



UCCH Pathway

UCCH Guideline Lung Cancer

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Version Jun/2021

Guideline Lung Cancer

Version 07, Jun/2021

according to TNM classification 8th edition (UICC)

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Implemented

Apr/2008

Revised

May/2012, May/2014, May/2016, Dec/2018, Jun/2021

Next planned review

Jun/2023

Legend of Colours



= Therapeutic procedure



= Clinical or diagnostic condition



= Diagnostic procedure



= Clinical trial



= Supportive measure



= Referral



= Tumorboard
(including post
tumorboard interaction
with patient that follows
the principles of shared
decision-making)



= Progressive disease

Work up

• Baseline:

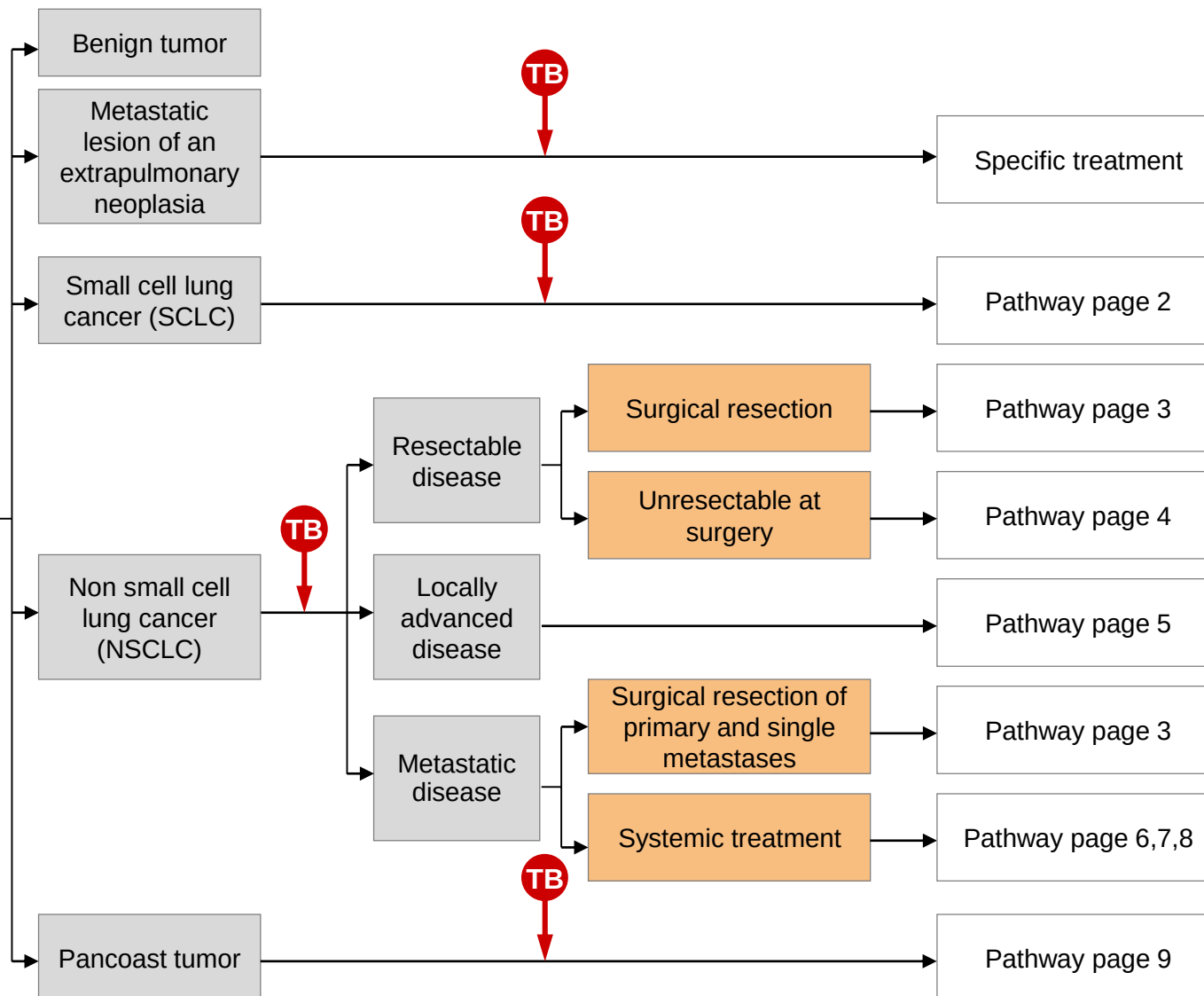
- Physical exam, smoking history
- Lab exam
- CT thorax and abdomen
- Pulmonary function tests
- Cytology/ histology (by bronchoscopy/EBUS, CT-guided puncture, primary surgery in case of solitary pulmonary nodule)
- PET-CT: NSCLC stage I-III B, stage IV if oligometastatic, SCLC (if limited/very limited stage is suspected)
- EUS/EBUS (stage I-III B, in case of suspicious lymphnodes in CT/PET-CT)

