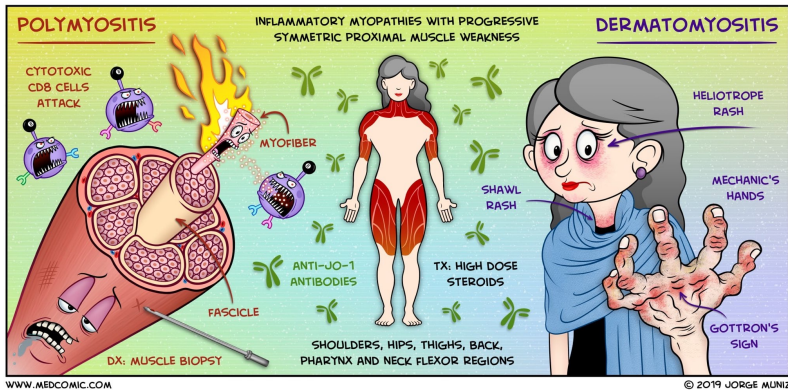


Investigating Dermatomyositis & Polymyositis in Adults and Children

Phenotyping helps us understand health and disease to further help scientists with ways of diagnosing and treating people



Various diseases are assigned codes and put into a vocabulary "dictionary" type list which can be sifted through on R studio

- Step 1) Phenotyping Proposal
- Step 2) Is there a suitable cohort

Step 3) Generating a Codelist to Create a Phenotype

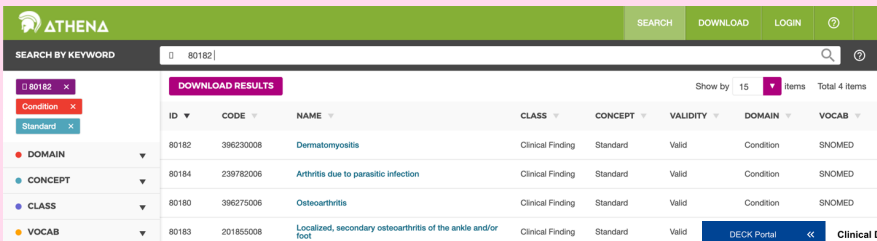
```
phenotype_codes <- getCandidateCodes( cdm=cdm,
  keywords = "Polymyositis",
  domains = c("Condition", "Observation"),
  standardConcept = "Standard",
  searchInSynonyms = T,
  searchViaSynonyms = F,
  searchNonStandard = F,
  includeDescendants = T,
  includeAncestor = F,
  verbose=TRUE )

phenotype_codes <- getCandidateCodes( cdm=cdm,
  keywords = "Dermatomyositis",
  domains = c("Condition", "Observation"),
  standardConcept = "Standard",
  searchInSynonyms = T,
  searchViaSynonyms = F,
  searchNonStandard = F,
  includeDescendants = T,
  includeAncestor = F,
  verbose=TRUE )
```

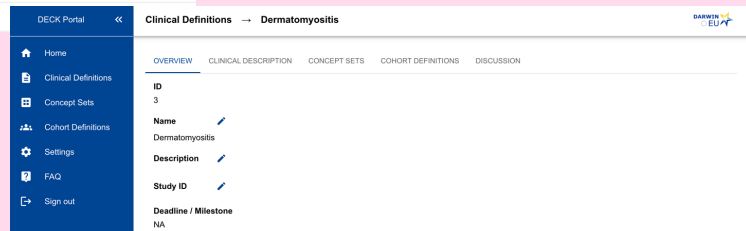
Suggested logic description: Codelists for PM & JPM:

- DM
 - Diagnoses
 - 80182 Dermatomyositis
 - 4081250 Dermatomyositis sine myositis
 - 4344161 Dermatomyositis with malignant disease
 - 46270398 Disorder of respiratory system due to dermatomyositis
 - 4084268 Idiopathic dermatomyositis
 - 4270868 Adult onset dermatomyositis
 - Clinical manifestations
 - 73001 Myositis
 - 79908 Muscle weakness
 - 442752 Muscle pain
 - 4134537 Connective tissue disease overlap syndrome
 - 4280820 Calcinosi
 - 31317 Dysphagia (disorder)
 - 4083305 Gottron's papules (finding)
 - 4135412 Periorbital erythema
 - 37311082 Erythematous rash
 - 4314120 Poikilodermatomyositis
 - Heliotrope rash (?)

Step 4) Checking the Cohort



ID	CODE	NAME	CLASS	CONCEPT	VALIDITY	DOMAIN	VOCAB
80182	39623008	Dermatomyositis	Clinical Finding	Standard	Valid	Condition	SNOMED
80184	239762006	Arthritis due to parasitic infection	Clinical Finding	Standard	Valid	Condition	SNOMED
80180	396275006	Osteoarthritis	Clinical Finding	Standard	Valid	Condition	SNOMED
80183	201855008	Localized, secondary osteoarthritis of the ankle and/or foot	Clinical Finding	Standard	Valid	Condition	SNOMED



DECK Portal << Clinical Definitions -- Dermatomyositis

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- FAQ
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OVERVIEW | CLINICAL DESCRIPTION | CONCEPT SETS | COHORT DEFINITIONS | DISCUSSION

ID: 3

Name: Dermatomyositis

Description: [checked]

Study ID: [checked]

Deadline / Milestone: NA

Step 5) Store COHORT Definitions in DECK (Darwin EU Cohort Definition Base)

→ This will then be checked and hopefully approved! 😊

By Nnemdi Akudu – NDORMS, University of Oxford