

Module 3 of the Diploma of Senology of the SGS/SSS: Practical Course 2 weeks in a Certified Breast Centre

I. Programme Design

The goal of this practical course is to train future senologists to apply a multidisciplinary approach in the treatment of patients with benign and malignant breast diseases. During this 2-week internship at a breast centre with a nationally or internationally recognised quality assurance certificate, trainees should enhance their understanding of the special needs of these patients.

Hands-on experience during the internship is desirable; pure observing, however, is accepted if requested by the certified breast centre. The practical course will be divided into one 5-day week of elective speciality rotation followed by one 5-day week of non-specialty rotation or vice-versa. We recommend passing the two weeks in a consecutive manner; however, a break between the two weeks of unspecified duration for logistic reasons is possible. For experienced sonologists, the 5-day week of elective specialty rotation can be omitted, and the non-specialty rotation doubled to 10 days accordingly. For trainees and experienced senologists working at a certified breast centre, passing module 3 in their own centre is possible, provided that the requirements described below can be met. In this case, only specialty rotations are valid (10 days). The signed confirmation of a week of elective specialty rotation at the “home discipline” of the trainee or experienced senologists at their own breast centre will not be accepted as part of module 3.

Mandatory aspects of the course are outlined by the checklist in chapter II. The completeness of each category must be confirmed by the signature of the attending physician responsible for each specific specialty and non-specialty rotation. Collective signature by the same person for all rotations is not valid.

On their elective 5-day specialty rotation given by the background discipline and future clinical focus of the trainees, they will improve their theoretical knowledge and technical skills in their area of specialty and learn how to closely cooperate with the other specialties involved in the care of patients with breast diseases. Participation in one pre- and one postoperative tumour board during this week is mandatory.

During their 5-day non-specialty rotation, trainees will rotate daily through the other disciplines involved in the management of patients with breast diseases. Mandatory rotations **exclude the specialty discipline** and **include**

- one day of radiology, one day of pathology,
- one day of oncologic breast surgery,
- one day of plastic-reconstructive breast surgery,
- one day of radiation oncology, one day of medical oncology and,
- one day of genetic/risk assessment.

Trainees will be expected to attend the specific conferences of each rotation day. **Since there are – with the exclusion of the specialty discipline – six non-specialty rotations for 5 days, the one which is the least interesting for the trainee or the one which is the most difficult to organise, can be omitted.** For those experienced senologists who decide to double the 5-day non-specialty rotation, the rotation can either be switched to two-day intervals at each of the five disciplines or the daily rotation can be continued for another week.

Therefore, an oncologic breast surgeon who comes from the original field of gynaecology or surgery will spend the elective 5-day specialty rotation mostly in diagnostics and oncologic breast surgery whilst spending one day in plastic-reconstructive surgery during the second week of non-specialty rotation. A reconstructive breast surgeon will spend the first week in plastic surgery and one day during the second week in oncologic surgery.

It is the personal responsibility of the applicants to organise the practical course in a certified breast centre of their choice by contacting the heads of the centres at an early stage. Certified breast centres willing to participate are listed in chapter III. Trainees may be interested, however, in completing this course at a different centre in Switzerland or abroad which, and which is not listed. In this case, we encourage the submission of this course description and checklist with the application documents to the chosen, not listed centre to ensure the centre's awareness of the module 3 requirements. In addition, we ask for validation of the breast centre as module 3 training centre by the directors (PD Dr. med. Univ. (A) Christoph Tausch; Dr. Alexandre Bodmer) or module 3 responsible (Prof. Walter Weber) early on.

II. Checklist

Name of certified breast centre (capital letters):

A. Elective speciality rotation (capital letters):

The attending physician confirms with her/his signature that the trainee was present fulltime during 5 working days and attended the weekly conference(s).