• Variable:

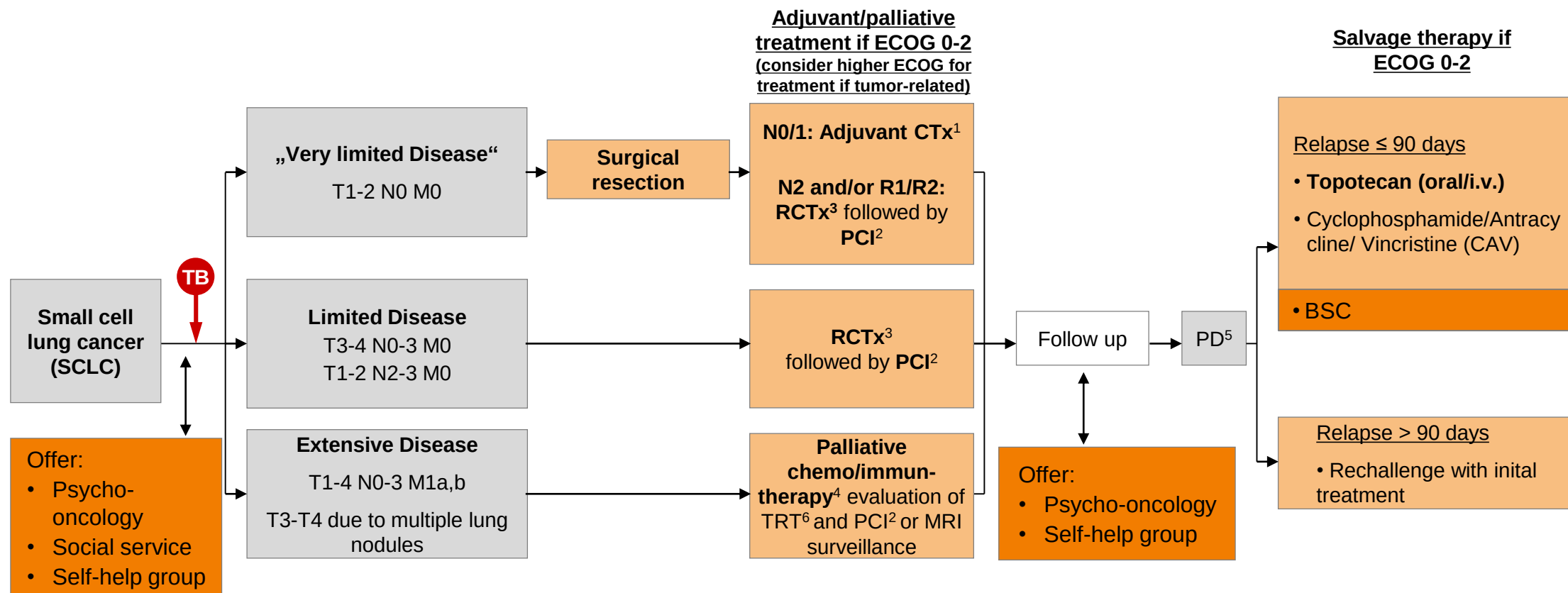
- Spiroergometry (preoperative evaluation in case of pathologic pulmonary function tests: FEV1<80%, DCO<80%)
- Pulmonary perfusion scintigraphy (in case of pathologic spiroergometry)
- MRI of the brain (NSCLC: suspected metastases, obligatory before curative surgery if primary tumor is ≥ 2 cm; SCLC: obligatory)
- Bone scan (SCLC: obligatory, unless PET-CT is performed, NSCLC: suspected metastases, unless PET-CT is performed)
- Mediastinoscopy (in case of radiographic suspicious lymphnodes with negative histology obtained by EUS/EBUS)

• Supportive:

- Offer contact to self help group, psychooncological support and early palliative care in case of metastatic disease



Pathway page 2: Small cell lung cancer (SCLC)



CTx Chemotherapy, , PCI Prophylactic Cranial Irradiation, RCTx Radiochemotherapy, BSC Best Supportive Care, PD Progressive Disease

¹ Adjuvant chemotherapy: Cisplatin/Etoposide 4 courses

² Prophylactic Cranial Irradiation: In case of complete or partial remission after primary therapy; CAVE: increased risk of neurocognitive side-effects if >70 and/or vasc. Disease; PCI is optional in extensive disease, MRI surveillance if PCI hasn't been performed

