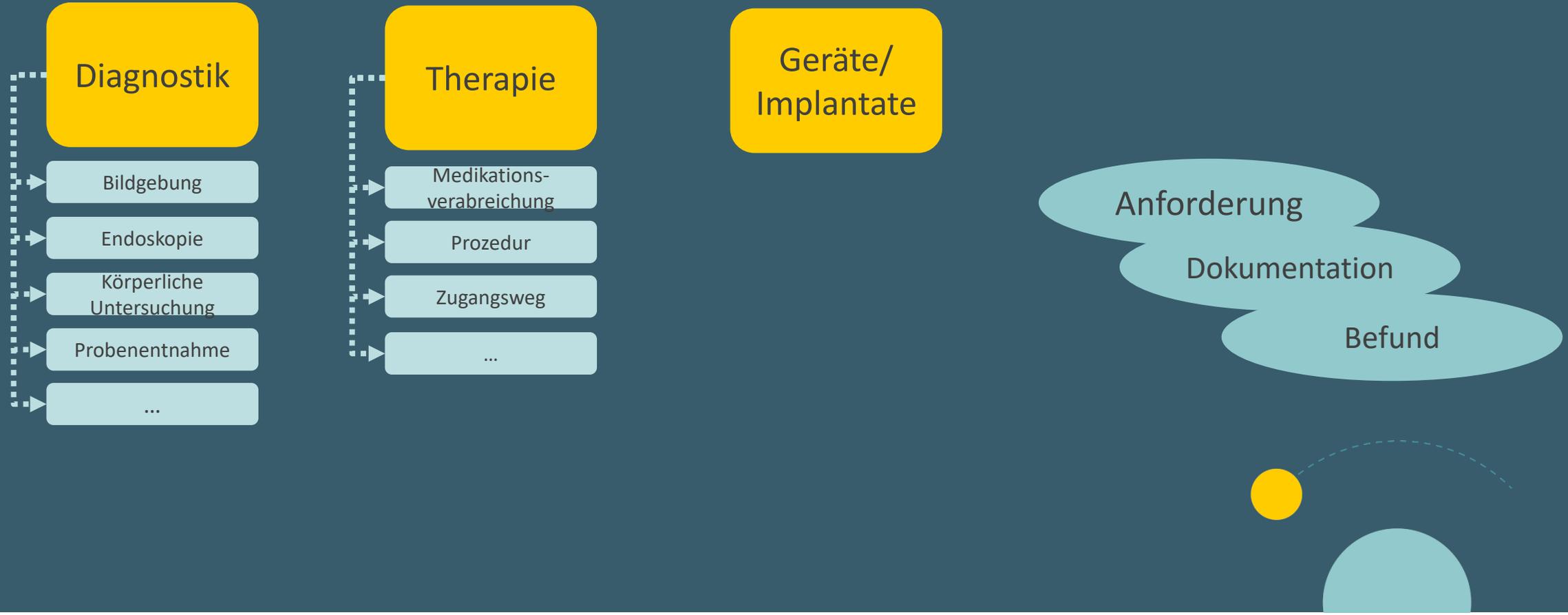
Lokalisation ≠ Lateralität

„Lateralität Körperstelle“

Code	Wiedergabename
7771000	Left (qualifier value)
24028007	Right (qualifier value)
51440002	Right and left (qualifier value)

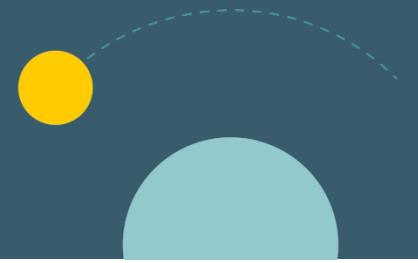


In welchem Kontext kann man eine Körperstelle abbilden?

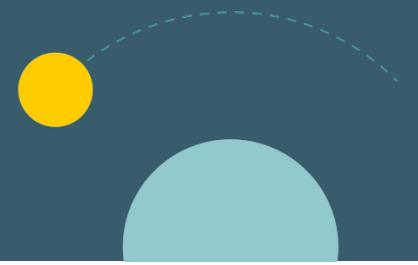


ValueSet „Lokalisation Körperstelle“ - Inhalt

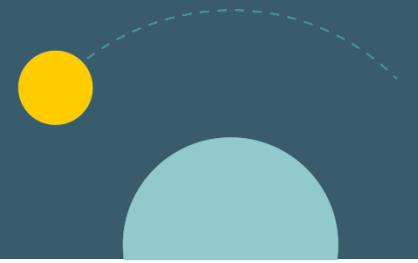
- Generische Codes (z.B. anterior, inferior)
- Organ-spezifische Codes? (z.B. tibial, oral)
- Kombinierte Codes? (dorsolateral, etc.)
- Weitere Codes unter Berücksichtigung weitere use-cases (Achsen, Ebenen, Verläufe, etc.)



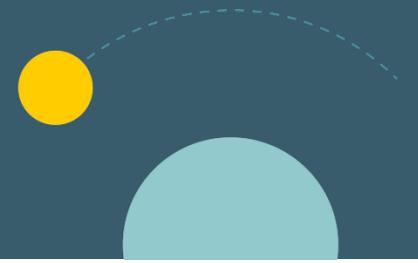
- Aktuell generische Codes (anterior, posterior, lateral, medial, etc.)
- Ggf. Ergänzung zur Abbildung Organ-spezifischer Angaben für MIO Labor (z.B. Quadranten, Steinschnitt-Positionen)



- Change requests SNOMED CT
- Freigabe zur Kommentierung
- Weiterleiten an KBV-Basis/deutsche FHIR-Basis
- Nachschärfen/ ergänzen je nach use-case (Ebenen, Achsen, etc.)



Fragen? Anmerkungen? Ideen?



**Danke für Ihre Aufmerksamkeit
und bis zum nächsten Mal!**

