MVB Common Data Elements for Collection of Mesothelioma Specimens PAPER FORMS [Based on Data Dictionary Version 09/20/07 – Additional File # 4]

USER INSTRUCTIONS

Form Completion Guidelines:

- 1) Priorities for completing the form are to fill out all required elements followed by any subset of data that will allow for inclusion in the MVB databank.
- 2) Any corrections of changes to the forms should be e-mailed to Nancy Whelan (whelanb@upmc.edu).

<u>STEPS involved in initial screening, inclusion and classification</u> <u>of MVB cases</u>

STEP 1 - **Pre-screening cases** (Research Assistant's Role)

Required Data Elements Pre-Check: These data element searches are recommended before pathologist review. Make sure the case has the following REQUIRED data elements before beginning microscopic examination:

- At least <u>1 blocks</u> are available on case that include mesothelioma or <u>1 block</u> for biopsy-only or metastatic cases.
- Gender, Date of Birth, Date of Diagnosis, Asbestos Exposure
 History, and Vital Status must be available to qualify a case and
 should be collected BEFORE microscopic exam and central review
 by the pathologist is initiated.
- ♦ Also # Nodes Examined/Positive must be available.

<u>NOTE</u>: If these data elements are not found, make a record of this case this for later discussion. We must determine the exclusion rate and if too high we may need modified "required" (asterisked) data elements.

STEP 2 - Pathologist Exam

The "pre-screened case" is given to pathologist who begins data recording (Pathologist's Role).

Pathologist determines priorities for entering cases in resected mesothelioma block matrix (Pathologist's Role)

- Priorities for entering cases in neoplastic block matrix
- These should assist the teams in picking the highest value blocks for the MVB archives.
- Since the matrix can include up to 4 blocks here are the recommendations for selection criteria:
 - 1) The first block should include the largest nodule of tumor (as specified by the CDE).
 - 2) The third through fourh blocks should include surgical margin involvement (SM) or angiolymphatic invasion (AL) [in that order of preference].
 - 3) The second block should include the second largest tumor.

4) Additionally, try to include at least one block of normal lung if possible (two blocks are preferred). If it is not possible to find a completely normal block, then include one with minimal amounts of mesothelioma tumor.

STEP 3 - Clinical Information Collection (Research Assistant's Role)

If possible, fill out the remaining parts of the form and include the time it took to complete this subsection.

STEP 4 - Biopsy CDE guidelines (Pathologist's Role)

For biopsy cases, a matrix similar to the resection was developed and the criteria are:

- 1) Can include one block or more (up to a maximum of 5).
- 2) Must at least include one neoplastic block and classify according to the biopsy matrix.
- 3) Try to submit as many blocks as possible.

STEP 5 - Frozen Tissue archive guidelines (Pathologist's Role)

- Some of the frozen blocks in the matrix will also have paraffin tissue

 please indicate this in the data element [Type of Block(s)
 Available].
- ♦ If there are only frozen blocks (site dependent), then please indicate this as described above.
- Try to include at least one block of normal lung if possible (two blocks are preferred). If it is not possible to find a completely normal block, then include one with minimal amounts of mesothelioma tumor.

<u>STEP 6 – Lymph Node/Metastasis CDE guidelines</u> (<u>Pathologist's Role</u>).

For lymph node and metastatic cases, the criteria are:

- Enter regional lymph node explorations prior to or equal to the resection date (but after the initial diagnostic biopsy) in the Lymph Node Block Matrix.
- Regional lymph nodes removed AFTER the resection of tumor, or distant lymph nodes should be entered in the Metastatic Tissue Block Matrix. Can include one block or more (up to a maximum of 5):
 - 1) Enter as many blocks available (Three blocks are preferred)
 - 2) If mutiple metastatic sites are present, then enter at least 1 block from each site.
 - 3) Try to include at least 1 block of normal tissue from the same site if possible (or a block with minimal amounts of tumor).