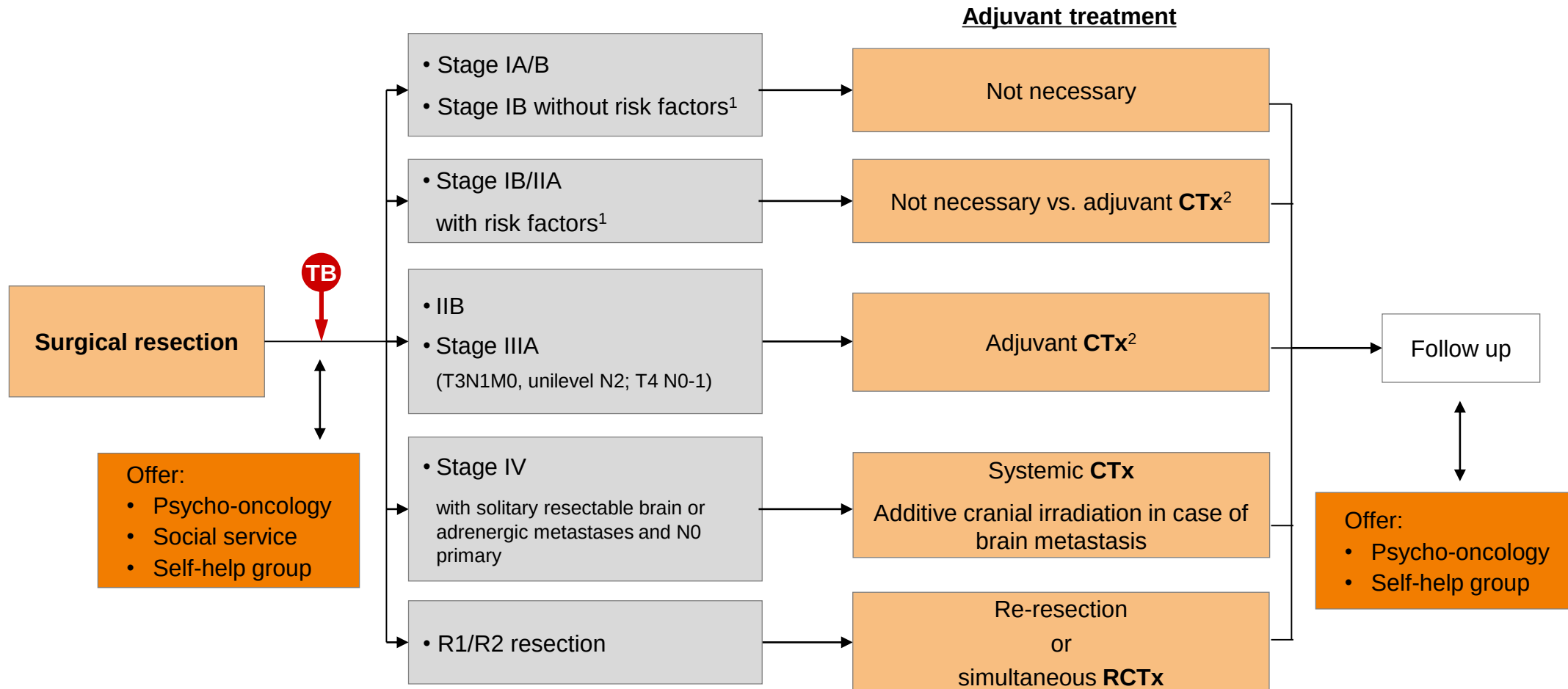
³ Simultaneous RCTx preferred to sequential if ECOG ≤ 2, systemic treatment: 4 courses Cisplatin/Etoposide

⁴ Palliative chemo/immunotherapy: Carboplatin/Etoposide 4-6 courses + Atezolizumab or Durvalumab

⁵ In refractory patients (e.g. progress during Platinum/Eto) or relapse < 6 weeks, benefit of further CTx is very poor.

