AXSANA-CRF	Patient-ID:

CRF 1a - Study entry

Status before neoadjuvant chemotherapy (NACT)

Patient data									
Age at time of diagnosis: years				Sex: □	female	Э	□ ma	le	
Side of breast cancer: ☐ left ☐ right				Height:	cr	n Weig	ght:	kg	
Signed written informed consent:				□ yes,	date: _				
Bilateral breast cance	er:			□ yes		□ no			
Distant metastasis:				□ yes		□ no			
Recurrent breast cancer:				\square yes		\square no			
Inflammatory breast	cancer:			□ yes		□ no			
Extramammary breas	st cancer:			□ yes		□ no			
History of any invasiv	e cancer or Do	CIS:		□ yes		□ no			
Supraclavicular lymp	h node metast	asis:		□ yes		□ no			
Parasternal lymph no	ode metastasis	:		□ yes		□ no			
Axillary surgery before	re NACT:			□ yes		□ no			
Pregnancy:				□ yes		□ no			
Patient suitable for s	urgical treatme	nt after	NACT:		□ yes		□ no		
Inclusion and exclusi	on criteria che	cked an	d fulfille	ed:	□ yes		□ no		
Scheduled for neoad	juvant chemotl	nerapy:		□ yes		□ no			
Has NACT already b	egun?			□ yes		□ no			
Histology – core bio	opsy of the br	east							
Subtype: □ NS	Γ/ductal □ lo	bular	□ mixe	ed ducta	al-lobula	ar 🗆	other: _		
ER:%	or	IRS		PgR:		_ %	or		IRS
HER2 status:		□ posi	itive	□ nega	ative				
Lymphovascular inva	sion:	□ yes		□ no		□ not	reporte	ed	
Grading:	□1 □2	□ 3	□ 4						
Ki-67:		%	□ unk	nown					
Pretherapeutic T sta	age (before N	ACT)							
Max. tumor size:			mm, b	ased on	:				
	☐ Mammogra	aphy	□ Ultra	asound		☐ MR	l.		Т
cT:	□ 1	□ 2		□ 3		□ 4			
Focality:	□ unifocal	□ bifo	cal	□ ≥ 3 t	umors				
Multicentricity:	□ yes	□ no							
									1

AXSANA-CRF	Patient-ID:

CRF 1b – Study entry Status before neoadjuvant chemotherapy (NACT)

Pretherapeutic N stage (before NACT)			
Suspicious nodes on palpation:	□ yes	□ no	
Suspicious nodes on ultrasound:	□ yes	□ no	
Suspicious nodes on MRI:	□ yes	□ no	□ not performed
Suspicious nodes on PET:	□ yes	□ no	□ not performed
Max. number of suspicious nodes: ☐ 1	□2 □3	□ ≥ 4	
Minimally invasive node biopsy: ☐ No	ot performed	□ FNA	☐ Core biopsy
		Date:	
Number of nodes biopsied: □ 0 □ 1	□2 □≥	: 3, of these:	Positive:
			Negative:
			Inconclusive:
Max. size of the largest suspicious lymph	node:	mm	
Final classification:	□ cN+		
Marking of the target lymph node (TLN	l): □yes □r	o Date:	
Lymph node metastasis confirmed by bio	psy/FNA before	marking (i.e. c	ytological/
pathological report available before insert	ting the marker)	:□yes□n	10
Number of marked lymph nodes: ☐ 1	□2 □≥3		
Max. size of the largest marked node:	n	nm	
Type of marker: □ Carbon ink □ Rad	ioactive seed	☐ Magnetic se	ed □ Radar marker
☐ Clip/Coil (Manufacturer und type:		J)
□ other:			·
Under what guidance was the marker i	nserted? □ UI	trasound Ma	ammography □ MRI
□ PET-CT □ other:			•
_ : _ : _ : _ <u>_</u> :			
Places ontar the nationt into the Su	ıbioot Idontifi	cation-l og a	nd fill in the oCPE

Please enter the patient into the <u>Subject-Identification-Log</u> and fill in the <u>eCRF</u> so that the study patient can be registered.