Name of attending physician (capital letters):

Signature of attending physician:

Date:

B. Non-speciality rotations (one day each is required with exception of the specialty discipline and one optional discipline of your choice, as described on page 1)

The attending physician confirms with her/his signature that the trainee was present during one full day and observed or assisted a **significant portion** of the following:

B1 Radiology

The trainee is encouraged to attend both the practical performance and the interpretation of the following imaging studies:

- Mammography, Ultrasound, MRI
- Imaging guided breast and axilla biopsy or fine needle aspiration procedures
- Imaging guided needle localization procedures
- Surgical specimen mammography or sonography

Name of attending physician (capital letters):

Signature of attending physician:

Date:

B2 Pathology

The trainee is encouraged to attend the specimen processing, gross description, and microscopic interpretation of the following:

- High risk lesion (on biopsy or surgical excision specimen), such as lobular intraepithelial lesion, atypical ductal hyperplasia, radial scar, or papillary lesion
- Sentinel lymph node (frozen section and final histopathology with or without immunohistochemistry)
- Mastectomy and tumourectomy/quadrantectomy specimen (including margin assessment)

Name of attending physician (capital letters):

Signature of attending physician:

Date:

B3 Oncologic breast surgery

The trainee is encouraged to observe or assist some of the following surgical procedures:

- Open biopsy of high-risk lesion
- Sentinel lymph node procedure
- Axillary lymph node dissection
- Breast conserving surgery – conventional or oncoplastic – of palpable or wire-localised DCIS or invasive breast cancer
- Mastectomy (conventional, skin or nipple sparing)

Name of attending physician (capital letters):

Signature of attending physician:

Date:

B4 Plastic-reconstructive breast surgery

The trainee is encouraged to observe or assist some of the following surgical procedures with at least one autologous tissue reconstruction:

- Oncoplastic breast conserving surgery of DCIS or invasive breast cancer by bi-disciplinary approach (oncologic and plastic surgeon present during most of the procedure)
- Immediate reconstruction with implant or expander
- Expansion of expanders during outpatient follow-up
- Replacement of expander with final implant
- Immediate reconstruction with autologous pedicled flap
- Immediate reconstruction with autologous free flap
- Delayed reconstruction with implant or autologous tissue

Name of attending physician (capital letters):

Signature of attending physician:

Date:

B5 Radiation oncology

The trainee is encouraged to discuss the indications and attend the pre-treatment planning and the practical performance of the following procedures.

- Adjuvant radiotherapy after breast conserving surgery (in prone or supine position). The position and extent of the radiation field should be discussed (regional nodes, boost), as well as the different protocols (conventional vs. hypo-fractionated vs. intraoperative).
- Adjuvant radiotherapy of the chest wall after mastectomy. The impact of radiation on reconstructive outcomes should be discussed.
- Palliative radiotherapy

Name of attending physician (capital letters):

Signature of attending physician:

Date:

B6 Medical oncology

The trainee is encouraged to.

- Follow the oncologist in the outpatient clinic
- Attend at least one first visit
- discuss the indications for the different chemotherapy regimens
- discuss the co-administration of medication to prevent side-effects
- observe the practical performance of at least one chemotherapy by the oncologic nurse.
- discuss the indication, benefit, and side-effects of adjuvant endocrine therapy and chemoprophylaxis

Name of attending physician (capital letters):

Signature of attending physician:

Date:

B7 Genetics/risk assessment

The trainee is encouraged to evaluate the latest advances in cancer genetics with the clinical geneticist and to observe the following topics of discussion with a patient:

- Individual cancer risk assessment
- Personalized cancer screening recommendations
- Risks, benefits, and limitations of genetic testing

Name of attending physician (capital letters):

Signature of attending physician:

Date:

III. List of participating breast centres

Place	Name	Centre Head/Contact	E-Mail
Aarau	Brust Zentrum Hirslanden Klinik, Aarau	Dr. med. Nik Hauser	brustzentrum.aarau@hirslanden.ch
Cham	Brust Zentrum Andreas Klinik, Cham, Zug	Dr. med. Meinrad Mannhart	meinrad.mannhart@hirslanden.ch
Aarau	Brustzentrum Mittelland KS Aarau	PD Dr. med. Dimitri Sarlos	gynaekologie@ksa.ch
Olten	Brustzentrum Mittelland KS Olten	Dr. med. Nebosja Stevanovic	frauenklinik.kso@spital.so.ch
Baden	Interdisziplinäres Brustzentrum Baden	PD Dr. med. Cornelia Leo	cornelia.leo@ksb.ch
Basel	Brustzentrum des Universitätsspitals Basel	Prof. Christian Kurzeder	christian.kurzeder@usb.ch
Basel	Brustzentrum Basel Bethesda Spital	Dr. med. Beat Amsler	beat.amsler@aerztehaus-allschwil.ch
Bellinzona	Centro di senologia della Svizzera Italiana	Inf. Lucia Manganiello Danesi	senologia@eoc.ch
Lugano	Centro di senologia della Svizzera Italiana	Inf. Lucia Manganiello Danesi	senologia@eoc.ch
Bern	Brustzentrum Bern (Lindenhofgruppe)	PD Dr. med. Gilles Berclaz	gilles.berclaz@lindenhofgruppe.ch
Bern	Brustzentrum Inselspital Bern	Prof. Dr. med. Michael Müller	Michel.Mueller@insel.ch
Solothurn	Brustzentrum Bürgerspital Solothurn	Dr. med. Franziska Maurer	fmaurer_so@spital.ktso.ch
Chêne-Bougeries	Brustzentrum Genf der Hirslandenklinik Grangette	Dr. med. Sindy Monnier	secretariat.monnier@grangettes.ch
Chur	Brustzentrum KS Grubünden, Chur	Dr. med. Peter Fehr	peter.fehr@ksgr.ch
Frauenfeld	Brustzentrum Spital Thurgau AG, Frauenfeld	Prof. Dr. med. Mathias Fehr	mathias.fehr@stgag.ch
Münsterlingen	Brustzentrum Spital Thurgau AG, Münsterlingen	Dr. med. Markus Kuther	markus.kuther@stgag.ch
Genf	Centre du Sein HUG, Genève	Dr. med. Alexandre Bodmer	alexandre.bodmer@hcuge.ch
Genolier/Fribourg	Centre du Sein GSMN, Genolier	Dr. med. Magdalena Kohlik	mkohlik@genolier.net
La Chaux-de-Fonds/Neuchâtel	Centre du Sein RHNE, La Chaux-de-Fonds	Dr. med. Charles Becciolini	charles.becciolini@rhne.ch
Lausanne	Centre du Sein CHUV, Lausanne	Dr. med. Assia Ifticene Treboux	assifticene@hotmail.com
Luzern	Brustzentrum am Seidenhof LUKS	Dr. med. Susanne Bucher	susanne.bucher@ksl.ch
Luzern	Brustzentrum St. Anna, Luzern	Prof. Dr. med. Peter Dubsy	leitung-brustzentrum.stanna@hirslanden.ch
Rheinfelden	Interdisziplinäres Brustzentrum Rheinfelden	Dr. med. Maik Haushchild	maik.hauschild@gzf.ch
St. Gallen	Brustzentrum Kantonsspital St. Gallen	Prof. Dr. med. Beat Thürlimann	beat.thuermann@kssg.ch
Grabs	Brustzentrum Spital Grabs	PD Dr. med. Seraina Schmid	seraina.schmid@srrws.ch
St. Gallen	Brustzentrum ZeTuP, Klinik Stephanshorn, St. Gallen	Dr. med. Véronique Dupont	veronique.dupont@zetup.ch
Thun	Brustzentrum Thun, Berneroberrland	Dr. med. Peter Diebold	brustzentrum@spitalstgag.ch
Winterthur	Brustzentrum KSW, Winterthur	Dr. med. Andreas Müller	andreas.mueller@ksw.ch
Zürich	Brustzentrum Klinik Hirslanden, Zürich	PD Dr med. Christoph Tausch	c.tausch@brust-zentrum.ch
Zürich	Brustzentrum Zürich (Kooperationspartner Brustkrebszentrum Hirslanden)	PD Dr med. Christoph Tausch	c.tausch@brust-zentrum.ch
Zürich	Brustzentrum Universitätsspital Zürich	PD Dr. med. Konstantin Dedes	konstantin.dedes@usz.ch
Zürich	Brustzentrum Stadtspital Triemli, Zürich West	KD Dr. med. Stephanie von Orelli	stephanie.vonOrelli@treimli.stzh.ch
Zürich	Brustzentrum Spital Limmattal, Zürich	Dr. med. Kathrin Kimmig	frauenklinik@spital-limmattal.ch