⁶ TRT Thoracic Radiotherapy in patients responding to CT with residual thoracic mass

Pathway page 3: Surgical resection

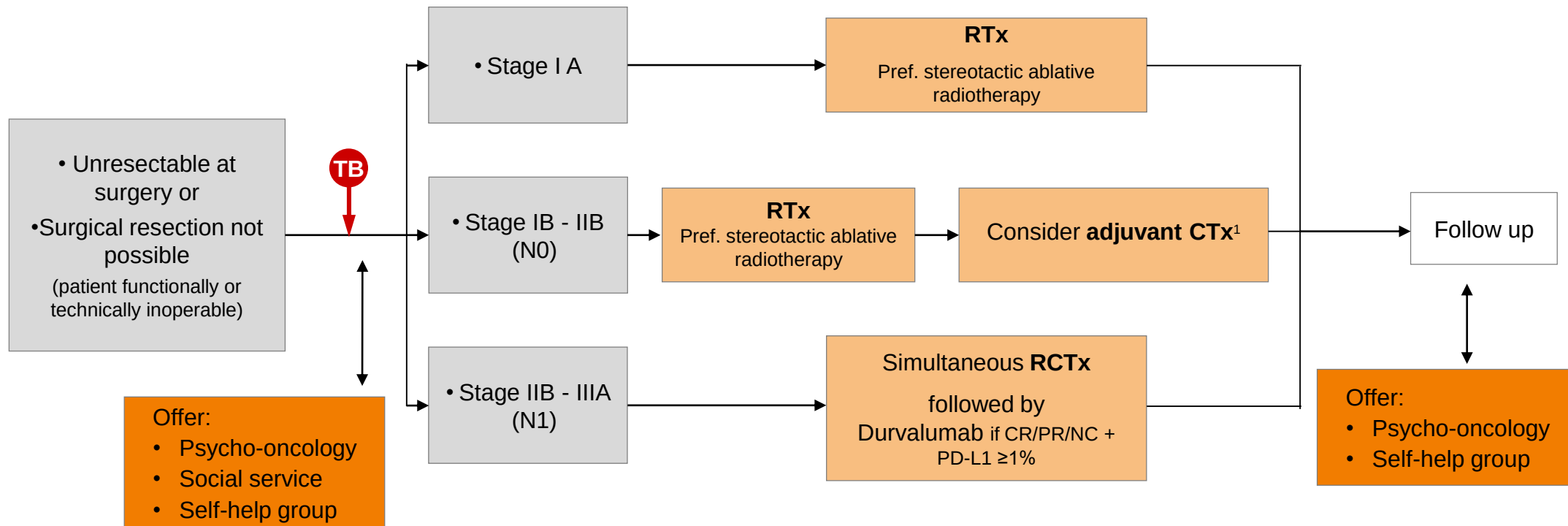


CTx Chemotherapy, RCTx Radiochemotherapy, HITOC Hyperthermic Intrathoracic Chemotherapy Perfusion

¹ Risk factors such wedge resection, visceral pleural involvement, vascular invasion

² Adjuvant chemotherapy (for ECOG 0-1): Platindoublet, 4 courses, plus Osimertinib maintenance in case of common activating EGFR mutation,

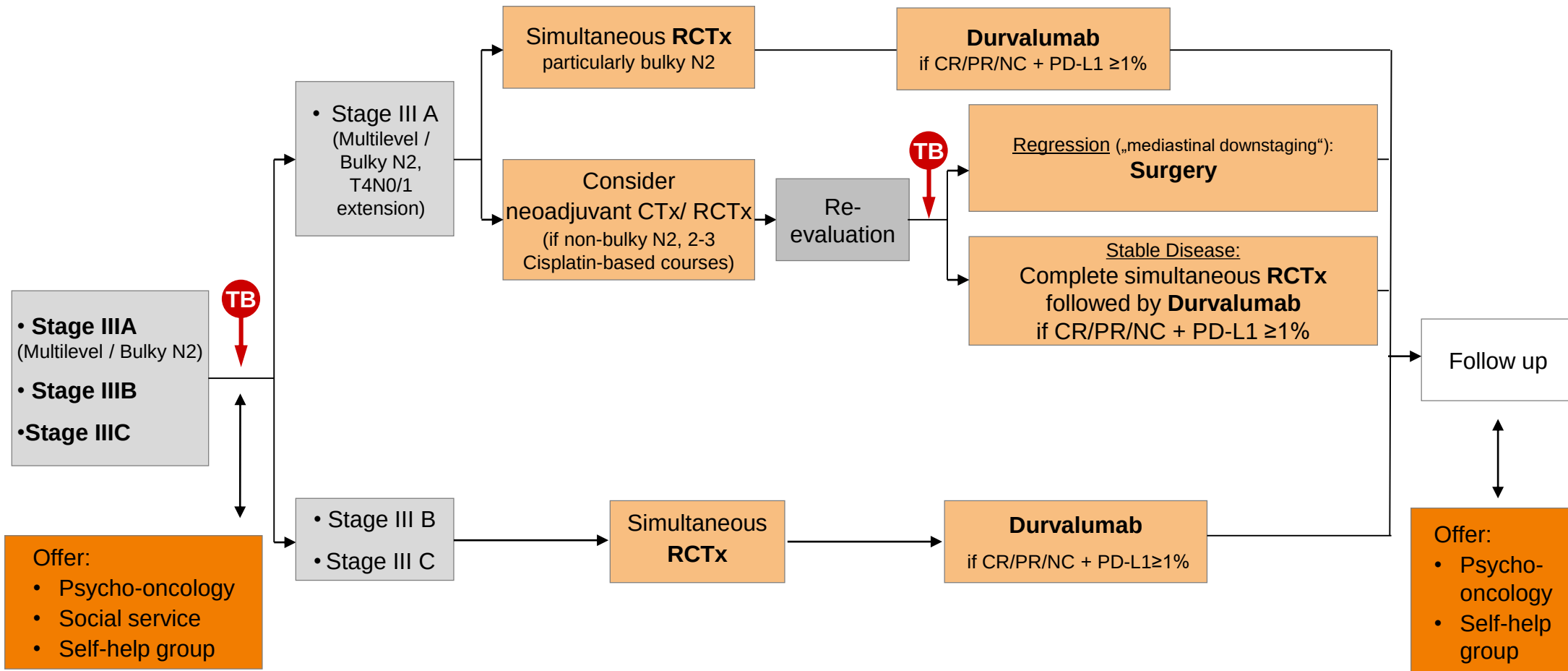
Pathway page 4: Unresectable at surgery, surgical resection not possible