DEMOGRAPHICS - INTERNAL REFERENCE DATA (This section is NOT to be supplied to MVB Central Data Center - only for internal record keeping use only and NOT to be passed on to Central Data Center)

*1. MVB Number:	
*2. Institutional Identification Number	
3. Last Name:	
4. First Name:	
5. Social Security Number:	

DEMOGRAPHIC DATA

		oer:					
2. F	Race: (chec	ek one)					
	Bl. AI As Cf Ja Fil Ha	hite ack merican Indian/Aleutia iian, NOS ninese panese lipino awaiian orean iian Indian/Pakistani] [] [Lao Hm Kar Tha Mic Cha Gua	npuchean		Samoan Tongan Melanesian Fiji Islander New Guinean Other Asian Pacific Islander, NOS Other Unknown
2 I	dispanic C	origin: (circle one	, (a	Zes -	No		
	-	ease specify: (ch	- /	CS	110		
	☐ Puer	ican, including Chican to Rican an h or Central America			Spanish/His Spanish sur Dominican Unknown	name	•
4. (Gender: (c	ircle one)	Male	I	'emale	τ	J nknown
5. I	leight:	cm					
	_	kg					
		Physician:					
	•	athologist:					
		rgical procedur				/IIVI / Y	Y Y Y Y)
		e: /				_ I !	
ζII.	Date of F	Irst Positive IIs	sue Diagn	iosis o	riviesoth	ellor	na: / (MM/YYYY)
12	General I	Demographic Co	nments				•
12.	Gerierai I	zemograpine od	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				

EPIDEMIOLOGIC DATA

Data elements for genetic susceptibility to environmental carcinogens and other occupation safety and health related to mesothelioma cases.

1. Location: (circle one)	Urban	Rural	Mixed	l Unknown
*2. Past or Present History of	Exposure to	Asbestos: (circle one)
Yes	No) U	Inknown	
3. Past or Present Occupatio	n(s):			
or record companie				
4. History of Pulmonary Path	ology: (circle	e one) Yes	. No	Unknown
If Yes, please specify:				
Tes, piedes speeily.				
*5. History of Smoking:				
a. Circle one: Smoker (Curre	nt or Previous)	Current sr	noker	Previous smoker
•	lon-smoker	Unkno		TTC VIOUS SHIONET
) W 11	
b. If smoker, how many year				
c. If stopped, # of years sir		·		
d. Cigarettes smoked per de. Pack years?	ay:			
_	rala arra) C	Due	-riana N	lone Unknown
6. History of Alcohol Use: (cir	ŕ			
7. History of Other Cancer: (c	circle one)	Yes	No	Unknown
8. If Yes, please specify the t	ype of cance	er: (check all	that apply	y)
_	_			
Adrenal Adrenal	☐ Lary			Rectosigmoid
Anus	_	xemia		Rectum
Appendix	Live		빌	Skin
Bones	☐ Lung	=	╚	Spleen
☐ Breast		ph node		Stomach
Brain & CNS	_	othelioma		Testis
Colon	Ovai	-		Thyroid
☐ Cervix Uteri		Cavity		Urinary Bladder
Corpus Uteri		reatic	_ 📮	Other, NOS
☐ Esophagus		tid & Other Glan		Unknown
Gallbladder	☐ Phar			None
Head & Neck	Pleur			
☐ Kidney, Renal Pelvis, Uret	er 🗌 Pros	tate		
9. Family History of Cancer:	(circle one)	Yes	No	Unknown
•	`			
10. If Yes, please specify the	type of can	er: (check al	u that app	oly)
☐ Adrenal	☐ Lary	my		Prostate
Anus	=	nx xemia		Rectosigmoid
Anus Appendix				Rectum
☐ Bones				Skin
☐ Breast	_	s ph node		Spleen
Brain & CNS	=	othelioma		Stomach
☐ Colon	=			
□ Colon	☐ Ovai	'y		Testis