This printed form is for internal documentation. Its use is optional.

AXSANA-CRF	Patient-ID:

CRF 2 = to be completed after neoadjuvant therapy =

Remember that Quality of life questionnaires must be completed by the patient within 4 weeks <u>before</u> surgery!

in paper ver	estionnaires brision? □ yestestionnaires b	s 🗆 no)		-		e r electr □ yes	onically or ☐ no
Neoadjuvant system Anthracycline admin HER2-targeted thera if yes: ☐ Trastuzum	istered: ☐ yes apy administere ab ☐ Pertuzu	□ no d: umab	□ othe	Taxane □ yes er:				
Number of planned of	chemotherapy of	cycles: _	, Nu	mber of	f admini	istered c	cycles: _	
T stage after neoad Max. tumor size:			mm, b	ased or				
усТ:	□ Mammogra □ 0	aphy □ 1	□ Ultra	asound 2		□ MRI □ 3		□ PET □ 4
N stage after neoac	ljuvant therap	y (befor	e surg	ery)				
Suspicious nodes or Suspicious nodes or Suspicious nodes or Suspicious nodes or Preoperative minima not done FN Imaging-pathology-c Final classification:	n ultrasound: n MRI: n PET: nlly invasive bio A □ core biop oncordance:	□ yes □ yes □ yes □ yes psy (afte	□ no □ no □ no er NAC	□ uncl □ uncl T):	lear lear	□ not p □ not p □ not p gnant	performe performe □ benig	ed ed
Planned axillary staging: □ ALND (Axillary lymph node dissection) □ TAD (Targeted axillary dissection = SLNB + TLNB) □ SLNB (Sentinel lymph node biopsy) □ SLNB + radiography of the SLN but without specific search for the TLN □ TLNB (Target lymph node biopsy) □ Other:								
In case of TAD: How patient have already							e used i □ ≥ 30	
To be completed on the node(s) before MRI performed betwif yes, artifacts visible if yes, assessment o	NACT: een marker pla e?	cement	and su	rgery? □ Yes	□ Yes			_

AXSANA-CRF

Patient-ID: -		_
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CRF 3a = to be completed after surgery =

Date of surgery:					
Total time from incisi	on to skin closure:			min.	
Breast surgery:	☐ Breast-conser	ving surgery	□М	astectomy	
Reconstruction:	□ yes		□ no)	
Surgery of the other br	east during the same pr	ocedure? I	□ yes	□ no	
Axillary surgery:					
Sentinel lymph node	(SLN) tracer injection:	: □ yes	□ no)	
if yes:					
Technique (multiple se	lection possible): 🏻 Dy	e □ Techn	etium 🗆 IC	G (indocy	anine green)
☐ SPIO (for exa	ample MagTrace) 🛛 O	ther:			
Lymphoscintigraphy pe	erformed:	□ yes l	□ no		
if yes: SLN iden	tified on scintigraphy:	□ yes l	□ no		
SLN removed:	\square yes, number: _		□ no		
if yes: Frozen s	section performed?	no l	□ yes, resu	lt:	
☐ Macrometastasis (>	2 mm) ☐ Micrometasta	asis (≤ 2 mm) 🗆 ITC 🗆	tumor-free	;
Radiography of the SLI	N performed: □	yes l	□ no		
if yes: Marker d	etected in the SLN:	yes I	□ no		
Has/have the TLN bee	en marked before neo	adjuvant the	erapy?	□ yes	□ no
if yes:					
Preoperative (post-N	ACT) localization of th	e target lym	ph node po	erformed:	\square yes \square no
(CAUTION: the question	on refers <u>not</u> to marking	of the node	before NAC	T!)	
if yes: ☐ Wire	□ Radioactive see	d □ Maç	gnetic seed	□ Skir	n marking
□ Ink □ Ra	dar marker 🛮 other: _				
Imaging-guided	localization: ultraso	und □ mam	mography	□ MRT	□ PET-CT
□СТ	☐ other:				
Number of pred	peratively localized targ	get lymph no	des:		
TLN localization	n: 🗆 successful 🗆	questionable)		