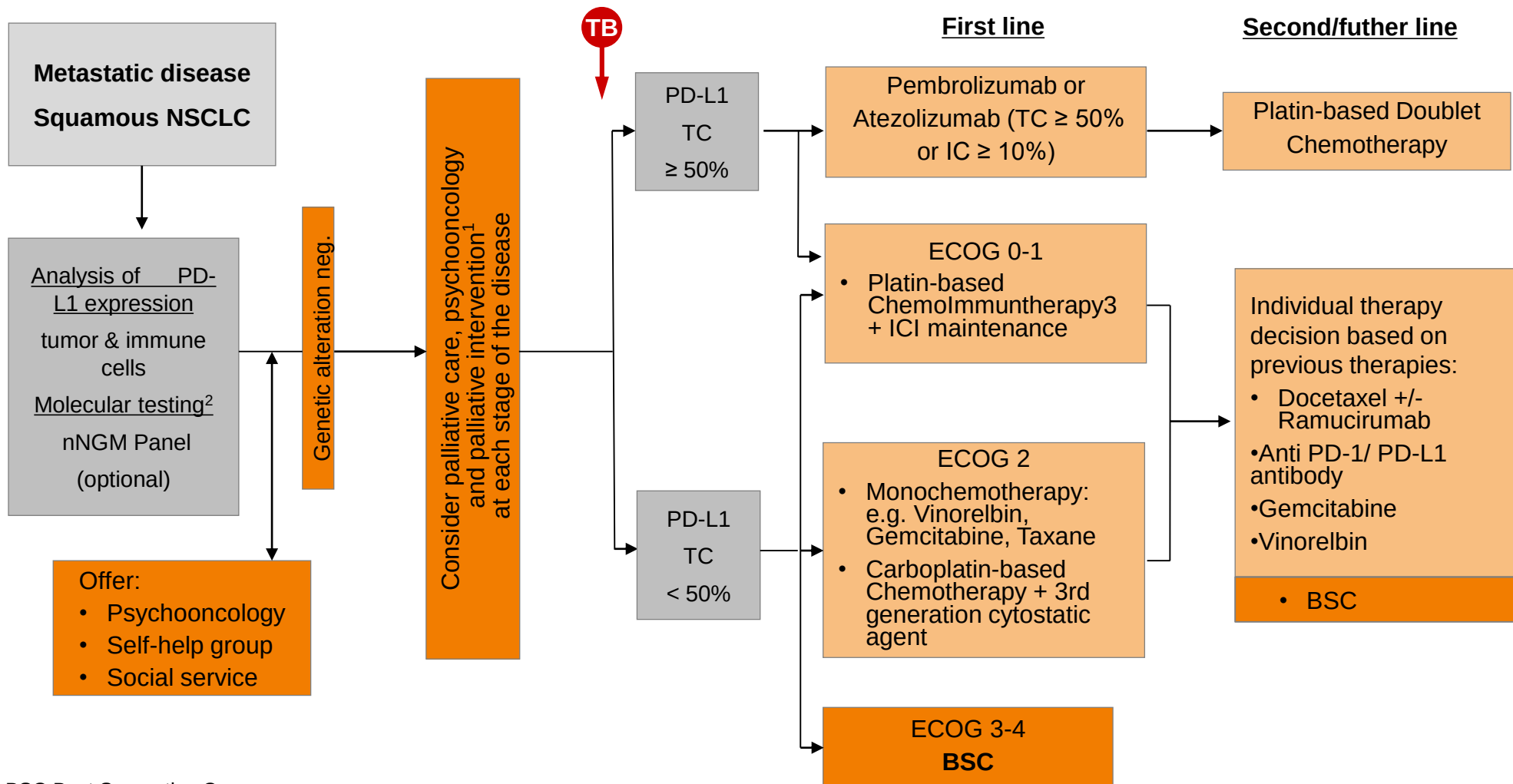
CTx Chemotherapy, RTx Radiotherapy, RCTx Radiochemotherapy