	Cervix	x Uteri			☐ Oral C	avity				Thyroid
	Corpu	ıs Uteri			Pancre	atic				Urinary Bladder
	Esoph	agus			Parotid	1 & C	ther	Glands		Other, NOS
	Gallbl	adder			Pharyn	X				Unknown
	Head a	and Neck			☐ Larynx					None
	Kidne	y, Renal Pelv	is, Ureter		Pleura					
11. First Degree Relatives with Mesothelioma: (check all that apply)										
			Mother		Half Broth	ıer		Grandfath	er	
			Father		Half Sister	•		Grandmot	her	
			Sister		Son			Unknown		
			Brother		Daughter			None		
12. First Degree Relatives with Any Other Type of Cancer: (check all that apply)										
			Mother		Half Broth	ıer		Grandfath	er	
			Father		Half Sister	•		Grandmot	her	
			Sister		Son			Unknown		
			Brother		Daughter			None		
13. Any Non-first Degree Relatives with Mesothelioma: (circle one) Yes No Unknown *14. Any Imaging Study(ies) Done in the Patient? (check all that apply)										
		X-ray	□ м	[amme	oram		Rο	ne scan	П	Unknown
		CT scan		ngiogr	_			ET scan	_	CIMIOWII
	H	MRI study		-Q sca		H		RCP study		
	H	Ultrasound		-	ıclide scan		No	=		
	ш	Om asound	K	auioiii	ichue scan	ш	110	nic		
15. Gener	15. General Epidemiologic Comments:									

SPECIMEN AVAILABILITY (INVENTORY SUMMARY) This section will show the types of specimens available through the MVB resource.

1. Are Mesothel	ioma Re	sect	ed specime	ens a	available? (circl	le one)
		Yes	No		Unkn	own	l
2. Type(s) of M	esothelic	oma	Resected s	pec	imens avail	lable	e: (check all that apply)
	Paraffin		Bulk Frozen		Fresh Frozen		Glass Slides
3. Are Mesothel	ioma Bio	psy	specimes	avai	lable? (circl	le on	e)
		Yes	No		Unkn	own	L
4. Type(s) of M	esothelic	oma	Biopsy spe	cim	ens availab	le: ((check all that apply)
	Paraffin		Bulk Frozen		Fresh Frozen		Glass Slides
5. Are Regional	Lymph I		-	s av	,		·
		Yes	No		Unkn		
6. Type(s) of Re	egional L	ymp	h Node sp	ecim	nens availal	ole:	(check all that apply)
	Paraffin		Bulk Frozen		Fresh Frozen		Glass Slides
7. Are Metastat	ic specin	nens Yes	available?	(cir	cle one) Unkn	own	
8. Type(s) of M	etastatic	spe		ailak			
	Paraffin		Bulk Frozen		Fresh Frozen		Glass Slides
9. Are Whole Bl	ood sam	ples	available?	(cir	cle one)		
		Yes	No	(Unkn	own	
10. Are Plasma	samples	ava	ilable? (cir	cle o	one)		
		Yes	No		Unkn	own	l.
11. Are Serum	samples	avai	lable? (circ	le or	ne)		
		Yes	No		Unkn	own	I
12. Are Red Blo	od Cells	(RB	Cs) availab	le?	(circle one)		
		Yes	No		Unkn	own	l
13. Are Periphe	ral Blood	oM k	nonuclear	Cell	s (PBMCs)	avai	lable? (circle one)
		Yes	No		Unkn	own	l
14. Are DNA sa	mples av		•	one)			
		Yes	No		Unkn	own	
15. Are Macroso	copic ima	_		(cir	,		
		Yes	No		Unkn	own	
16. Are Microsc	opic ima	_		(ciro			
		Yes	No		Unkn	own	

ANATOMICAL PATHOLOGY CHARACTERICTICS

Overall Histopathological Characteristics of Mesothelioma Specimen: Enter the overall characteristics of the pathology resection specimen.

