

# Morphology (MO)

CDISC German User Group Meeting

Nicola Tambascia

## Morphology (MO)

- ✓ Morphologie: ist die Lehre von der Struktur und Form der Organismen. Morphologische Beschreibungen haben sich zunächst nur auf makroskopisch sichtbare Merkmale wie Organe oder Gewebe bezogen. <sup>[1]</sup>
- ✓ Makroskopische Ergebnisse (z.B. Größe, Form, Farbe, und Abnormalitäten von Körperteilen oder Proben)
- ✓ Nicht als Ersatz von Oncology domains!
- ✓ MOLNKID wird verwendet um Prozeduren (PR) zu verlinken

<sup>[1]</sup> [http://de.wikipedia.org/wiki/Morphologie\\_\(Biologie\)](http://de.wikipedia.org/wiki/Morphologie_(Biologie)), 23-Feb-2013

# Morphology (MO)

Row	STUDYID	DOMAIN	USUBJID	DUSEQ	DUGRPID	DUTESTCD	DUTEST	DUORRES	DUORRESU
1	STUDYX	DU	2324-P0001	1	DUMO1	COILSTR	Coil Strength	1.5	Tesla
2	STUDYX	DU	2324-P0001	2	DUMO1	ANTPLANE	Anatomical Plane	CORONAL	
3	STUDYX	DU	2324-P0001	3	DUMO1	STHICK	Slice Thickness	1	mm
4	STUDYX	DU	2324-P0001	4	DUMO1	MATRIX	Matrix	256X256	
5	STUDYX	DU	2324-P0001	5	DUMO1	FLDVIEW	Field of View	24	cm
6	STUDYX	DU	2324-P0001	6	DUMO1	RCBDWTH	Receiver Bandwidth	16	kHz
7	STUDYX	DU	2324-P0001	7	DUMO2	COILSTR	Coil Strength	1.0	Tesla
8	STUDYX	DU	2324-P0001	8	DUMO2	ANTPLANE	Anatomical Plane	CORONAL	
9	STUDYX	DU	2324-P0001	9	DUMO2	STHICK	Slice Thickness	2	mm
10	STUDYX	DU	2324-P0001	10	DUMO2	MATRIX	Matrix	256X256	
11	STUDYX	DU	2324-P0001	11	DUMO2	FLDVIEW	Field of View	25	cm
12	STUDYX	DU	2324-P0001	12	DUMO2	RCBDWTH	Receiver Bandwidth	16	kHz

Row	DUSTRESC	DUSTRESN	DUSTRESU	VISITNUM	VISIT	VISITDY	DUDTC	DUDY
1 (cont)	1.5	1.5	Tesla	1	SCREENING	-7	2011-04-19	-7
2 (cont)	CORONAL			1	SCREENING	-7	2011-04-19	-7
3 (cont)	1	1	mm	1	SCREENING	-7	2011-04-19	-7
4 (cont)	256X256			1	SCREENING	-7	2011-04-19	-7
5 (cont)	24	24	cm	1	SCREENING	-7	2011-04-19	-7
6 (cont)	16	1	kHz	1	SCREENING	-7	2011-04-19	-7
7 (cont)	1.0	1.0	Tesla	2	Visit 1	1	2011-04-25	1
8 (cont)	CORONAL			2	Visit 1	1	2011-04-25	1
9 (cont)	2	2	mm	2	Visit 1	1	2011-04-25	1
10 (cont)	256X256			2	Visit 1	1	2011-04-25	1
11 (cont)	25	25	cm	2	Visit 1	1	2011-04-25	1
12 (cont)	16	16	kHz	2	Visit 1	1	2011-04-25	1

# Morphology (MO)

Row	STUDYID	USUBJID	RDOMAIN	IDVAR	IDVARVAL	RELTYPE	RELID
1	STUDYX	2324-P0001	MO	MOREFID	1234-5678		MODU1
2	STUDYX	2324-P0001	DU	DUGRPID	DUMO1		MODU1
3	STUDYX	2324-P0001	MO	MOREFID	1234-6666		MODU2
4	STUDYX	2324-P0001	DU	DUGRPID	DUMO2		MODU2

ROW	STUDYID	DOMAIN	USUBJID	MOSEQ	MOTESTCD	MOTEST	MOORRES	MOORRESU	MOSTRESC	MOSTRESN	MOSTRESU	MOLOC
1	STUDY01	MO	2324-P0001	1	WIDTH	Width	5	mm	5	5	mm	KIDNEY
2	STUDY01	MO	2324-P0001	2	WIDTH	Width	5	mm	5	5	mm	KIDNEY
3	STUDY01	MO	2324-P0001	3	LENGTH	Length	11	mm	11	11	mm	KIDNEY
4	STUDY01	MO	2324-P0001	4	LENGTH	Length	11	mm	11	11	mm	KIDNEY
5	STUDY01	MO	2324-P0001	5	DEPTH	Depth	2	mm	2	2	mm	KIDNEY
6	STUDY01	MO	2324-P0001	6	DEPTH	Depth	2	mm	2	2	mm	KIDNEY
7	STUDY01	MO	2324-P0001	7	VOLUME	Volume	25	mL	25	25	mL	LIVER
8	STUDY01	MO	2324-P0001	8	VOLUME	Volume	50	mL	50	50	mL	KIDNEY
9	STUDY01	MO	2324-P0001	9	VOLUME	Volume	50	mL	50	50	mL	KIDNEY
10	STUDY01	MO	2324-P0001	10	VOLUME	Volume	100	mL	100	100	mL	KIDNEY
11	STUDY01	MO	2324-P0001	11	MASS	Mass	25	g	25	25	g	HEART, LEFT VENTRICLE