¹ Risk factors such as T-size > 4 cm, wedge resection, visceral pleural involvement

Pathway page 5: Locally Advanced



Pathway page 6: Squamous NSCLC Metastatic disease, systemic treatment, salvage therapy



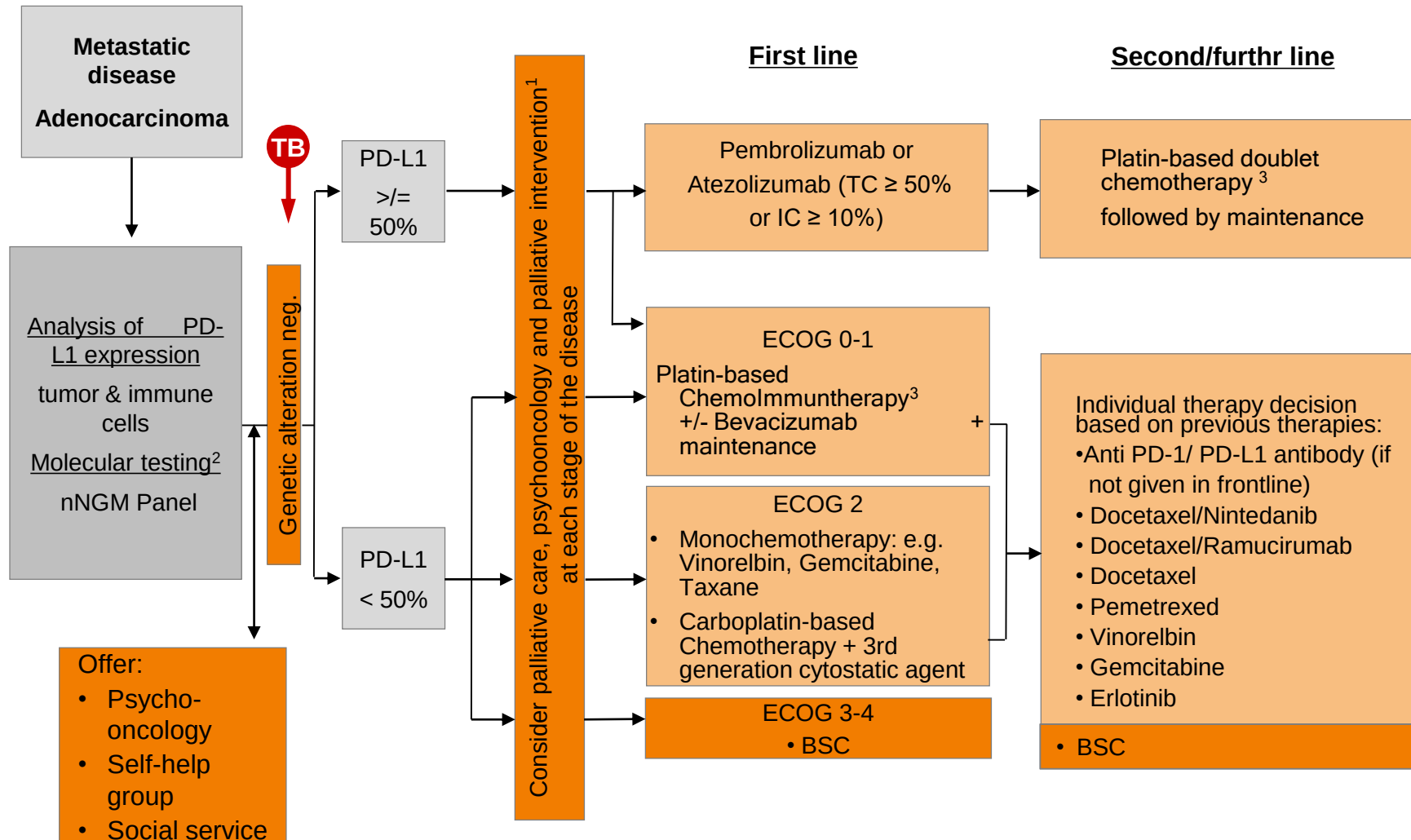
BSC Best Supportive Care

¹ See palliative care screening tool on page 10

² See molecular diagnostic panel on page 11

³ according to KN407, CM 9LA

Pathway page 7: NSCLC (adenocarcinoma without driver mutation) Metastatic disease, systemic treatment, salvage therapy