*1. Accession Number (i.e. SP-91-645):	
*2. Months Between Diagnosis and Accession:	months
*3. Type of Procedure: (check all that apply)	
□ Core needle biopsy □ Open thoracotomy □ Percutaneous needle biopsy □ Pleural resection □ Incisional biopsy □ Pneumonectomy □ Thoracoscopic biopsy □ Pericardial resection □ Biopsy, not specified □ Peritoneal resection	 □ Lymph node resection □ Lymph node biopsy □ Other □ Not Specified
4. Site of Specimen: (check all that apply)	
□ Right visceral pleura □ Right pleura □ □ Left visceral pleura □ Left pleura □ □ Right parietal pleura □ Pleura □ □ Left parietal pleura □ Pericardium □ □ Diaphragmatic pleura □ Peritoneum	Pelvic peritoneum Metastasis Other Not Specified
5. Site of Metastasis:	
6. Invasive Tumor Present? (circle one) Yes No Unknown 7. Primary or Metastatic Tumor? (circle one) Primary Metastasis 8. Date of Resection or Biopsy:/ (Not applicable Not specified MM/YYYY)
9. Tumor Size: Tumor size can be determined? (circle one) Ye Greatest dimension: cm Additional dimension: cm Maximum thickness: cm *10. Most Prominent Histological Type of Invasive Ca	
□ Epithelial or epithelioid □ Biphasic □ □ Sarcomatoid □ Multicystic □ □ Desmoplastic □ Papillary □	_
*11. Tumor Differentiation or Grade: (check one)	
	Not specified Not applicable
12. Size of Largest Individual Nodule of Cancer: *13. Tumor Configuration: (check one)	cm
☐ Exophytic ☐ Papillary ☐ Di	ffuse

	☐ Endophytic ☐ ☐ Nodular ☐	- ,	Localized Not Specified				
14. Extent of Invasion: (check all that apply)							
 □ Lung parenchyma □ Endothoracic fascia □ Contralateral pleur □ Soft tissue of chest v □ Rib 	a Mediastinum	o Omentui	um				
15. Surgical Margin Yes	•	rcle one) Unknown	Not applicable				
16. Presence of Angiolymphatic Invasion: (circle one) Yes No Unknown Not applicable 17. Extrapleural, Extraperitoneal or Extrapericardial Extension: (circle one) Yes No Unknown Not applicable 18. Additional Pathologic Findings: (check all that apply) Ferruginous bodies Acute inflammation Changes of talc pleurodesis Pleural plaques Chronic inflammation Other Pulmonary interstitial fibrosis Mixed inflammation None identified 19. Histochemical Profile:							
20. Immunohistochemical Profile:							
21. Ultrastructural Findings:							
22. General Comments Section on Resection/Biopsy:							

Neoplastic Paraffin Block Matrix: (These are multiple entry fields.

Up to 4 blocks preferred)

The Paraffin block matrix section will allow the collection of block details on cases that meet the minimum requirements for inclusion into the resource.

NOTE: Priorities for entering cases in resected mesothelioma block matrix.

- These should assist the teams in picking the highest value blocks for the MVB archives.
- Since the matrix can include <u>up to 4 blocks</u> here are the recommendations for selection criteria:
 - 1) The <u>first block</u> should include the largest nodule of tumor (as specified by the CDE)
 - 2) The <u>third and fourth blocks</u> should include surgical margin involvement (SM) or angiolymphatic invasion (AL) (in that order of preference).

NOTE: If SM, and AL do not occur, select the next largest area of tumor for 3 and 4 block of the matrix. 3) The <u>second block</u> should include the second largest tumor. 1. Block Matrix: Type(s) of Block(s) Available: (check one) ☐ Frozen ☐ Paraffin □ Both 2. Block Matrix: Accession Number (i.e. SP-91-645): 3. Paraffin Block Matrix: Block Number (i.e. 1A, 12AA): _____ 4. Paraffin Block Matrix: Most Prominent Histological Type: (check one) ☐ Epithelial or epithelioid ☐ Biphasic ☐ Other ☐ Sarcomatoid ☐ Multicystic ☐ Not Specified ☐ Desmoplastic ☐ Papillary ☐ Unknown 5. Paraffin Block Matrix: Size of Largest Individual Nodule of Cancer: 6. Paraffin Block Matrix: Presence of Positive Surgical Margin (SM): (circle one) Unknown Not applicable Yes No 7. Paraffin Block Matrix: Presence of Angiolymphatic Invasion (AL): (circle one) Unknown Not applicable Yes No 8. Paraffin Block Matrix: Block Comments: ______ Try to include at least one block of normal lung if possible (two blocks are

Non-Neoplastic Paraffin Block Matrix:

preferred). If it is not possible to find a completely normal block then include one with minimal amounts of mesothelioma tissue.