AXSANA-CRF Patient-ID: _ _ - _ _ - _ _

if no: why has the preoperative localization not been performed?
☐ initially planned but marker not visible
□ not planned
☐ unnecessary due to planned intraoperative localization
□ other reasons:

AXSANA-CRF	Patient-ID:

CRF 3b = to be completed after surgery =

Intraoperative loca	lization of the target lymp	h node attem	pted: □ yes □ no	
marker inserted into	stion refers to intraoperative the node[s] before NACT, i e seeds used as TLN marke	not to SLN sea	•	
	raoperative ultrasound	•	ation □ Gamma nr	nhe
•	Magnetic probe ☐ Palpatio		•	
TLN removed:	☐ yes, during TAD	D/TLNB/SLNB,	number of TLNs:	
	☐ yes, during ALN	ID, number of	TLNs:	
	☐ no ☐ not appl	licable (no mar	ker used)	
if yes: Froze	en section of the TLN perform	med? □ r	no □ yes, resu	ılt:
☐ Macromet	astasis (> 2 mm) □ Microm	netastasis (≤ 2	mm) □ ITC □ tumor-	free
Marker detected in t	he TLN:	□ yes	□ no	
Radiography of the	TLN performed:	□ yes	□ no	
if yes: marke	r visible on radiography:	□ yes	□ no	
Ultrasound of the TL	N performed:	□ yes	□ no	
if yes: marke	r visible on ultrasound:	□ yes	□ no	
To be completed o	nly in case a clip/coil mar	ker was inser	ted before NACT:	
	ultrasound visualization of th n ultrasound? □ yes	ne clip/coil atte □ r	mpted? □ yes	□ no
ALND performed:	□ yes □ n	10		
if yes: □ as one pro	ocedure	procedure, da	te:	
Radiography of the	ALND specimen performed:	:□yes□r	10	
Marker detected in t	he ALND specimen but not	in the TLN spe	ecimen: □ yes □ no	
Further oncologica	al breast surgeries perforn	ned: □ y	ves □ no	
Final result:	☐ Breast conservation		Mastectomy	
Have <u>all</u> markers ir	nserted before NACT been	removed du	ring SLNB/TAD/TLNB	/ALND?
□ yes □ no	☐ not applicable (no mark	kers inserted b	efore NACT)	
if no: is one of the m	narkers still in the patient?	□ yes	□ no □ unclear	
Additional imaging to	o identify lost marker(s) per	formed: yes	s, specify:	🗆 no
Was an additional p	rocedure necessary to remo	ove lost marke	r(s) or is it planned?	
□ yes, pleas	e specify:			🗆 no

AXSANA-CRF	Patient-ID:

CRF 4

= Pos	stoperati	ve hi	stopa	thol	ogy =	=	
Tumor stage after NACT	: ypT _			ypN _			
Resection margin after of							
	-	_	(R0)			R1/R2)	
Residual Cancer Burder		•	` ,	•	,	,	rformad
						-	
Sinn's regression score						•	rtormed
Other classifications / R	esult:						
Summarized lymph node Was at least one node b □ yes, how many?	oth SLN and	d TLN (-	ogy):	
	Number					des with:	_
	of	⊢ Ma	cro-	ı Mı	cro-	ITC	Tumor-
	removed		stasis				free
SLN = TLN	_						
Further TLN (non-SLN)	removed						
Further TLN (non-SLN) Further SLN (non-TLN)	removed						
Further TLN (non-SLN)	removed						
Further TLN (non-SLN) Further SLN (non-TLN) Further nodes removed during staging procedure	removed						
Further TLN (non-SLN) Further SLN (non-TLN) Further nodes removed during staging procedure (e.g. because of	removed						
Further TLN (non-SLN) Further SLN (non-TLN) Further nodes removed during staging procedure (e.g. because of suspicious palpation	removed						
Further TLN (non-SLN) Further SLN (non-TLN) Further nodes removed during staging procedure (e.g. because of	removed						
Further TLN (non-SLN) Further SLN (non-TLN) Further nodes removed during staging procedure (e.g. because of suspicious palpation or additional nodes removed during search for TLN)	removed						
Further TLN (non-SLN) Further SLN (non-TLN) Further nodes removed during staging procedure (e.g. because of suspicious palpation or additional nodes removed during search for TLN) ALND	removed						
Further TLN (non-SLN) Further SLN (non-TLN) Further nodes removed during staging procedure (e.g. because of suspicious palpation or additional nodes removed during search for TLN)	removed						
Further TLN (non-SLN) Further SLN (non-TLN) Further nodes removed during staging procedure (e.g. because of suspicious palpation or additional nodes removed during search for TLN) ALND	removed nodes	meta	stasis	meta	nstasis		
Further TLN (non-SLN) Further SLN (non-TLN) Further nodes removed during staging procedure (e.g. because of suspicious palpation or additional nodes removed during search for TLN) ALND Total	removed nodes	meta	atasis	meta	es!		