ROW	MOLAT	MOMETHOD	VISITNUM	VISIT	MODTC
1 (cont)	LEFT	CT SCAN	1	Baseline	2010-06-19
2 (cont)	RIGHT	CT SCAN	1	Baseline	2010-06-19
3 (cont)	LEFT	CT SCAN	1	Baseline	2010-06-19
4 (cont)	RIGHT	CT SCAN	1	Baseline	2010-06-19
5 (cont)	LEFT	CT SCAN	1	Baseline	2010-06-19
6 (cont)	RIGHT	CT SCAN	1	Baseline	2010-06-19
7 (cont)		CT SCAN	1	Baseline	2010-06-19
8 (cont)	LEFT	CT SCAN	1	Baseline	2010-06-19
9 (cont)	RIGHT	CT SCAN	1	Baseline	2010-06-19
10 (cont)	BILATERAL	CT SCAN	1	Baseline	2010-06-19
11 (cont)		CT SCAN	1	Baseline	2010-06-19



# Microscopic Findings (MI)

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## Microscopic Findings (MI)

- ✓ Eine Observation pro microscopic finding
  - Biomarkers assessed by histologic or histopathologic examination (by employing cytochemical / immunocytochemical stains) or classified as 'PATH', 'CYTO' in LOINC will be stored in the MI domain.
  
- ✓ The variable MITSTDTL is used when biomarker tests are represented. It represents test parameter details descriptive of slide stain results (e.g., CELLS AT 1+ INTENSITY CYTOPLASM STAIN).
  - Note: MITESTCD reflects the biomarker of interest (e.g., BRCA1, HER2, TTF1) and MITSTDTL further qualifies the record. The MITSTDTL stain results are used across different biomarkers.

# Microscopic Findings (MI)

Row	STUDYID	DOMAIN	USUBJID	MISEQ	MITESTCD	MITEST	MITSTDTL	MIORRES	MIORRESU	MISTRESC	MISTRESN	MISTRESU	MILOC	MISPEC
1	ABC	MI	ABC-1001	1	TTF1	Thyroid Transcription Factor 1	Cells with 0 intensity of staining	25	%	25	25	%	LUNG	TISSUE
2	ABC	MI	ABC-1001	2	TTF1	Thyroid Transcription Factor 1	The percentage of cells with +1 intensity of staining	40	%	40	40	%	LUNG	TISSUE
3	ABC	MI	ABC-1001	3	TTF1	Thyroid Transcription Factor 1	The percentage of cells with 2+ intensity of staining	35	%	35	35	%	LUNG	TISSUE
4	ABC	MI	ABC-1001	4	TTF1	Thyroid Transcription Factor 1	The percentage of cells with 3+ intensity of staining	0	%	0	0	%	LUNG	TISSUE
5	ABC	MI	ABC-1001	5	TTF1	Thyroid Transcription Factor 1	H-Score of staining	110		110	110		LUNG	TISSUE

Row	MIDRVFL	MIMETHOD	VISIT
1 (cont)		IHC	SCREENING
2 (cont)		IHC	SCREENING
3 (cont)		IHC	SCREENING
4 (cont)		IHC	SCREENING
5 (cont)	Y	IHC	SCREENING

✓ PR and LB können auch über RELREC verlinkt werden, wenn Prozeduren oder zusätzliche Labor Tests auch erhoben wurden

# Cardiovascular Physiology (CV)

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Row	STUDYID	DOMAIN	USUBJID	CVSEQ	CVTESTCD	CVTEST	CVCAT	CVPOS	CVORRES	CVORRESU	CVSTRESC	CVSTRESN
1	XYZ	CV	XYZ-US-701-002	1	STENOSIS	Stenosis	NATIVE ARTERY	SUPINE	70	%	70	70
2	XYZ	CV	XYZ-US-701-002	2	STENOSIS	Stenosis	NATIVE ARTERY	SUPINE	<50	%	<50	
3	XYZ	CV	XYZ-US-701-002	3	STENOSIS	Stenosis	NATIVE ARTERY	SUPINE	>50	%	>50	
4	XYZ	CV	XYZ-US-701-002	4	STENOSIS	Stenosis	GRAFT		50	%	50	50

Row	CVSTRESU	CVMETHOD	CVLOC	CVLAT	CVDIR	VISITNUM	VISIT	CVDTC	CVDY
1 (cont)	%	MRI	LEFT MAIN CORONARY ARTERY			1	Visit 1	2011-04-15T11:58	1
2 (cont)	%		CORONARY ARTERY, ANTERIOR DESCENDING	LEFT	PROXIMAL	1	Visit 1	2011-04-15T11:58	1
3 (cont)	%	MRI	MID/DISTAL LEFT ANTERIOR DESCENDING CORONARY ARTERY			1	Visit 1	2011-04-15T11:58	1
4 (cont)	%	MRI	LEFT POSTERIOR DESCENDING ARTERY			1	Visit 1	2011-04-15T11:58	1