1. Paraffin Resection Specimen Non-Neoplastic Block #1 (i.e. 1A, 12AA):	
—————— 2. Paraffin Resection Specimen Non-Neoplastic Block #2 (i.e. 1A, 12AA):	
	

3. General Comments on Paraffin Blocks: _____

Neoplastic Frozen Bulk Block Matrix: (These are multiple entry fields. Up to 4 blocks preferred)

Same as above.

NOTE: This section is for the FROZEN BLOCK matrix.

It is very possible that some (or all) of the frozen blocks in the matrix will also have paraffin tissue. When this happens, indicate this in data element [Type of Block(s) available]. On occasion there may be some blocks that are only frozen (site dependent) - also indicate this in the aforementioned data items.

1. Block Matri	x: Type(s)	of Block(s	s) Avai	ilable: (ch	eck o	ne)
		Paraffin		Frozen		Both
 Frozen Tiss Frozen Bloc Frozen Bloc 	k Matrix:	Block Num	ber (i.	e. 1A, 12A	A): _	
	Sarco	elial or epithelio matoid oplastic	oid 🗆			Other Not Specified Unknown
5. Frozen Bloc		Size of Lar	gest I	ndividual	Nodu	ule of Cancer:
		Presence o No		tive Surgi mown	cal N	Margin (SM): (circle one) Not applicable
Y	es	No	Unk	nown		vasion (AL): (circle one) Not applicable
8. Frozen Biod	:K Matrix:			-		
	at least t is not po	one block ssible to fi	of no	ormal lun completely		possible (two blocks are mal block then include one
1. Frozen Res	ection Spe	cimen Non	-Neop	lastic Blo	ck#	1 (i.e. 1A, 12AA):
2. Frozen Res	ection Spe	cimen Non	n-Neop	lastic Blo	ck#	2 (i.e. 1A, 12AA):
3. General Co	mments o	n Frozen Bl	locks:			

Biopsy Block Matrix:

The biopsy block matrix section will allow the collection of block details on biopsy samples that meet the minimum requirements for inclusion into the Resource.

- For biopsy cases, the concern is to give the reviewers some guidance on how many blocks to submit and to clarify what happens when there is only one block with tumor. In these cases it will be recommended that the institution cut 3 to 5 blanks for their own diagnostic purposes and then make the residual material available to the MVB archive.
- A matrix block will be set up and leave the number of blocks submitted to the reviewing pathologist, encouraging them to submit as many blocks as possible on a biopsy to a maximum of 5. There will be no particular order for entering blocks into the biopsy matrix.

 The recommended criteria for biopsy will be as follows: 1) Can include one block or more (up to 5) 2) Must at least include one neoplastic block and classify according to the biopsy matrix.
 Biopsy Block Matrix: Block Number (i.e. 1A, 12AA): Biopsy Block Matrix: Most Prominent Histological Type: (check one)
□ Epithelial or epithelioid □ Biphasic □ Other □ Sarcomatoid □ Multicystic □ Not Specified □ Desmoplastic □ Papillary □ Unknown
3. Biopsy Block Matrix: Grade: (check one)
 ☐ High ☐ Low ☐ Not specified ☐ Intermediate ☐ Indeterminate ☐ Not applicable
4. Biopsy Block Matrix: Size of Largest Individual Nodule of Cancer: cm
5. Biopsy Block Matrix: Presence of Angiolymphatic Invasion (AL): (circle one) Yes No Unknown Not applicable 6. Biopsy Block Matrix: Block Comments:
Regional Lymph Node Status at Time of Resection: Include the lymph node status at the time of the resection. -If there is regional lymph node exploration prior or equal to the resection date, but after the initial diagnostic biopsy, then enter values here (in the Lymph Node Block Matrix section). -Regional lymph nodes removed after the resection of tumor or distant lymph nodes should be enter in the Metastatic Tissue Block Matrix section.
1. Date of Regional Lymph Node Resection: / (MM/YYYY) 2. Number of Lymph Nodes Examined:
3. Number of Lymph Nodes Positive:4. Lymph Node Block Matrix: Non-Neoplastic Block Number (i.e. 1A, 12AA):
6. Lymph Node Block Matrix: Size of Largest Individual Nodule of Cancer: cm
7. Lymph Node Block Matrix: Presence of Extracapsular Extension (ECE): (circle one) Yes No Unknown
8. General Comments Section for Lymph Nodes:

Recurrence/Metastasis Data:

Metastatic Tissue Block Matrix for cases that have tissue available through the resource from anatomical sites that show recurrence/metastasis of mesothelioma.