AXSANA-CRF	Patient-ID:

CRF 5 = Planned adjuvant treatment =

Planned systemic	therap	y after	the s	urgery	' :			
Endocrine therapy:		□ yes	□n	0				
Chemotherapy:		□ yes	□n	0				
if yes:	□ Cap	pecitabin	ne	□ oth	er:			
HER2-targeted ther	ару:	□ yes	□n	0				
if yes:	□ Tra	stuzuma	ıb	□ Per	tuzumab	□ T-DN	M 1	
	□ oth	er:						
Other:	□ yes	□ no,		if yes,	specify:			
Planned radiation	therap	y after t	the s	urgery	:			
Breast:		□ yes		□ no,	if yes: □ with	n Boost	□ wi	thout Boost
Thoracic wall:		□ yes		□ no				
Supra-/infraclavicul	ar:	□ yes		□ no				
Parasternal/medias	tinal:	□ yes		□ no				
Axilla:		□ yes		\square no				
if yes (multip	le sele	ction pos	ssible	e):	□ level I	□ level	H	□ level III
Axillary complicat	ions a	fter the	surg	ery (m	ultiple selecti	on possi	ble):	
☐ None								
□ Bleeding/her	natoma	a requirir	ng su	rgical i	ntervention			
□ Infection req	uiring a	antibiotic	S					
□ Infection req	uiring s	surgical i	nterv	ention				
☐ Seroma requ	ıiring p	uncture/	evacı	uation				
☐ Other:								

AXSANA-CRF	Patient-ID:

AXSANA-CRF 6a

= Follow up 1 year after surgery =

Date:				
!	Have the Quality of life quest either electronically or in par			•
The p	oatient is alive: □ ye	es 🗆 no)	
	Date of death:			
	Cause of death: ☐ breast ca	ancer \square othe	er maligna	ncy □ cardiovascular
	☐ treatmer	nt toxicity 🗆 i	nfection	□ unknown
	\square other, sp	ecify:		
Dista	nt metastasis:	□ yes	□ no	Date:
	if yes, histologically confirmed:	-		
	Site: □ lung □ pleura	□ brain □	skin □ b	one marrow 🛚 liver
	☐ bone ☐ peritoneum ☐ dist			•
Ipsila	nteral breast / chest wall recurr	ence: □ yes	□ no	Date:
	if yes, histologically confirmed:	\square yes	□ no	
	Invasive:	□ yes	□ no	
Carci	inoma of the contralateral brea	st: □ yes	□ no	Date:
	if yes, histologically confirmed:	□ yes	□ no	
	Invasive:	□ yes	□ no	
Lymp	oh node recurrence:	□ yes	□ no	Date:
	if yes, histologically confirmed:	□ yes	□ no	
	Location (multiple selection pos	ssible): 🗆 Ax	illa Level I	☐ Axilla Level II
	☐ Axilla Level III ☐ Paraster	nal □ Su	upra-/infra	clavicular
	☐ Other:			_

AXSANA-CRF	Patient-ID:

AXSANA-CRF 6b

= Follow up 1 year after surgery =

Radiation therapy	perfor	med:			
□ yes	□ disc	continued	□ no	t performed	
Breast:		□ yes	□ no, if yes	: □ with Boost	t □ without Boost
Thoracic wall:		□ yes	□ no		
Supra-/infraclavicul	ar:	□ yes	□ no		
Parasternal/medias	tinal:	□ yes	□ no		
Axilla:		□ yes	□ no		
if yes (multiple sele	ction p	ossible):	□ level l	□ level II	□ level III
Received adjuvanted Endocrine therapy: Chemotherapy:	-	□ yes □	no		
if yes:	□ Cap	ecitabine	□ other:		
HER2-targeted ther	ару:	□yes□	no		
if yes:		stuzumab er:		nab □ T-D	
Other:					
Is the patient curre	ently r	eceiving en	docrine thera	apy? □ yes	s □ no

AXSANA-CRF	Patient-ID:

AXSANA-CRF 7a = Follow up 2 years after surgery =

Date:				
The patient is alive:	□ yes	s □ no		
Date of death:				
Cause of death:	☐ breast car	ncer \square othe	r malignan	cy □ cardiovascular
	\square treatment	toxicity \square in	nfection \square	unknown
	□ other, spe	ecify:		
Distant metastasis:		□ yes	□ no	Date:
if yes, histologically	confirmed:	□ yes	□ no	
Site: □ lunç	g □ pleura	□ brain □	skin □ bo	ne marrow 🛚 liver
□ bone □ peritone	eum 🗆 dista	ant lymph noc	des □ adr	enal glands
□ other:				
Ipsilateral breast / chest	wall recurre	nce: □ yes	□ no	Date:
if yes, histologically	confirmed:	□ yes	□ no	
Invasive:		□ yes	□ no	
Carcinoma of the contra	lateral breas	st: □ yes	□ no	Date:
if yes, histologically	confirmed:	□ yes	□ no	
Invasive:		□ yes	□ no	
Lymph node recurrence	•	\square yes	□ no	Date:
if yes, histologically	confirmed:	\square yes	□ no	
Location (multiple s	election poss	sible): 🗆 Axi	lla Level I	☐ Axilla Level II
☐ Axilla Level III	□ Parastern	al □ Su	ıpra-/infracl	avicular
☐ Other:				
Is the patient currently re	eceivina enc	locrine thera	apv? □	ves □ no

AXSANA-CRF 7b = Follow up 3 years after surgery =

ļ	either electronically of	r in pap	er version?	□ yes	□ no
The	patient is alive:	□ yes	s □ no	0	
	Date of death:				
	Cause of death: □ b	reast ca	ncer 🗆 oth	er malignar	ncy 🗆 cardiovascular
	□ tr	eatment	toxicity \square	infection [□ unknown
	□ 0	ther, spe	ecify:		
Dista	ant metastasis:		□ yes	□ no	Date:
	if yes, histologically conf	firmed:	□ yes	□ no	
	Site: □ lung □	pleura	□ brain □	lskin □ bo	one marrow liver
	☐ bone ☐ peritoneum	□ dieta	ant lymph no	des 🗆 ad	renal glands
		_ dist	and lynnpin no		graniana
	□ other:				
Incil	□ other:				
lpsil	□ other:ateral breast / chest wall	recurre	ence: □ yes	□ no	
psil	□ other:ateral breast / chest wall if yes, histologically conf	recurre	ence: □ yes	□ no	
psil	□ other:ateral breast / chest wall	recurre	ence: □ yes	□ no	
	□ other:ateral breast / chest wall if yes, histologically conf	recurre firmed:	ence: □ yes □ yes □ yes	□ no □ no □ no	
	□ other: ateral breast / chest wall if yes, histologically conf Invasive:	recurre firmed: ral breas	ence: yes yes yes yes	□ no □ no □ no	Date:
	□ other: ateral breast / chest wall if yes, histologically conf Invasive: inoma of the contralater	recurre firmed: ral breas	ence: yes yes yes yes	□ no □ no □ no	Date:
Carc	other: ateral breast / chest wall if yes, histologically conf Invasive: inoma of the contralater if yes, histologically conf	recurre firmed: ral breas	ence: yes yes yes yes u yes	□ no □ no □ no □ no □ no □ no	Date:
Carc	other:ateral breast / chest wall if yes, histologically confinvasive: inoma of the contralater if yes, histologically confinvasive:	recurre firmed: al breas firmed:	ence: yes yes yes yes yes yes yes	□ no	Date:
Carc	other:ateral breast / chest wall if yes, histologically conf Invasive: inoma of the contralater if yes, histologically conf Invasive: ph node recurrence:	recurre firmed: al breas firmed:	ence: yes yes yes yes yes yes yes yes	□ no	Date:
Carc	other:ateral breast / chest wall if yes, histologically confinvasive: inoma of the contralater if yes, histologically confinvasive: ph node recurrence: if yes, histologically confinction (multiple select	recurre firmed: al breas firmed: firmed:	ence: yes yes yes yes yes yes yes yes	□ no	Date: Date: Date:

AXSANA-CRF 7c = Follow up 4 years after surgery =

Date:					
The patient is alive:	□ yes	s □ no			
Date of death:					
Cause of death:	□ breast car	ncer \square other	r malignand	cy 🗆 cardiovascular	
	☐ treatment	toxicity □ in	nfection \square	unknown	
	□ other, spe	ecify:			
Distant metastasis:		□ yes	□ no	Date:	
if yes, histologically	confirmed:	□ yes	□ no		
Site: □ lun	g □ pleura	□ brain □ s	skin 🗆 bo	ne marrow 🛚 liver	
□ bone □ periton	eum 🗆 dista	ant lymph nod	les □ adr	enal glands	
□ other:					
Ipsilateral breast / chest	wall recurre	nce: □ yes	□ no	Date:	
if yes, histologically	confirmed:	\square yes	□ no		
Invasive:		□ yes	□ no		
Carcinoma of the contra	lateral breas	s t: □ yes	□ no	Date:	
if yes, histologically	confirmed:	□ yes	□ no		
Invasive:		□ yes	□ no		
Lymph node recurrence	•	\square yes	\square no	Date:	
if yes, histologically	confirmed:	\square yes	\square no		
Location (multiple s	election poss	sible): 🗆 Axil	la Level I	☐ Axilla Level II	
☐ Axilla Level III ☐ Parasternal ☐ Supra-/infraclavicular					
☐ Other:	 				
Is the patient currently r	eceiving end	locrine thera	py? □	yes □ no	

AXSANA-CRF	Patient-ID:

AXSANA-CRF 7d = Follow up 5 years after surgery =

Have the Quality of life questionnaires been distributed to the patient either electronically or in paper version?					
Date of death: Date of death: breast cancer □ other malignancy □ cardiovascul					
Cause of death: ☐ breast cancer ☐ other malignancy ☐ cardiovascul					
☐ treatment toxicity ☐ infection ☐ unknown	ar				
_ treatment toxicity _ imposteri _ uminowii					
□ other, specify:					
Distant metastasis: ☐ yes ☐ no ☐ Date:					
if yes, histologically confirmed: \square yes \square no					
Site: □ lung □ pleura □ brain □ skin □ bone marrow □ live					
\square bone \square peritoneum \square distant lymph nodes \square adrenal glands					
□ other:					
Ipsilateral breast / chest wall recurrence: □ yes □ no Date:					
if yes, histologically confirmed: □ yes □ no					
Invasive: □ yes □ no					
Carcinoma of the contralateral breast: ☐ yes ☐ no ☐ Date:					
if yes, histologically confirmed: \square yes \square no					
Invasive: ☐ yes ☐ no					
Lymph node recurrence: □ yes □ no □ Date:					
if yes, histologically confirmed: □ yes □ no					
Location (multiple selection possible): ☐ Axilla Level I ☐ Axilla Level II					
☐ Axilla Level III ☐ Parasternal ☐ Supra-/infraclavicular					
□ Other:					