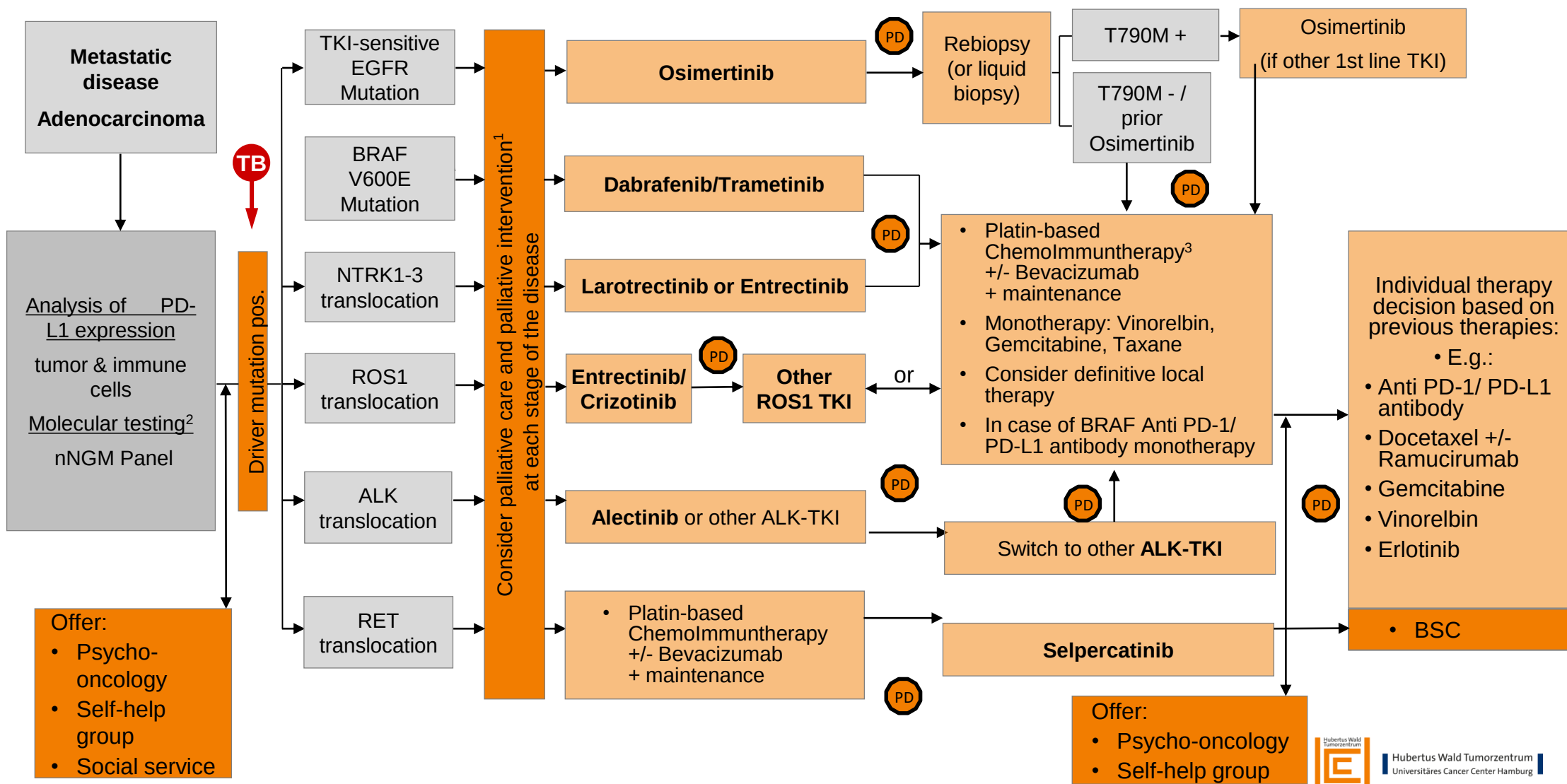


BSC Best Supportive Care

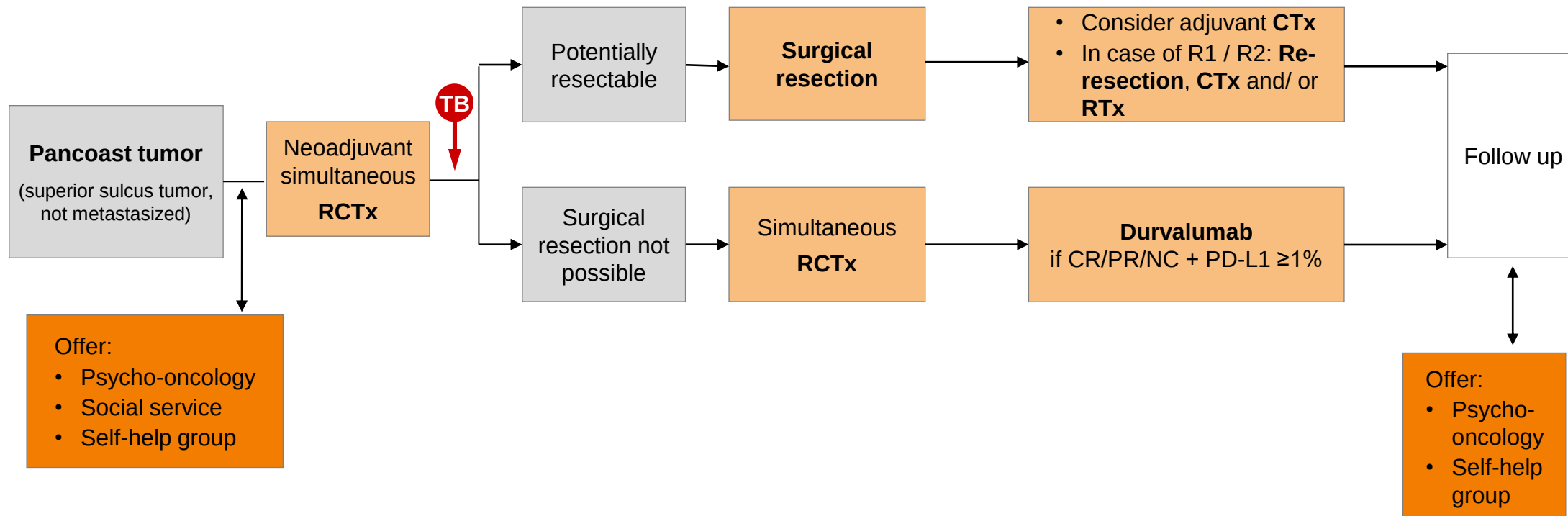
¹ See palliative care screening tool on page 10; ² See molecular diagnostic panel on page 11; ³ according to KN189, Impower 150, CM 9LA

Pathway page 8: NSCLC (adenocarcinoma with driver mutation)

Metastatic disease, systemic treatment, salvage therapy



Pathway page 9: Pancoast tumor



Pathway page 10: Follow - up

- Offer contact to self-help group and psychooncological support whenever necessary
- Offer oncologic rehabilitation to the patient

Follow-Up (months since end of therapy)*	3	6	12	18	24	36	48	60
History	X	X	X	X	X	X	X	X
physical exam	X	X	X	X	X	X	X	X
Chest imaging	X	X	X	X	X	X	X	X
Lung function	X	X	(X)	(X)	(X)			
Other diagnostic	Every 6-9 months review the indications for cerebral imaging in high risk patients							
(X) After Radiotherapy								

Palliative care screening tool

Screening items		Points
1.	• Presence of metastatic or locally advanced cancer	2
2.	• ECOG score (functional status score, performance status)	0-4
3.	• Presence of one or more serious complications of advanced cancer usually associated with a prognosis of < 12 months (e.g. brain metastases, hypercalcemia, delirium, spinal cord compression, cachexia)	1
4.	• Presence of one or more serious comorbid diseases also associated with poor prognosis (e.g. moderate-severe COPD or CHF, dementia, AIDS, end stage renal failure end stage liver cirrhosis)	1
5.	• Presence of palliative care problems	1
a.	• Symptoms uncontrolled by standard approaches	1
b.	• Moderate to severe distress in patient or family, related to cancer diagnosis or therapy (personal targets and expectations, educational and informational requirements, cultural factors)	1
c.	• Patient/family requests palliative care consult	1
d.	• Team needs assistance with complex decision making or determining goals of care (benefit/side effects of treatment)	1
e.	• Instable or deficient network especially for emergency situation or 24-h care	1

A total of > 5 points signalizes need for supportive palliative care

Molecular Diagnostic: based on nNGM V.1 Panel

Molecular diagnostics:
IHC, FISH, NGS

- **FISH**: ALK, ROS1, HER2, RET, NRG1, NTRK1-3, MET
- **NGS Panel**: ALK, BRAF, CTNNB1, EGFR, ERBB2, FGFR1-4, IDH1-2, KRAS, MAP2K1, MET, NRAS, PIK3CA, PTEN, ROS1, TP53
- **IHC**: PD-L1 (TC+IC)