Metastatic Tissue Block Matrix:

- -Enter as many blocks available (Three blocks are preferred).
- -If multiple metastatic sites are present, then enter at least 1 block from each site.
- -Try to include at least one block of normal tissue from the same site if possible. If it is not possible to find a completely normal block, then include one with minimal amounts of tumor.

1. Metastatic Block Matrix: Type(s) of Block(s) Available: (check one)						
☐ Paraffin ☐ Frozen ☐ Both						
 Date of Metastatic Block Matrix: / (MM/YYYY) Metastatic Block Matrix: Block Number (i.e. 1A, 12AA): Metastatic Block Matrix: Specimen Source: (check one) 						
☐ Resection ☐ Biopsy ☐ Both ☐ Not Specified						
5. Biopsy Block Matrix: Most Prominent Histological Type: (check one)						
□ Epithelial or epithelioid □ Biphasic □ Other □ Sarcomatoid □ Multicystic □ Not Specified □ Desmoplastic □ Papillary □ Unknown						
 6. Metastatic Block Matrix: Size of Largest Individual Nodule of Invasive Cancer: cm 7. Metastatic Block Matrix: Presence of Therapy Effects: (check all that apply) 						
□ Surgery □ Immunotherapy □ Watchful expectany □ Radiation therapy □ Brachytherapy □ Other □ Chemotherapy □ Cryotherapy □ None □ Hormone therapy □ External beam						
8. Metastatic Block Matrix: Non-Neoplastic Block Number (i.e. 1A, 12AA):						
9. General Comments Section for Metastatic Block Matrix:						

GENOTYPES DATA

1. Genotype Data Available	e: (check one)		
☐ Yes	□ No □	Unknown	Not assessed
2. GSTM1 Genotype: (check	k one)		
	Functional (0)	□ Null	(2)
3. GSTTM1 Genotype: (che	ck one)		
	Functional (0)	□ Null	(2)
4. CYP1A1 Genotype: (chec	ck one)		
☐ Homozygous wild-type (0) Hete	rozygous (1)	Homozygous variant (2)
5. NAT2 Genotype: (check	one)		
	Slow (0)	☐ Fast	(1)
6. EPHX1 Genotype: (check	k one)		
☐ High (0)	☐ Intermediate	(1) Low (2	2)
7. EPHX3 Genotype: (check	k one)		
☐ Homozygous wild-type (0) Hete	rozygous (1)	Homozygous variant (2)
8. EPHX4 Genotype: (check	k one)		
☐ Homozygous wild-type (0) Hete	rozygous (1)	Homozygous variant (2)

STAGING

Pathological and Clinical Staging will be based on using the <u>AJCC Manual for Staging of Cancer</u>.

