BSTAT TBLB-TBNA 10 Point ASSESSMENT TOOL

Student: _____   PGY 4   PGY 5   PGY 6

Faculty _____   Date _____

Educational Item* Items 1-10 each scored separately	Satisfactory Yes/No
1. TBLB: Airway inspection without trauma (no partial points) ☐ Complete inspection done properly	Yes / No Score ____/5
2. TBLB technique (no partial points) ☐ Wedge scope into target segment ☐ Visualize target with fluoroscopy ☐ Advance forceps under fluoroscopy guidance to target ☐ Open forceps at target ☐ Advance and close forceps at target ☐ Remove forceps from scope	Yes / No Score ____/10
3. TBLB Complications: Pneumothorax (no partial points) ☐ Perform panoramic view of hemithorax using fluoroscopy ☐ Recognize signs and symptoms ☐ Demonstrate easy access to small or large bore chest tube	Yes / No Score ____/10
4. TBLB: Complications: Bleeding (no partial points) ☐ Scope wedged into target segment ☐ Move patient into lateral decubitus safety position ☐ Access upper airway with oral suction ☐ Demonstrate access and use of bite block and endotracheal tube	Yes / No Score ____/10
5. TBLB: Decision making (5 points each , target score 15 points) ☐ Image 1 ☐ Image 2 ☐ Image 3	Yes / No Score ____/15
<u>6.</u> TBNA: Airway inspection and imaging interpretation (5 points each) ☐ Complete inspection done properly ☐ Imaging studies correctly interpreted	Yes / No Score ____/10
<u>7.</u> TBNA Technique - Jab (no partial points) ☐ Advance catheter towards target area ☐ Advance needle to target area without airway trauma ☐ Jab needle through airway wall at target region while scope is fixed at nose or mouth ☐ Move needle back and forth inside node while suctioning ☐ Release suction prior to needle withdrawal from target region ☐ Retract needle into the catheter ☐ Observe that needle is completely retracted inside catheter ☐ Withdraw catheter from scope	Yes / No Score ____/10
<u>8.</u> TBNA Technique-Hub against wall (no partial points) ☐ Advance catheter towards target area ☐ Touch catheter to target area without airway trauma ☐ Penetrate airway wall with needle while holding scope firmly ☐ Move needle back and forth inside node while suctioning ☐ Release suction prior to needle withdrawal from target region ☐ Retract needle into the catheter ☐ Observe that needle is completely retracted inside catheter ☐ Withdraw catheter from scope	Yes / No Score ____/10
<u>9.</u> TBNA Technique -Piggyback: (no partial points) ☐ Secure catheter and scope simultaneously with one hand ☐ Advance scope and catheter as a single unit to target region ☐ Penetrate airway wall at target region ☐ Move needle back and forth inside node while suctioning ☐ Release suction prior to needle withdrawal from target region ☐ Retract needle into the catheter ☐ Observe that needle is completely retracted inside catheter ☐ Withdraw catheter from scope	Yes / No Score ____/10
<u>10.</u> TBNA: Decision making: (5 points each, target 10 points) ☐ Image 4 ☐ Image 5	Yes / No Score ____/10

* The combined use of the 10 items pertains to technical skills needed to climb learning curve from novice to advanced beginner to intermediate to competent bronchoscopist able to perform flexible bronchoscopy with transbronchial lung biopsy and transbronchial needle aspiration independently.

FINAL GRADE   PASS   FAIL   **SCORE** _____/100