	C Manual 1 C Manual Edi	_	_		<u>er:</u>		
	☐ 6th		4th		2nd		Not applicable
			3rd		1st		Unknown
	hological S		_				
1. p	oT Stage: (che	eck one)					
		pTX		pT1b		pT4	
		рТ0		pT2		Not applica	able
	Ц	pT1a		рТ3	Ц	Unknown	
		AJCC (6 th Ed.) S	taging for T	horacic N	Aesothelioma	ì
pTX	Primary tumor can						
pT0	No evidence of prin		1	21 21 4	C 1: 1		1 1
pT1 pT1a	Tumor involves ins		_				eral pleura ent of the visceral pleura
pT1b							volvement of the visceral pleura
							: confluent visceral pleural tumor
pT2	(including fissure), invasion of diaphragmatic muscle, invasion of lung parenchyma Tumor involves any of the ipsilateral pleural surfaces, with at least 1 of the following: invasion of the endothoracic						
рТ3							
P	involvement of the pericardium						
							g: diffuse or multifocal invasion of to the peritoneum, invasion of any
pT4	mediastinal organ(s	s), direct extens	ion to the	contralateral p	leura, invas	sion into the sp	ine, extension to the internal
	surface of the period brachial plexus	eardium, pericai	dial effusion	on with positi	ve cytology	, invasion of th	ne myocardium, invasion of the
	•						
2. p	oN Stage: (che	eck one)					
	I	□ pNX		pN2		☐ Unkne	own
	I	pN0		pN3			
	I	D pN1		Not applica	ble		
		AJCC (#	th Ed.) St	aging for T	horacic M		
pNX	Regional lymph no			mging 101 1	iorucie ivi	CSOUTOTIO	
pN0	No regional lymph						
pN1	Metastases in the i	psilateral bronc	hopulmona	ary and/or hila	r lymph no	de(s)	
pN2							or mediastinal lymph node(s)
pN3	Metastases in the c contralateral supra				ary, or hila	r lymph node(s) and/or the ipsilateral or
3. p	oM Stage: (ch	eck one)					
		□ p!	MX 🗆	pM1		Unknown	

				AJ	ICC (6 th Ed.)	Staging			
			pMX	Presence of	f distant metasta	sis cannot	be assessed		
			pM0	No known	distant metastas	is			
			pM1	Distant met	Distant metastasis				
	Clinical Staging: 1. cT Stage: (check one)								
		cTX		□ cT1		cT3		Not applicable	
		сТ0		cT2		cT4		Unknown	
	AJCC (6 th Ed.) Staging for Thoracic Mesothelioma						a		
	cTX	Primary to	ımor canr	ot be assesse	d				
	сТ0	No evider	nce of prin	nary tumor					
	cT1	Tumor lin	nited to ip	silateral parie	tal and/or visce	ral pleura			
	cT2	Tumor inv		of the follow:	ing: ipsilateral l	ung, endotl	horacic facia	, diaphram, or	
	сТ3	Tumor invades any of the following: ipsilateral chest wall muscle, ribs, or mediastinal organs or tissues						or mediastinal	
	cT4	Tumor directly extends to any of the following: contralateral pleura, lung, peritoneum, intra-							
2. cN	cN Stage: (check one) CNX CN1 CN3 CN1 Unknown CN0 CN2 Not applicable					nown			
1			AJCC	(6 th Ed.) St	taging for The	oracic Mo	esotheliom	a	
	cNX	Regional ly	mph node	es cannot be a	ssessed				
	cN0	No regiona	l lymph n	ode metastasi	S				
	cN1	Metastasis extension	in ipsilate	ral peribronch	nial and/or ipsila	iteral hilar	lymph nodes	s, including direct	
	cN2	Metastasis	in ipsilate	ral mediastina	al and/or subcar	inal lymph	node(s)		
	cN3	Metastasis supraclavic			inal, contralater	al hilar, ip	silateral or co	ontralateral scalene, or	
3. cN	/I Sta	ge: (chec	k one)						
			:MX		cM1		Unknown	ı	
			:M0		Not applica	ble			
					as as so the				
					ICC (6 th Ed.)	0 0			
	cMX Presence of distant metastasis cannot be assessed								

No distant metastasis

Distant metastasis

cM0 cM1

□ pM0 □ Not applicable

4. General Staging Comments: _		

THERAPY RELATED DATA

Record the patient's treatment history.

	Surgery Radiation therapy Chemotherapy Hormone therapy		Immunotherapy Brachytherapy Cryotherapy External beam		Watchful of Other None	expectany	
2. Therapy mate3. Presence of p4. Presence of a5. Comments or	oleural effusion ascites: (circle o	: (ciro ne)	cle one) Yes	Y	es No	No	Unknown Unknown
6. General Over	all Comments o	n Th	nerapy:				

CLINICALLY VERIFIED TISSUE RECURRENCE/METASTASIS DATA

These cases are those that do NOT have tissue blocks available, but are known clinically to have a recurrence/metastasis.

<u>NOTE</u>: Verification for clinical recurrence can be via radiology imaging, biopsy/resection, surgery, or cancer registry. However, a clinician's note indicating recurrence in a specific distant site would be sufficient.

1.	Date	of Tissue Recuurence/I	Vleta	stasis: Distant Site #	£1: _	/		
					_	(MM/YYYY)		
2.	2. Tissue Recurrence/Metastasis: Distant Site #1: (check one)							
	П	Adrenal	П	Larynx	П	Prostate		
	ī	Anus	ī	Leukemia	Ħ	Rectosigmoid		
	H	Appendix	H	Liver	H	Rectum		
		Bones	ī	Lung	Ħ	Skin		
	ī	Breast	П	Lymph node	Ħ	Spleen		
		Brain & CNS	H	Mesothelioma	H	Stomach		
		Colon	$\overline{\Box}$	Ovary	ī	Testis		
	Ħ	Cervix Uteri	$\overline{\Box}$	Oral Cavity	ī	Thyroid		
		Corpus Uteri	П	Pancreatic	$\overline{\Box}$	Urinary Bladder		
		Esophagus	$\overline{\Box}$	Parotid & Other Glands	$\overline{\Box}$	Other, NOS		
	一百	Gallbladder	$\overline{\Box}$	Pharynx	$\overline{\Box}$	Unknown		
	一百	Head and Neck	$\overline{\sqcap}$	Larynx	$\overline{\Box}$	None		
	$\overline{\Box}$	Kidney, Renal Pelvis, Ureter	$\overline{\sqcap}$	Pleura				
	_	• ,						
3.	Tissu	e Recurrence/Metastas	sis: C	Distant Site #2: (checl	k one	e)		
		Adrenal		Lonung	П	Prostate		
		Anus		Larynx Leukemia	H	Rectosigmoid		
		Appendix	H	Liver	H	Rectum		
	片	Bones	H	Lung	H	Skin		
	H	Breast	Ħ	Lymph node	H	Spleen		
	H	Brain & CNS	Ħ	Mesothelioma	H	Stomach		
		Colon	П	Ovary	H	Testis		
	ī	Cervix Uteri	П	Oral Cavity	Ħ	Thyroid		
	Ħ	Corpus Uteri	$\overline{\Box}$	Pancreatic	\exists	Urinary Bladder		
	Ħ	Esophagus	П	Parotid & Other Glands	Ħ	Other, NOS		
	Ħ	Gallbladder	$\overline{\Box}$	Pharynx	ī	Unknown		
	ī	Head and Neck	П	Larynx	Ħ	None		
	Ħ	Kidney, Renal Pelvis, Ureter	П	Pleura	_			
	_		_					
4.	Tissu	e Recurrence/Metastas	sis: C	Distant Site #3: (checl	k one	e)		
		Adrenal		Larynx		Prostate		
		Anus		Leukemia		Rectosigmoid		
		Appendix		Liver		Rectum		
		Bones		Lung		Skin		
		Breast		Lymph node		Spleen		
		Brain & CNS		Mesothelioma		Stomach		
		Colon		Ovary		Testis		
		Cervix Uteri		Oral Cavity		Thyroid		
		Corpus Uteri	П	Pancreatic		Urinary Bladder		

	Esophagus		Parotid & Other Glands		Other, NOS
	Gallbladder		Pharynx		Unknown
	Head and Neck		Larynx		None
	Kidney, Renal Pelvis, Ureter		Pleura		
5 Gene	ral Comments for Clinic	cally	Verified Tissue Recu	ırren	ce/Metastasis:

VITAL STATUS/FOLLOW-UP DATA

Record the patient's vital status and most recent follow up date.

*1. Vital Status: (check one)
☐ Alive ☐ Dead ☐ Unknown
*2. Cancer Status: (check one)
☐ No evidence of cancer ☐ Evidence of cancer ☐ Unknown
*3. Date Last Known Alive: / (MM/YYYY) 4. Date of Death: / (MM/YYYY) 5. Cause of Death: (check one)
☐ Directly ☐ Indirectly ☐ Not caused by cancer ☐ Unknown
6. Final Comments: