#IS09 (total gastrectomy, T3N3aM0, EGJ, -, present)

# of LN: 2

● **Normal**
● **Metastasis**
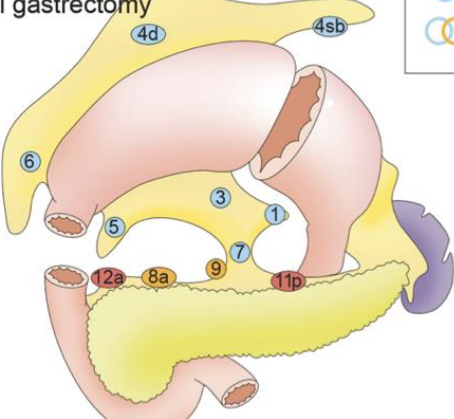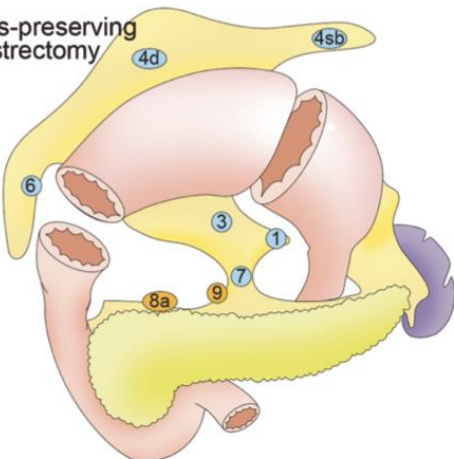
D1
D1+
D2

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
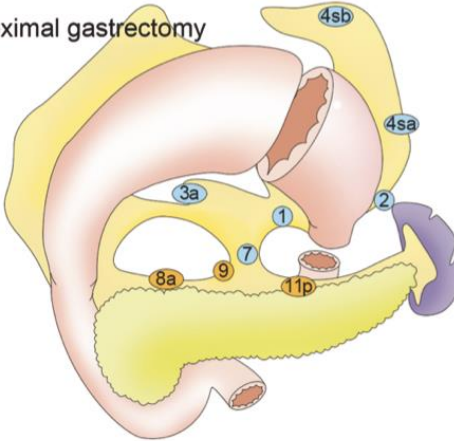
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
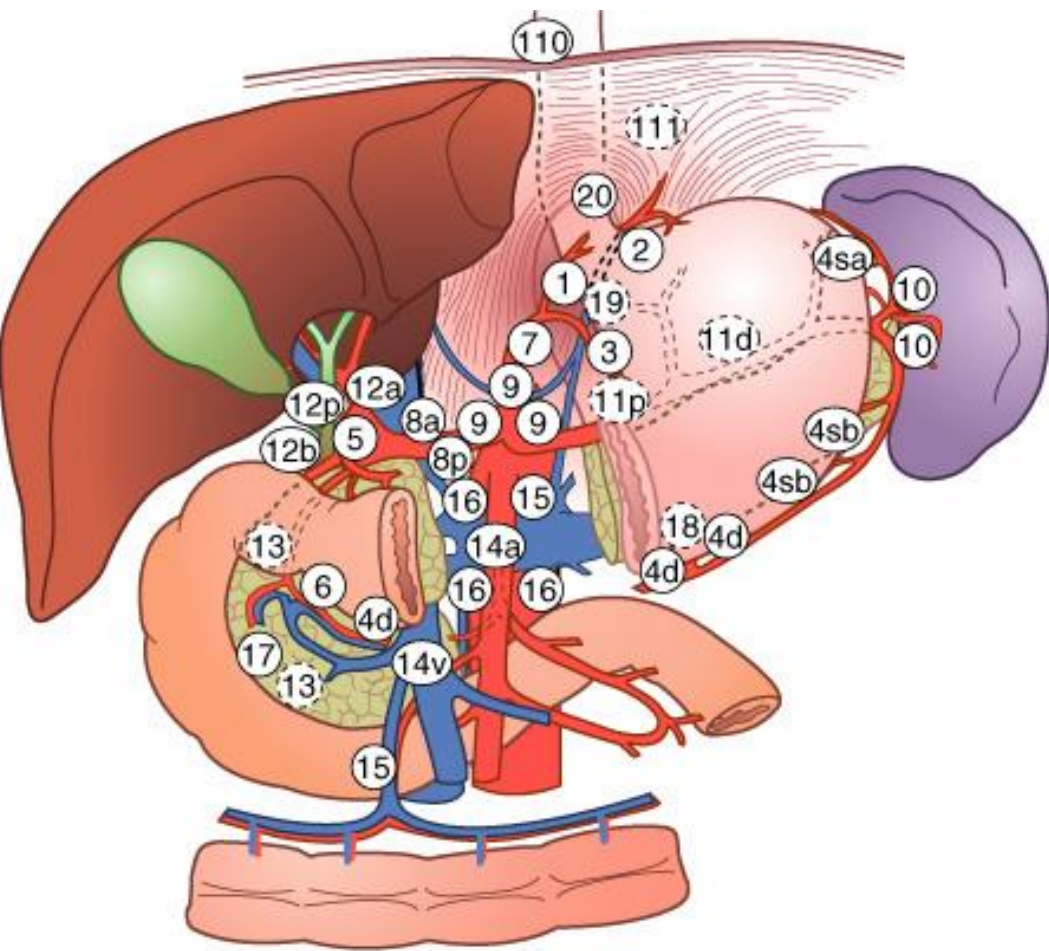D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

Copyright © 2004, Elsevier.

#IS10 (distal gastrectomy, T2N0M0, antrum, AW, absent)

# of LN: 1 UK

- **Normal** (green)
- **Metastasis** (magenta)

Legend: D1, D1+, D2

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

#IS13 (distal gastrectomy, T4aN1M0, antrum, (LC-GC, AW-PW), not identified)
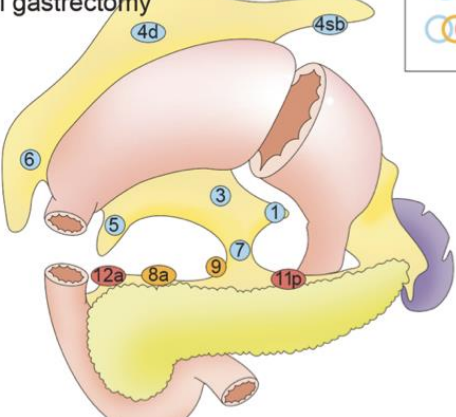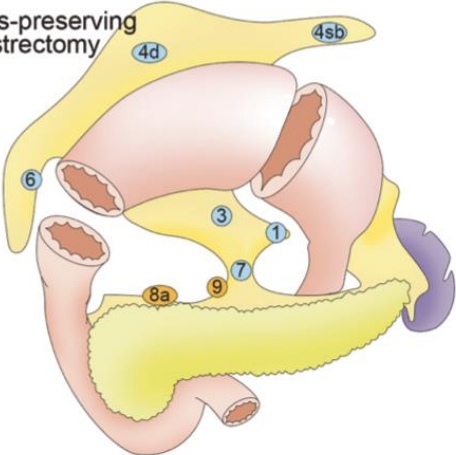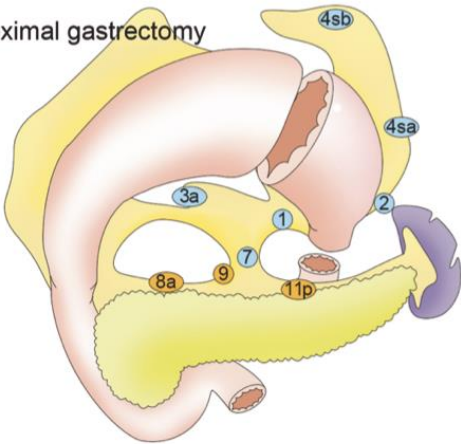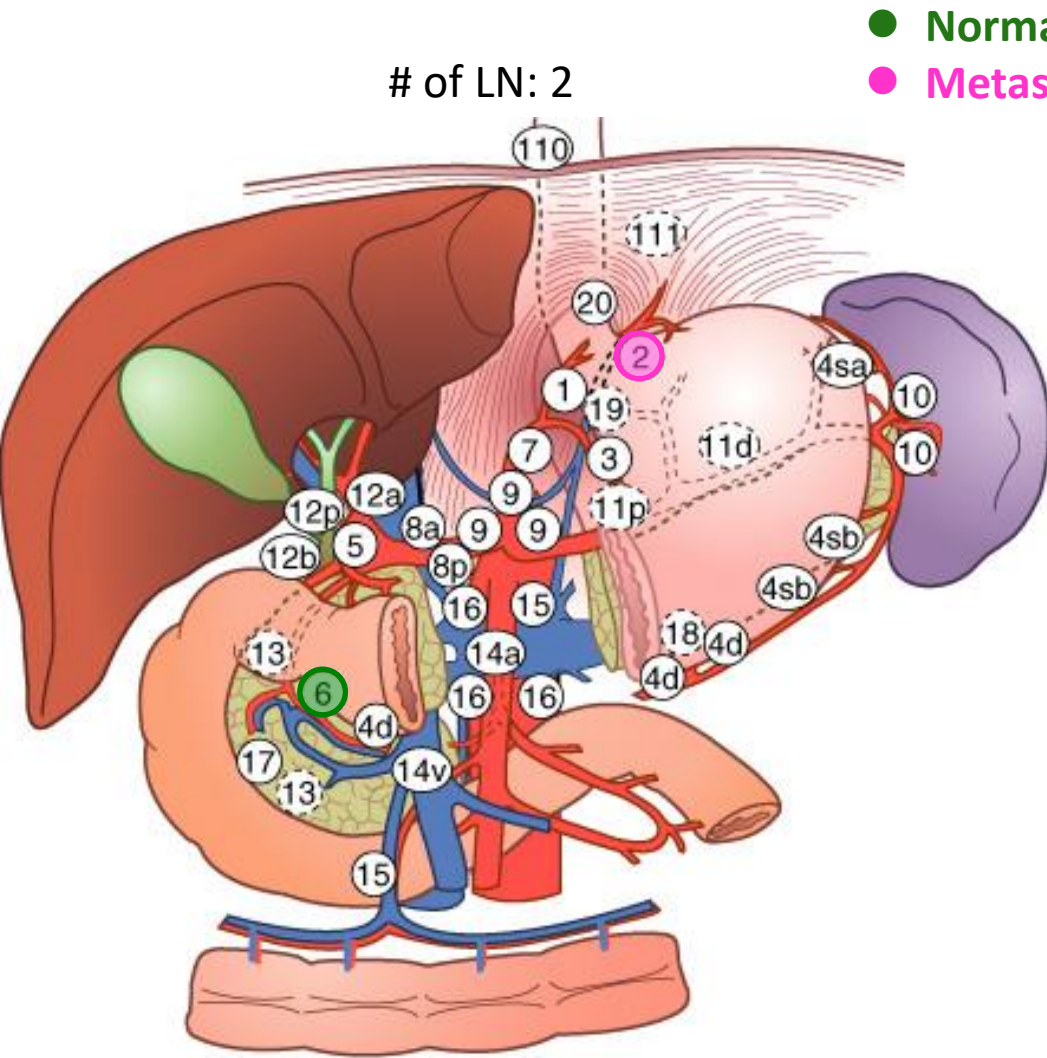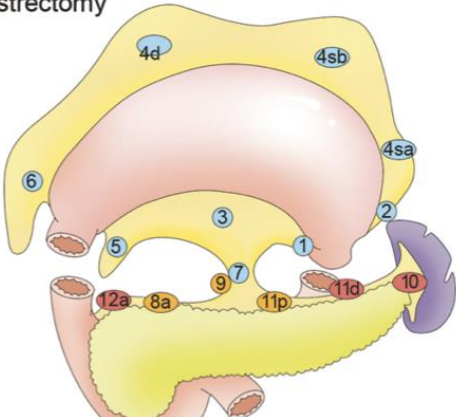

# of LN: 2

● **Normal**
● **Metastasis**

Legend:
- ○ D1
- ○○ D1+
- ○○○ D2

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
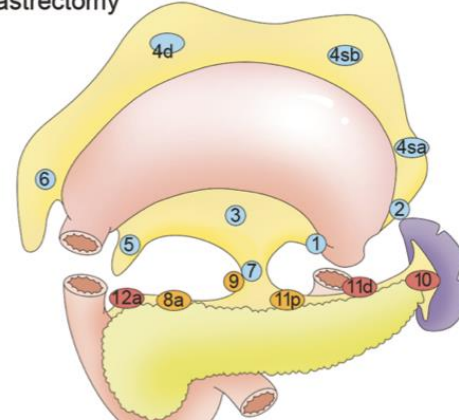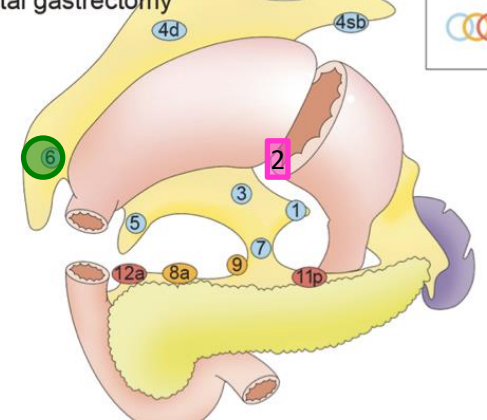D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

Copyright © 2004, Elsevier.

#IS14 (distal gastrectomy, T1aN0M0, antrum, LC, not identified)

# of LN: 1

● **Normal**
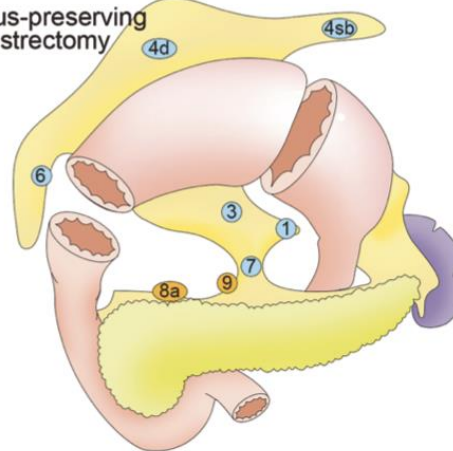● **Metastasis**

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
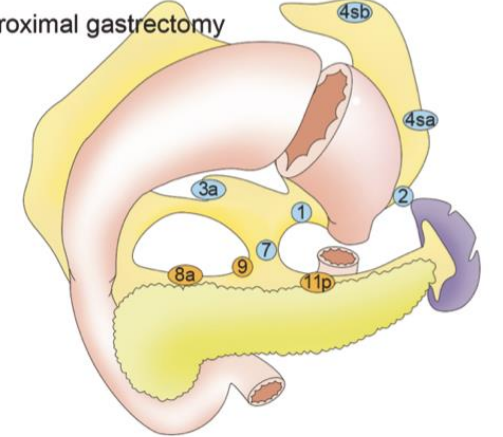
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
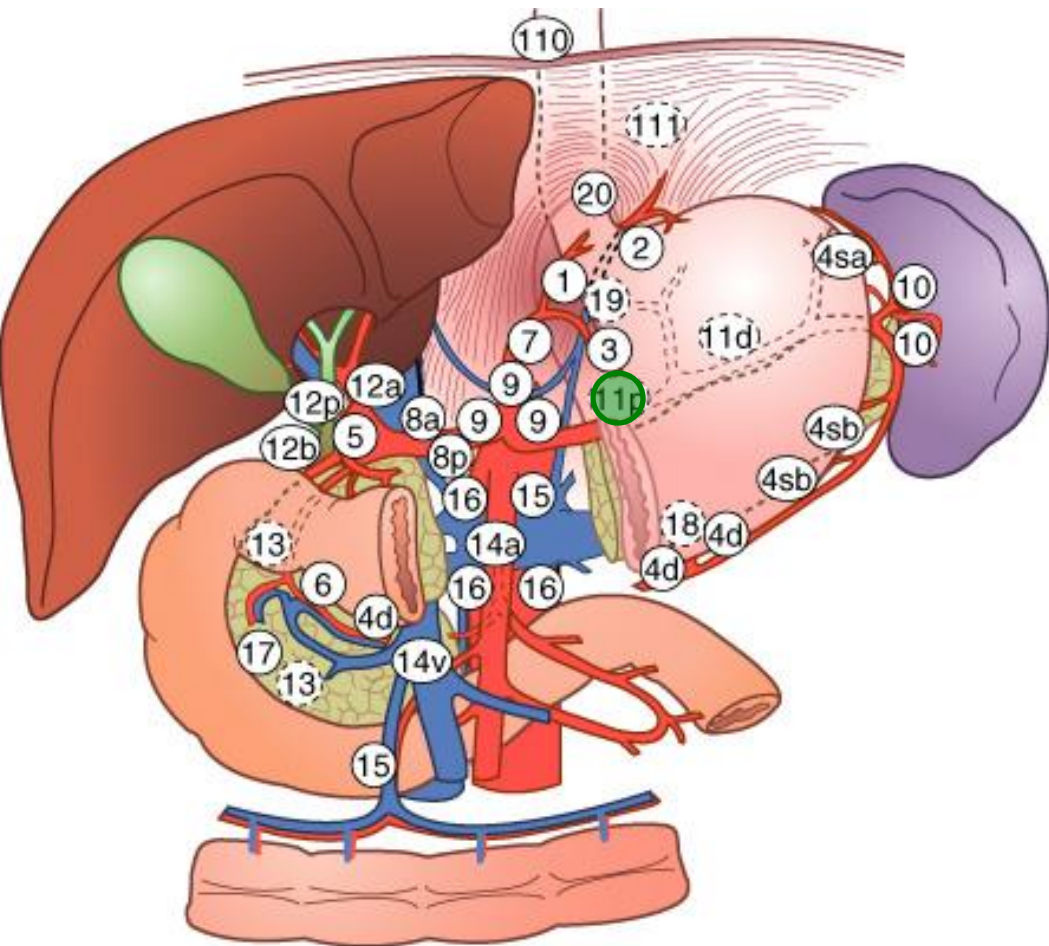D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

D1
D1+
D2

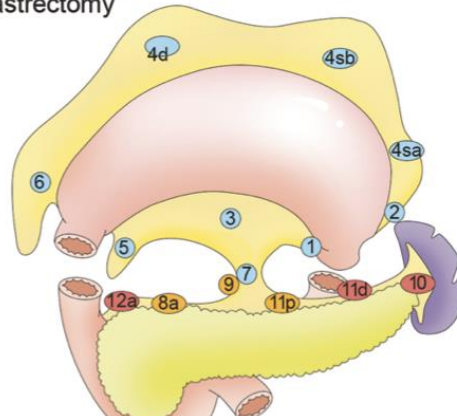# #IS15 (distal gastrectomy, T4aN0M0, antrum, LC, present)

# of LN: 1

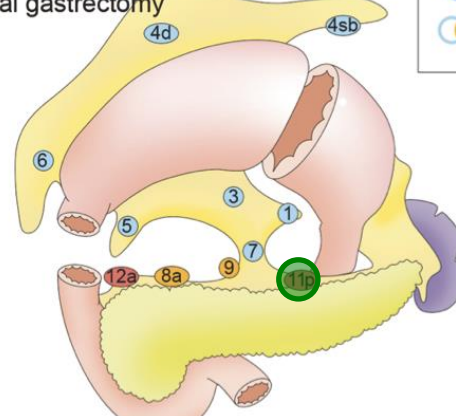● **Normal**
● **Metastasis**
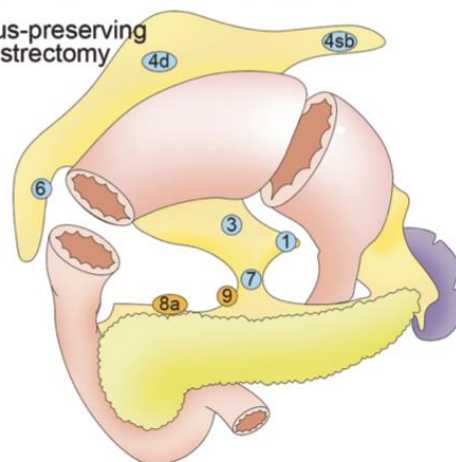
Copyright © 2004, Elsevier.

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
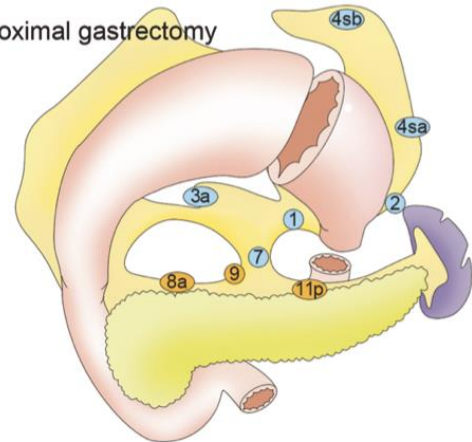
b Distal gastrectomy

○ D1
◯◯ D1+
◯◯◯ D2

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
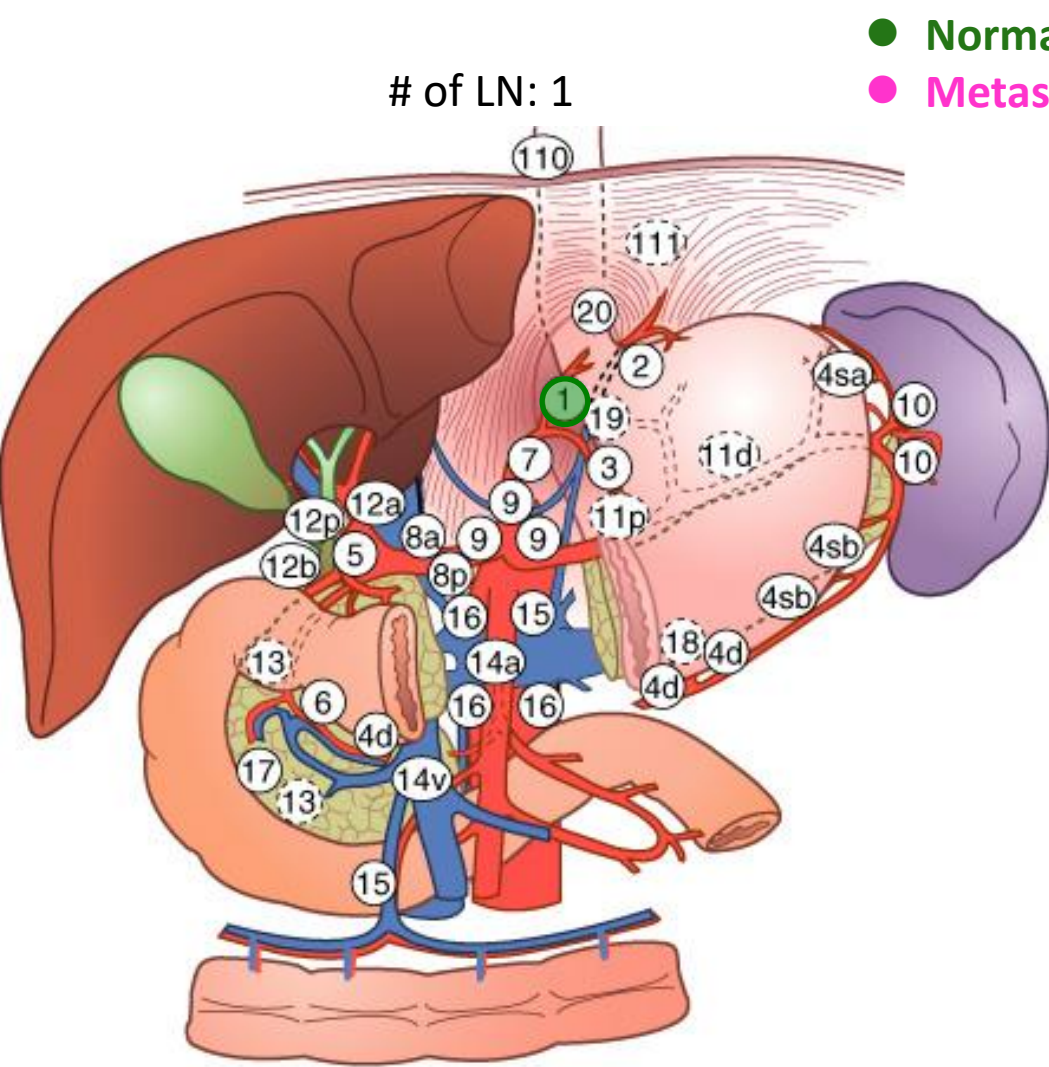D1: No. 1, 3, 4sb, 4d, 6, 7
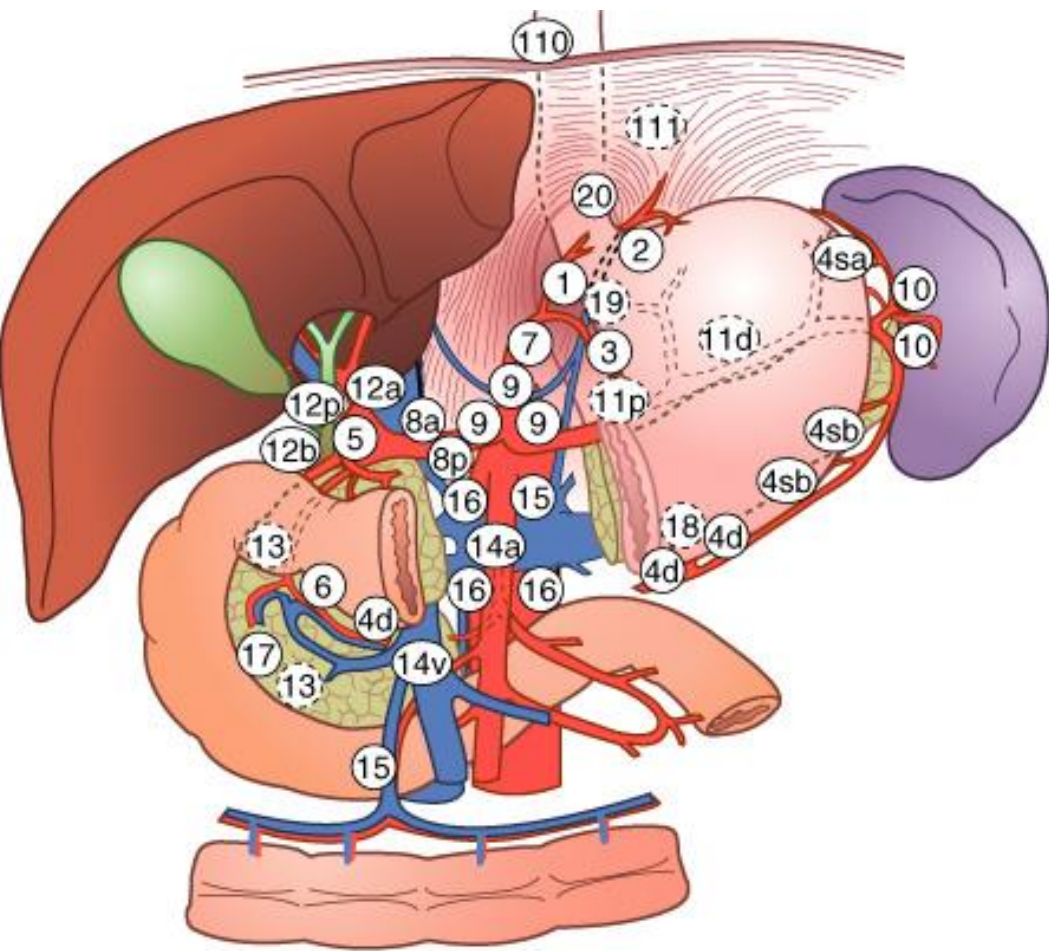D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

#IS16 (distal gastrectomy, T4aN1M0, pylorus, LC, present)

# of LN: 1

● **Normal**
● **Metastasis**

Copyright © 2004, Elsevier.

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

D1
D1+
D2
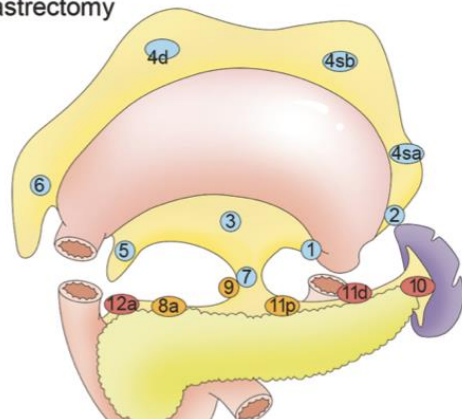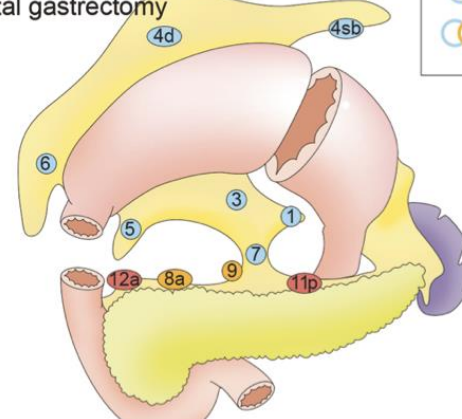
#IS17 (distal gastrectomy, T4aN2M0, antrum, GC, present)

of LN: 1 [UK]
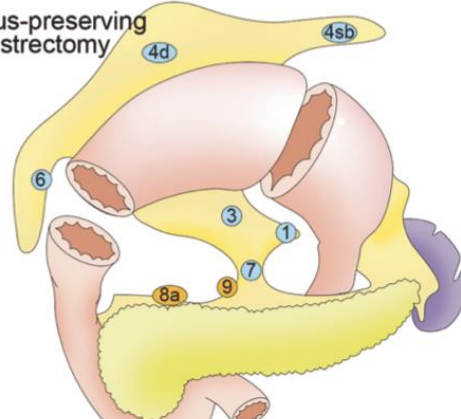
● **Normal**
● **Metastasis**

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
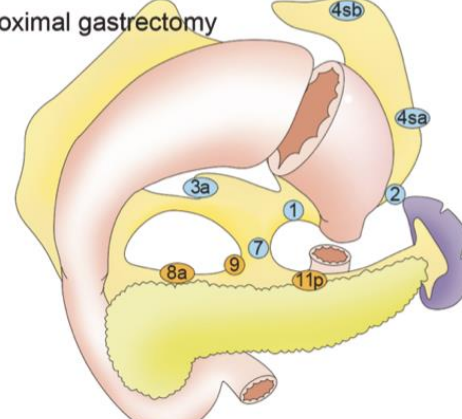
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a
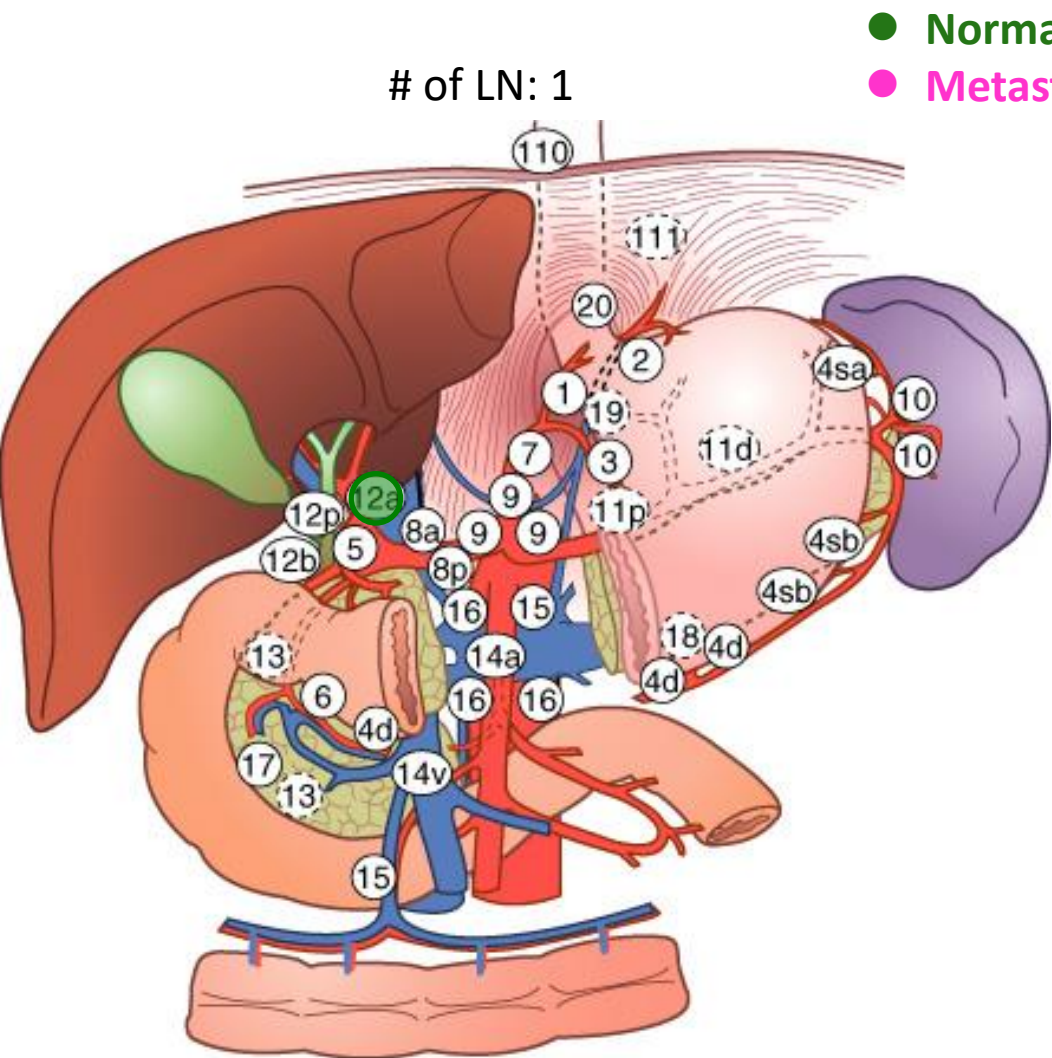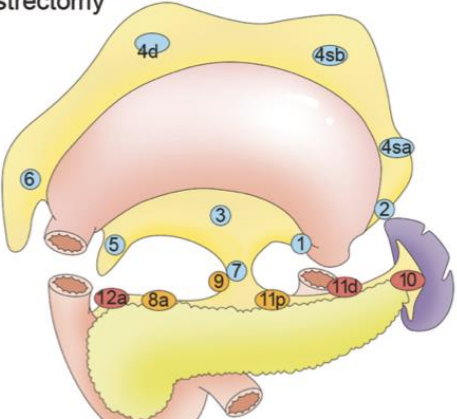
c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

D1
D1+
D2

Copyright © 2004, Elsevier.

#IS18 (distal gastrectomy, T4bN2M0, antrum, GC-LC, present)

- **Normal** (green)
- **Metastasis** (pink)

# of LN: 1

Legend:
- ○ D1
- ◎ D1+
- ◎◎ D2
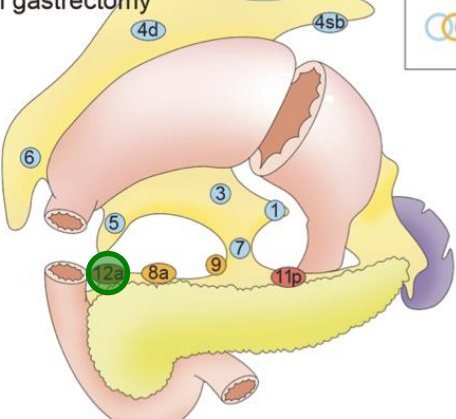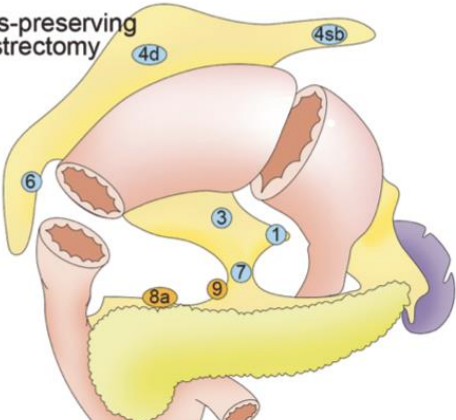
a Total gastrectomy
D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
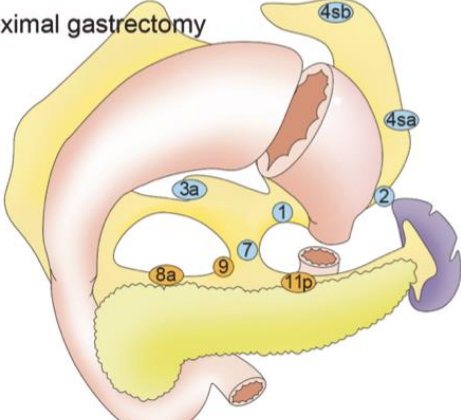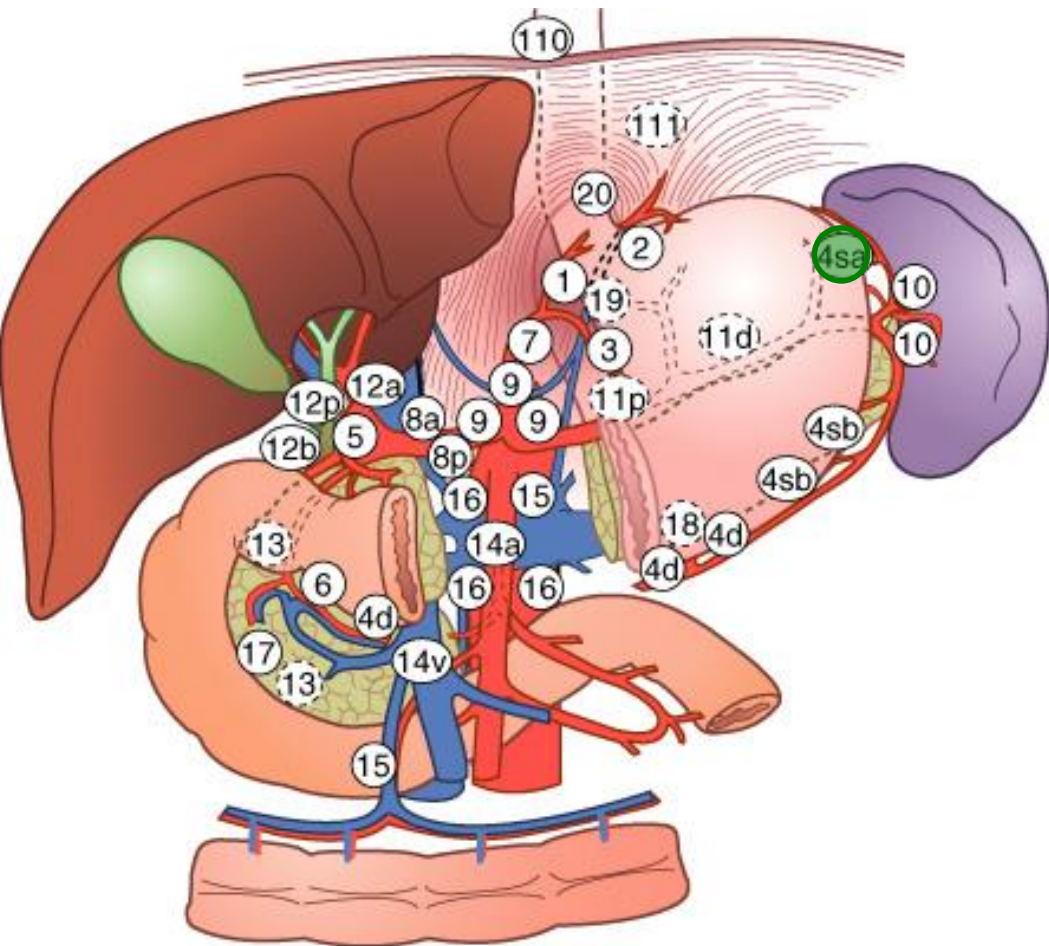No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy
D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy
D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy
D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

Copyright © 2004, Elsevier.

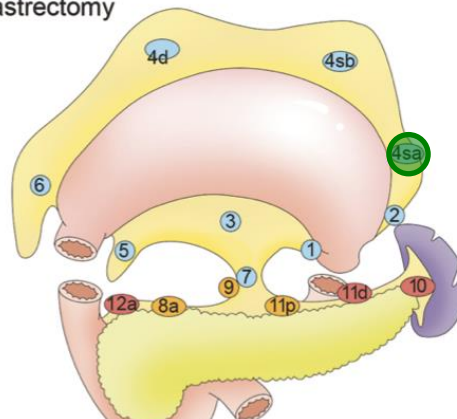# #IS19 (total gastrectomy, T3N3aM0, body, LC, present)
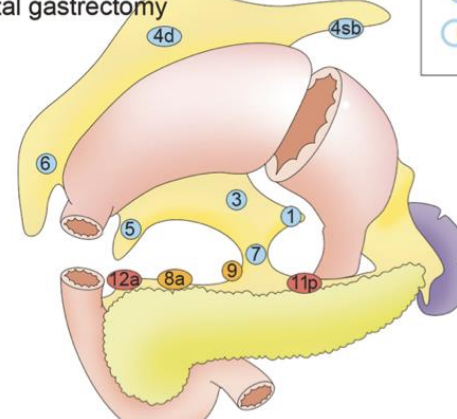

# of LN: 1

● **Normal**
● **Metastasis**

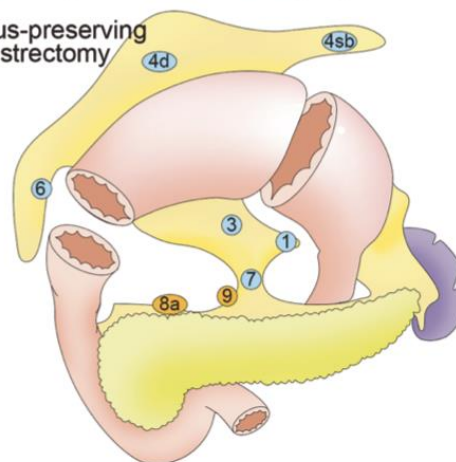Copyright © 2004, Elsevier.

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
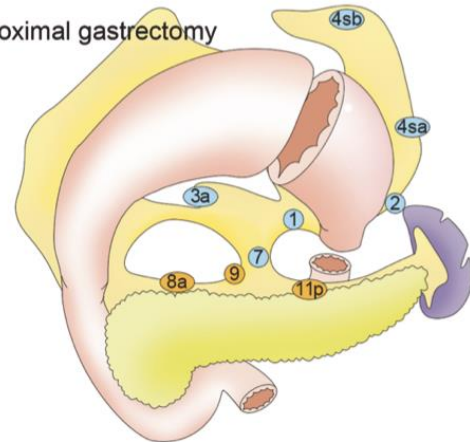
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

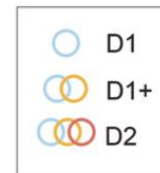**c** Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy
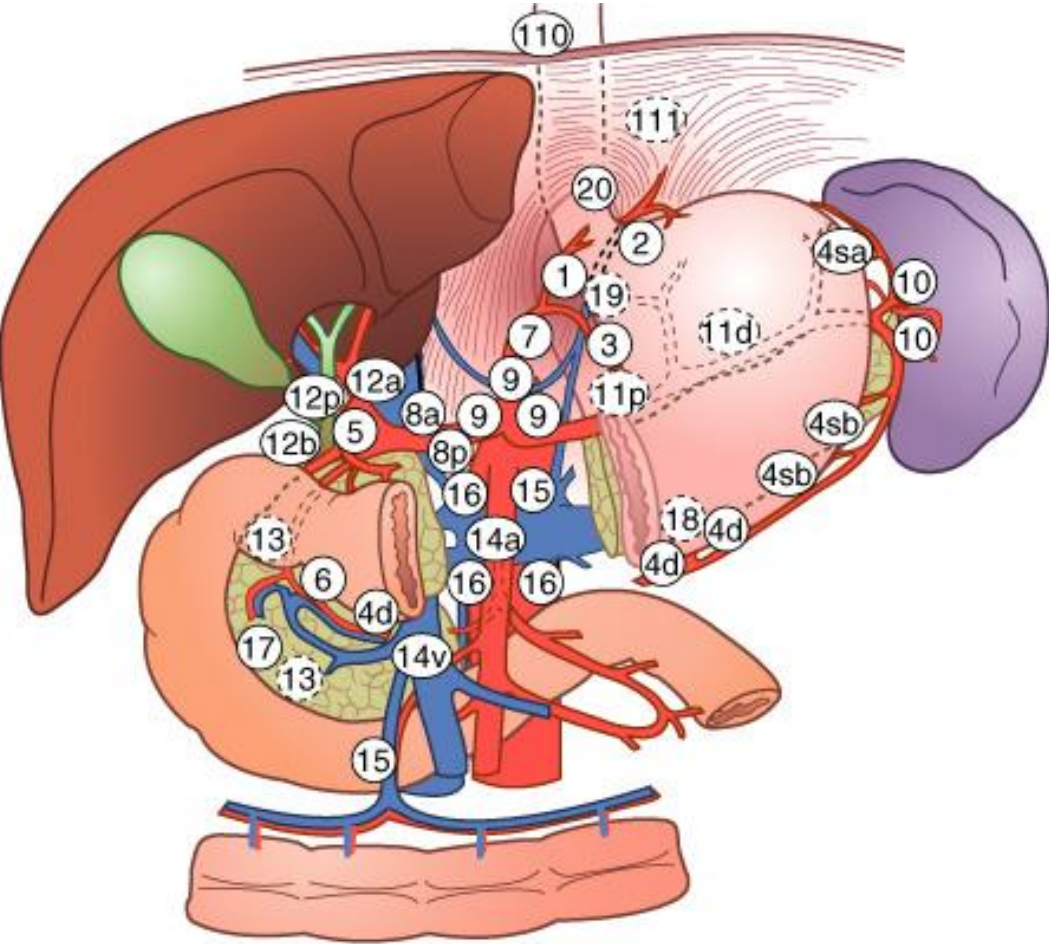
D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110
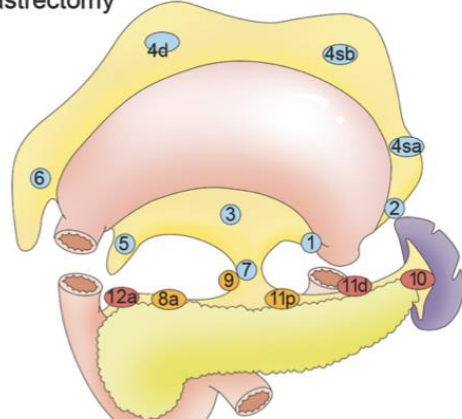
D1
D1+
D2

#IS20 (distal gastrectomy, T1bN0M0, low body, PW, absent)

# of LN: 1

● **Normal**
● **Metastasis**

Legend:
- ○ D1
- ○○ D1+
- ○○ D2
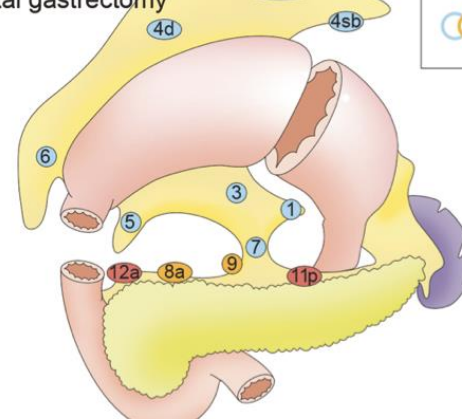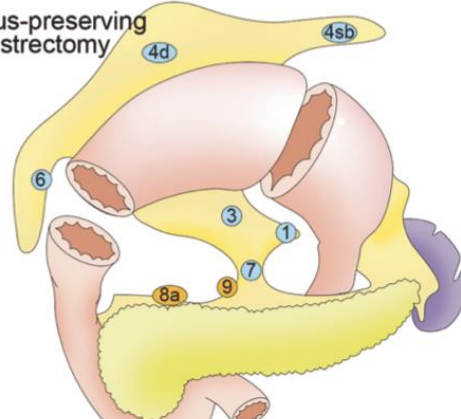
a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
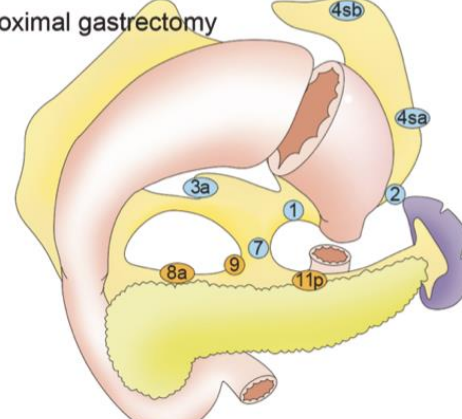
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
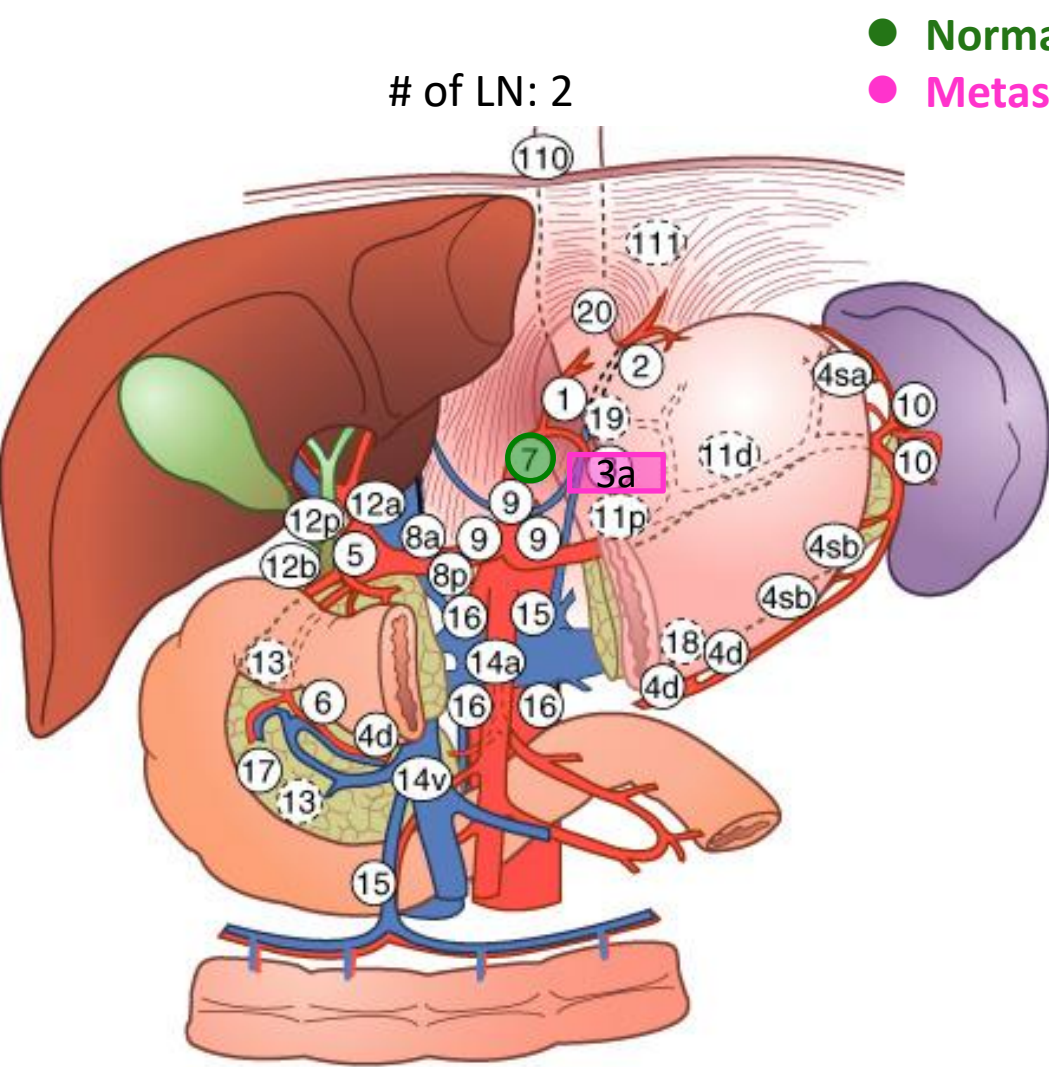D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
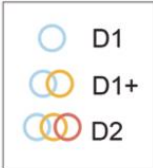D1+ includes No. 110

Copyright © 2004, Elsevier.

#IS22 (distal gastrectomy, T2N0M0, antrum, AW, absent)
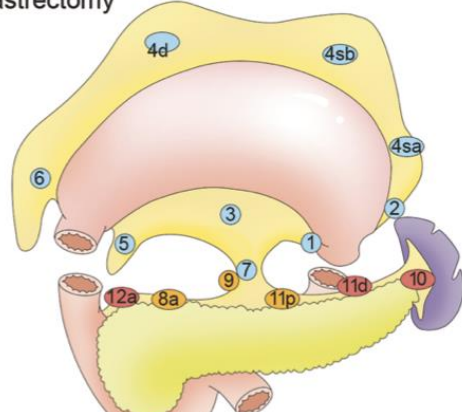

# of LN: 1 UK

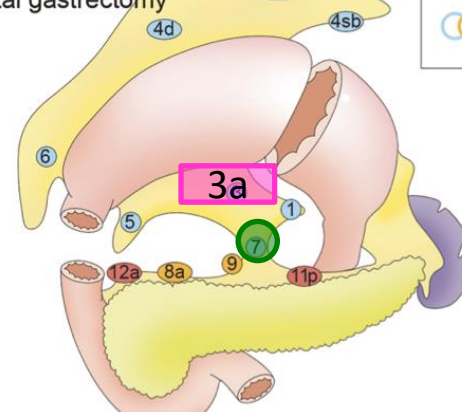● **Normal**
● **Metastasis**

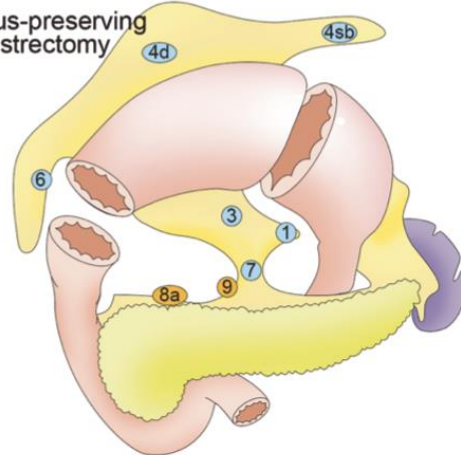**Legend:**
○ D1
◎ D1+
◎ D2

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
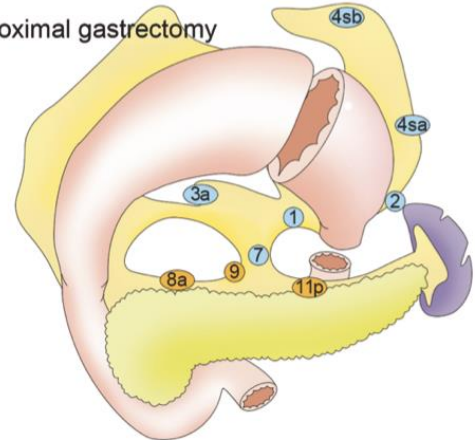
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

Copyright © 2004, Elsevier.

#IS23 (distal gastrectomy, T3N2M0, body, LC, present)

● **Normal**
● **Metastasis**

# of LN: 2

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a
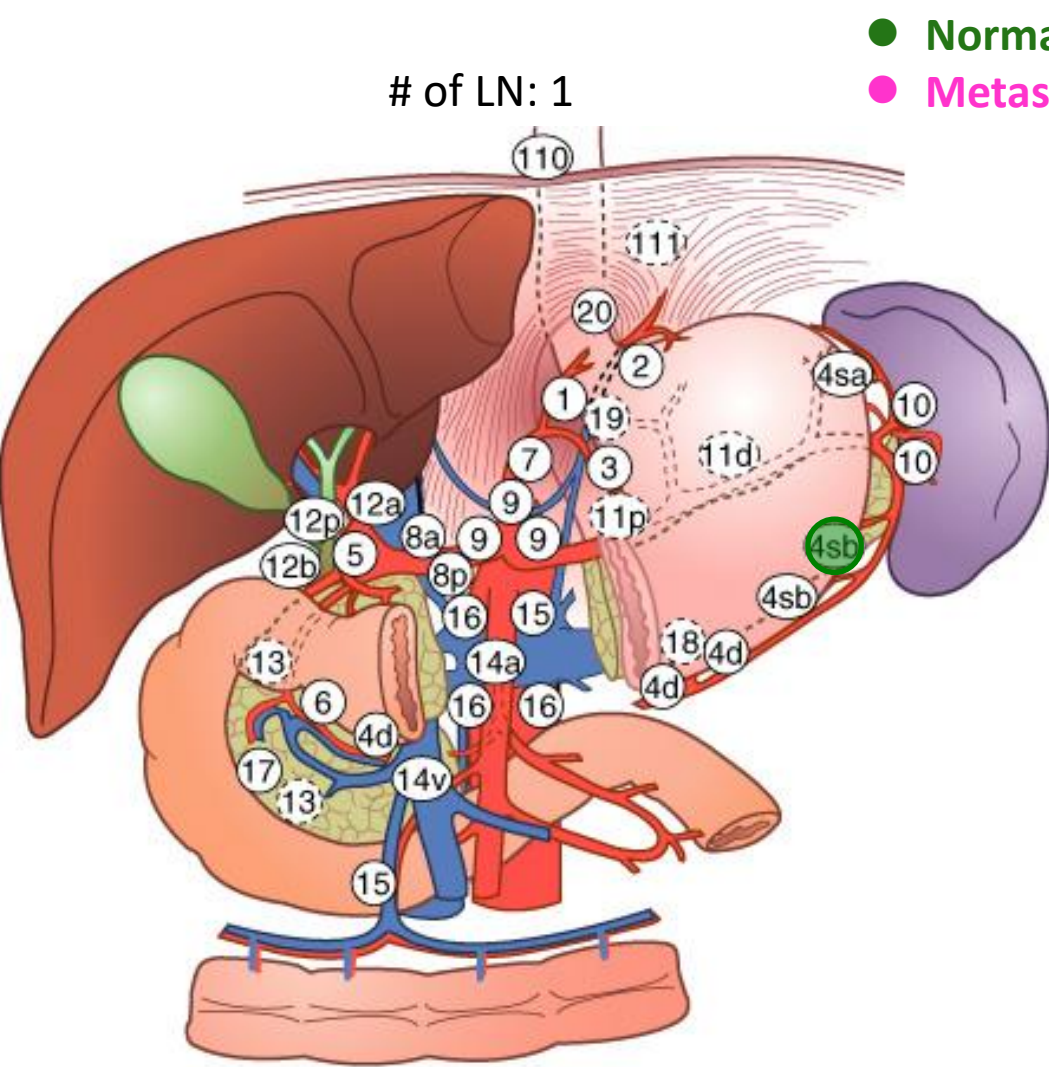
c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
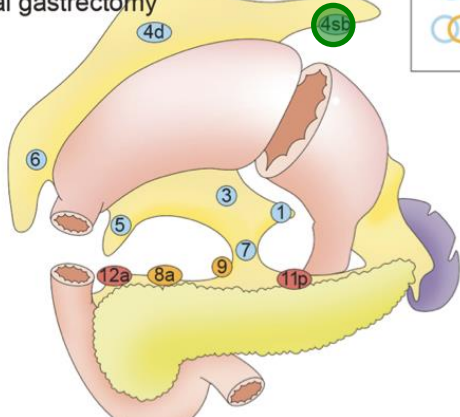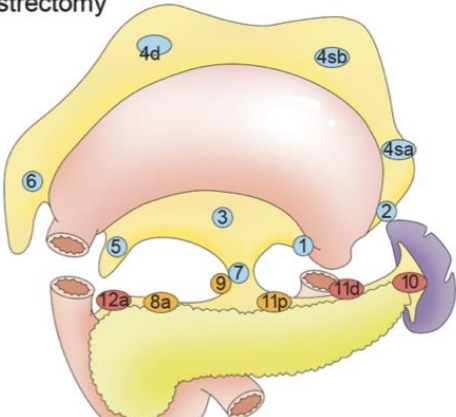*For tumors invading the esophagus,
D1+ includes No. 110

D1 ◯
D1+ ◯◯
D2 ◯◯◯

Copyright © 2004, Elsevier.

#IS24 (distal gastrectomy, T1bN0M0, antrum, GC, present)

# of LN: 1

● **Normal**
● **Metastasis**

Copyright © 2004, Elsevier.

D1
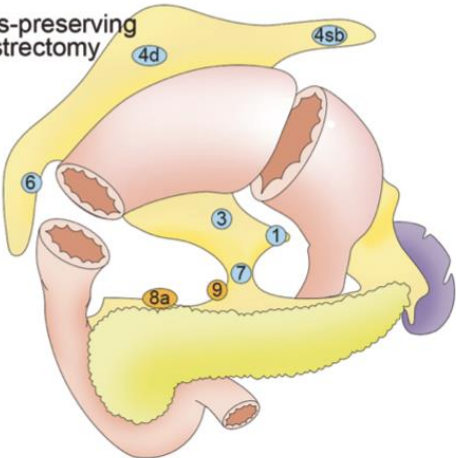D1+
D2

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
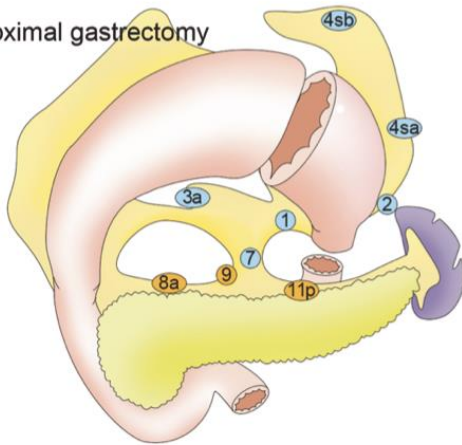No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
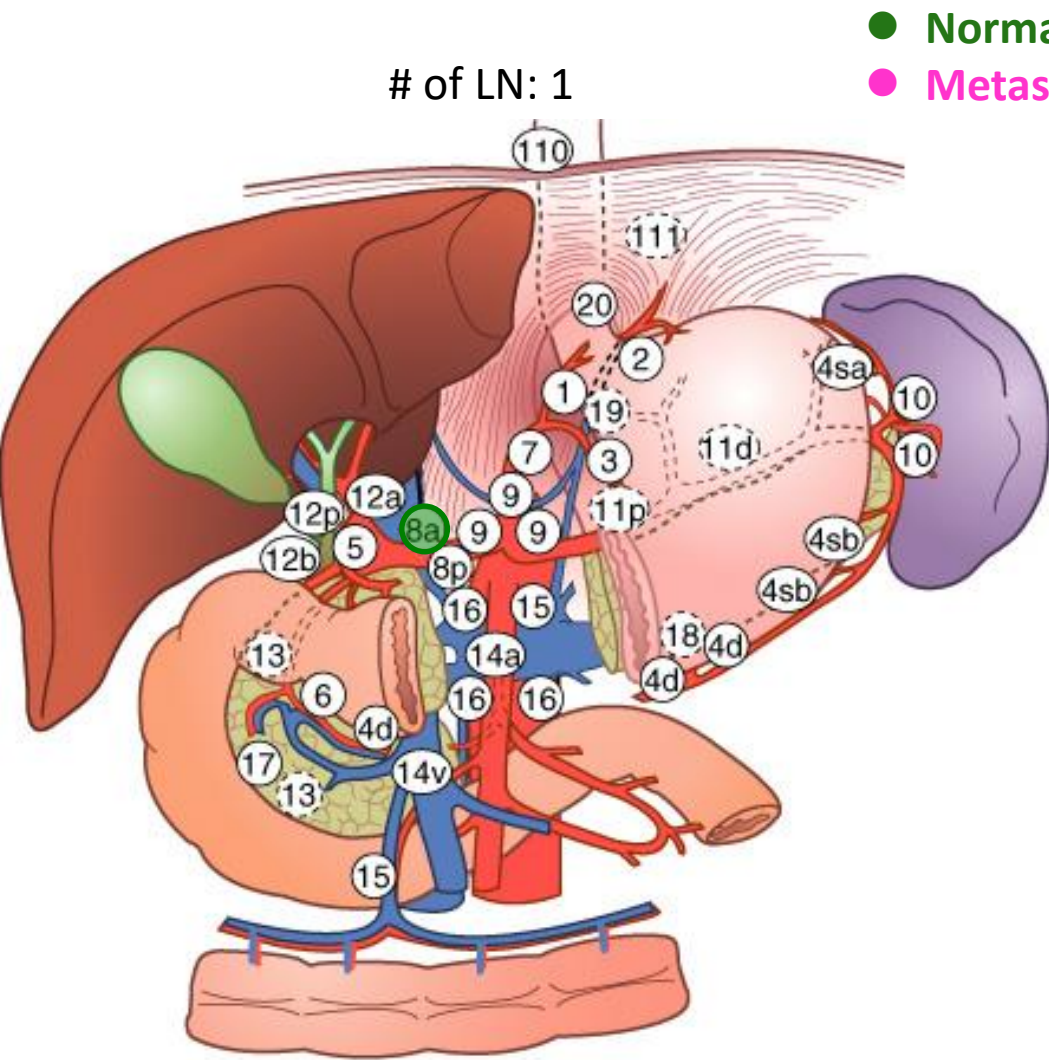D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

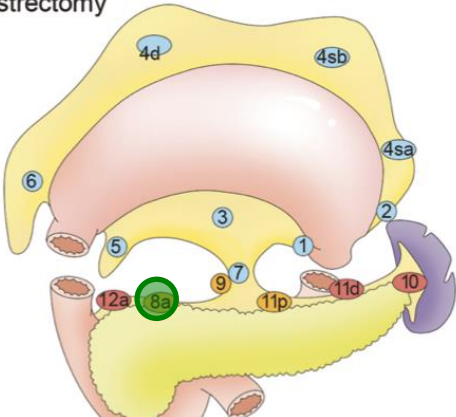# #IS26 (distal gastrectomy, T1bN1M0, antrum, LC, not identified)

# of LN: 1

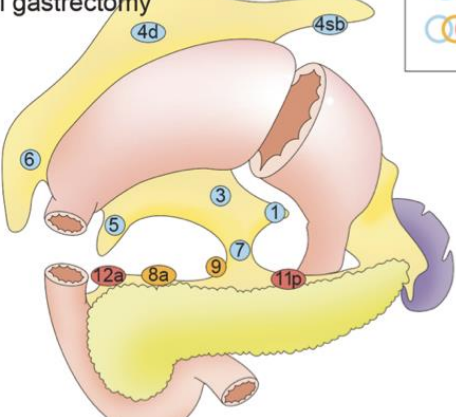● **Normal**
● **Metastasis**

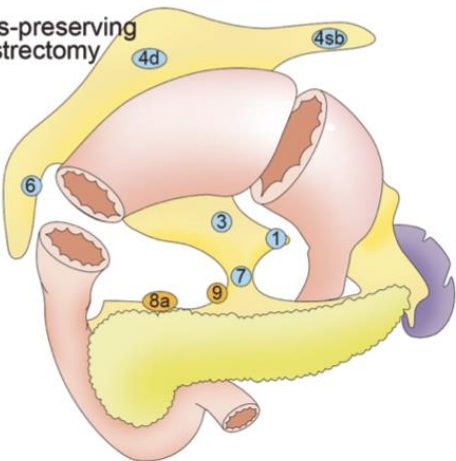Copyright © 2004, Elsevier.

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
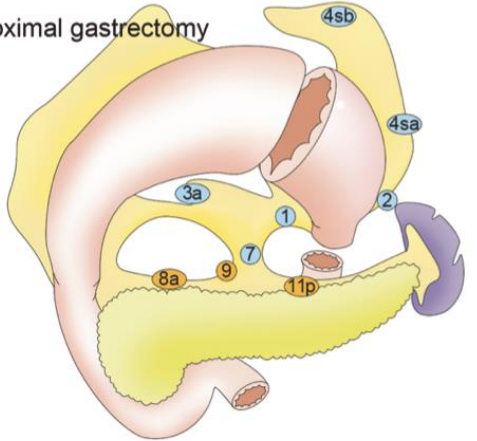
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
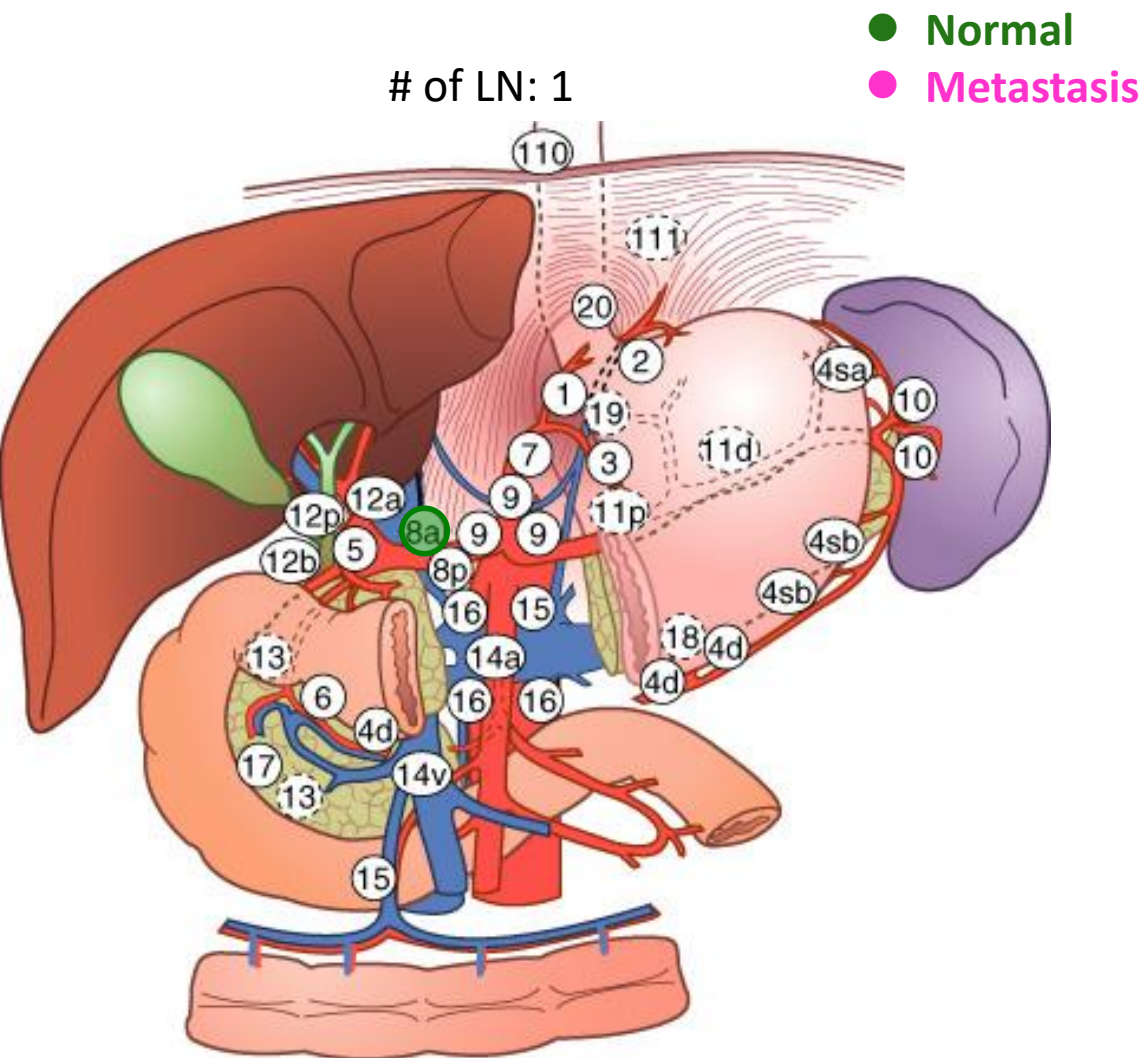D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
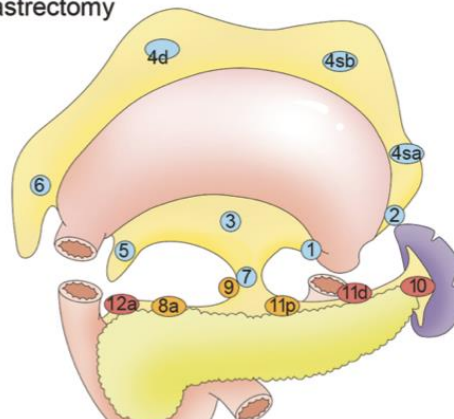D1+ includes No. 110

○ D1
○○ D1+
○○○ D2

#IS28 (total gastrectomy, T3N1M0, EGJ, -, present)

# of LN: 1
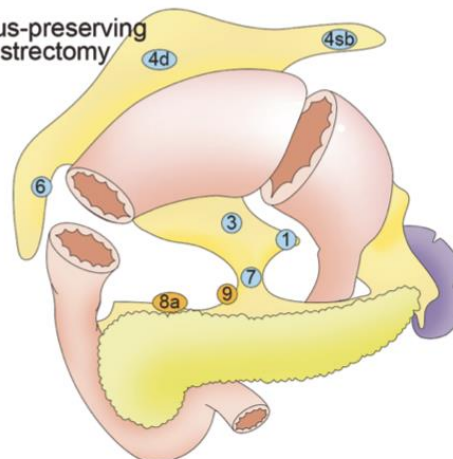
● **Normal**
● **Metastasis**

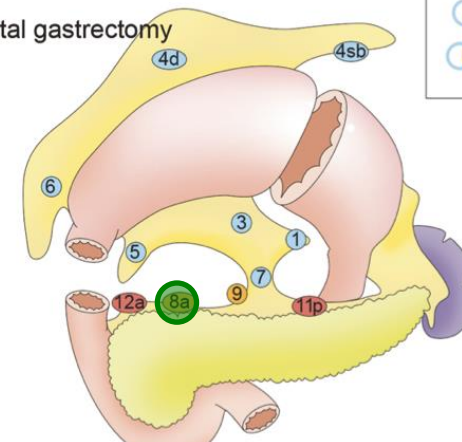Copyright © 2004, Elsevier.

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

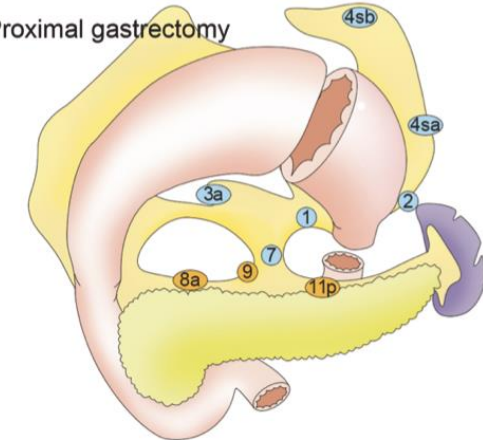**c** Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
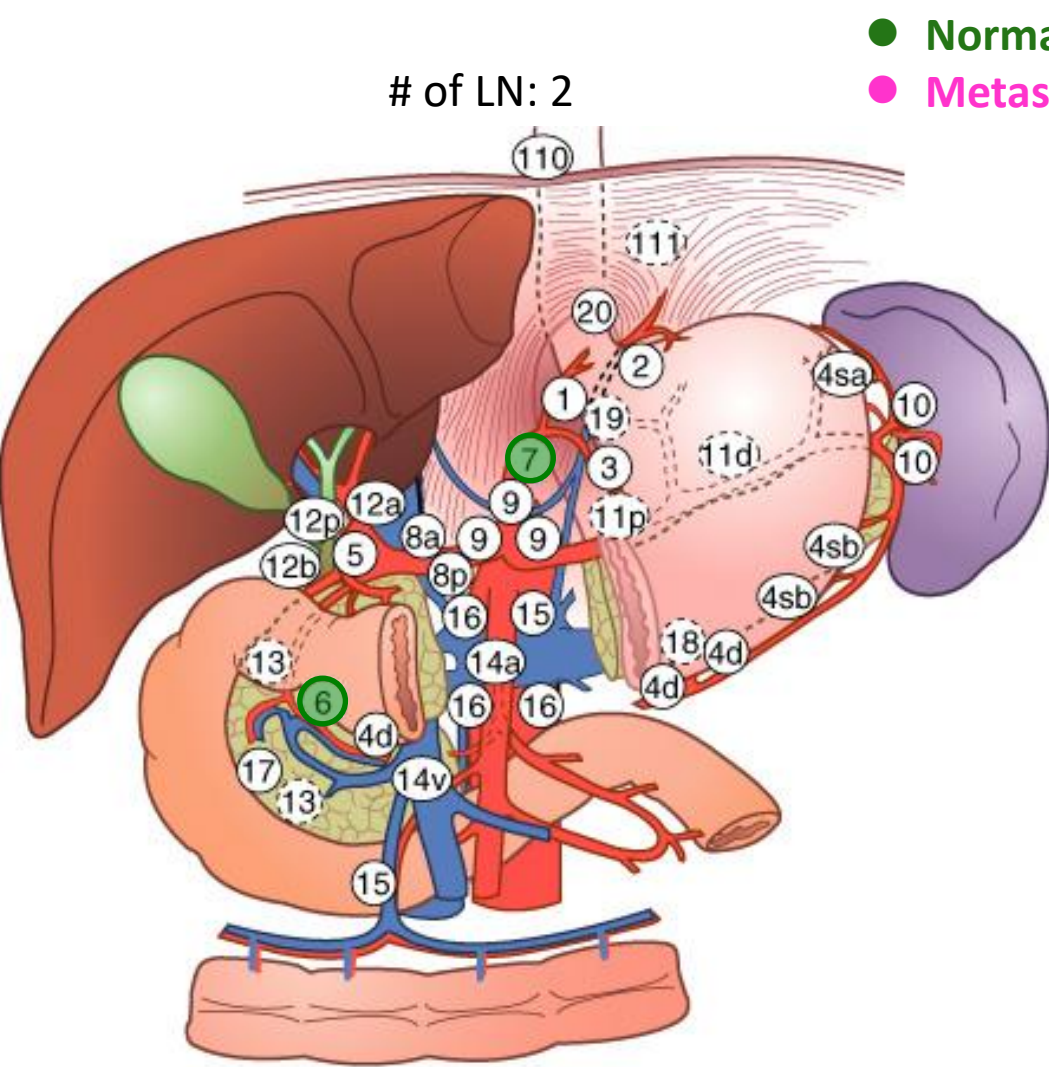D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

D1
D1+
D2

#IS29 (distal gastrectomy, T4aN0M0, antrum, -, present)

Normal
Metastasis

# of LN: 1

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
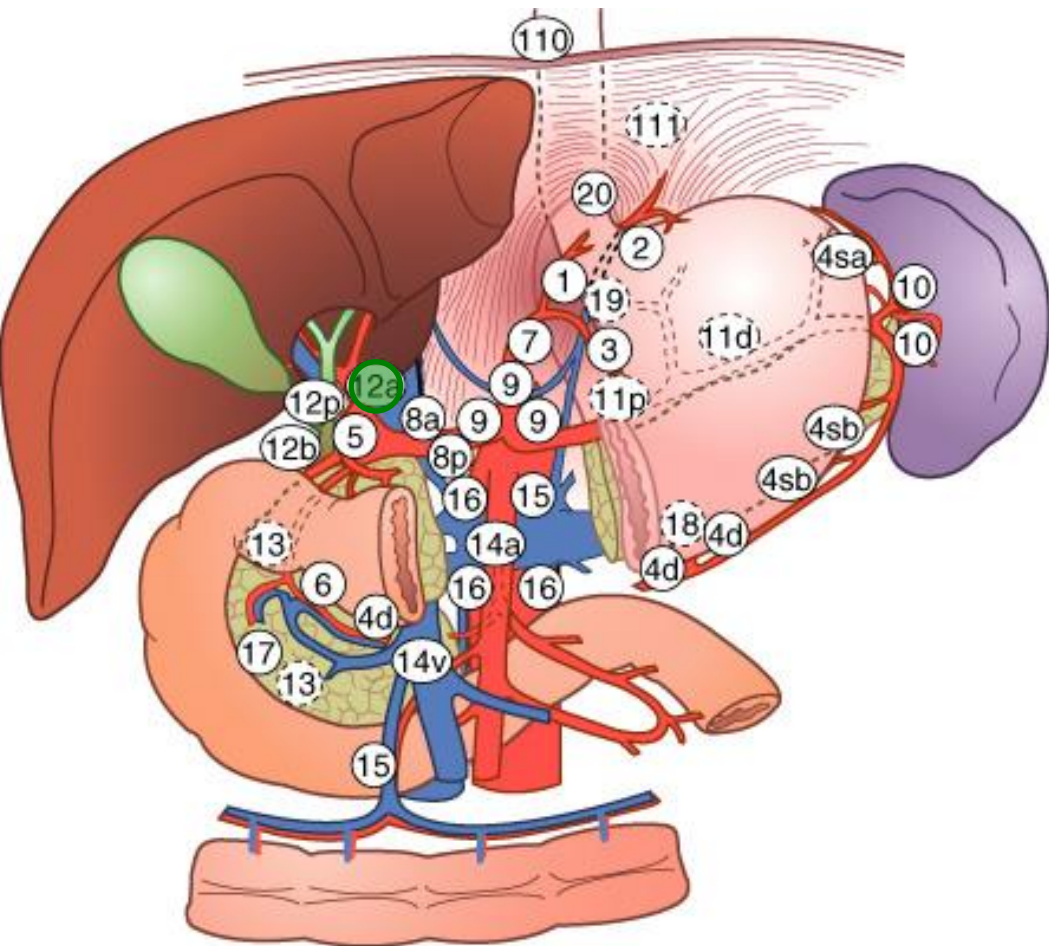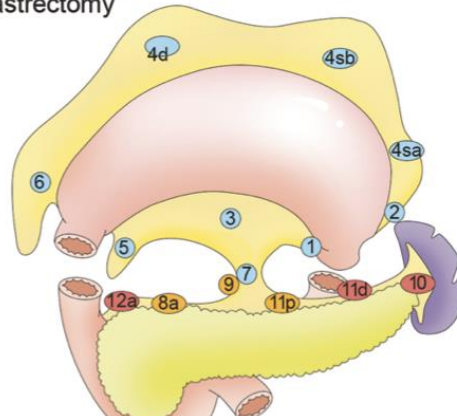*For tumors invading the esophagus,
D1+ includes No. 110

D1   D1+   D2

Copyright © 2004, Elsevier.

#IS30 (distal gastrectomy, T2N2M0, low body, LC, present)

# of LN: 2

- ● **Normal**
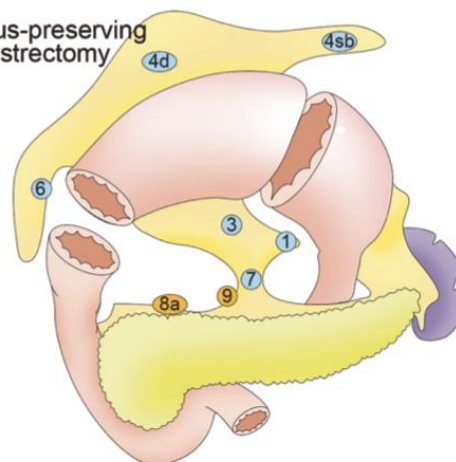- ● **Metastasis**

○ D1
◯◯ D1+
◯◯◯ D2

Copyright © 2004, Elsevier.
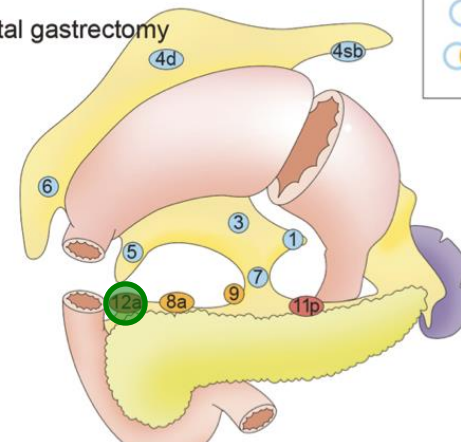
a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

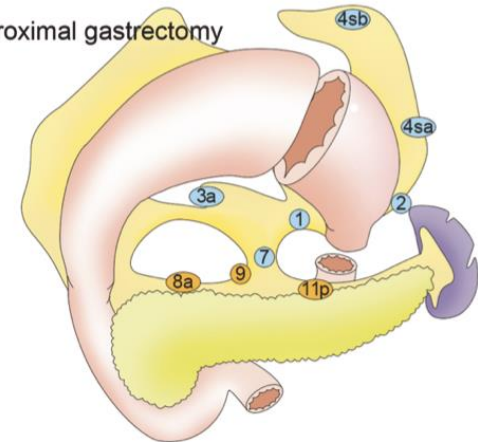**c** Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
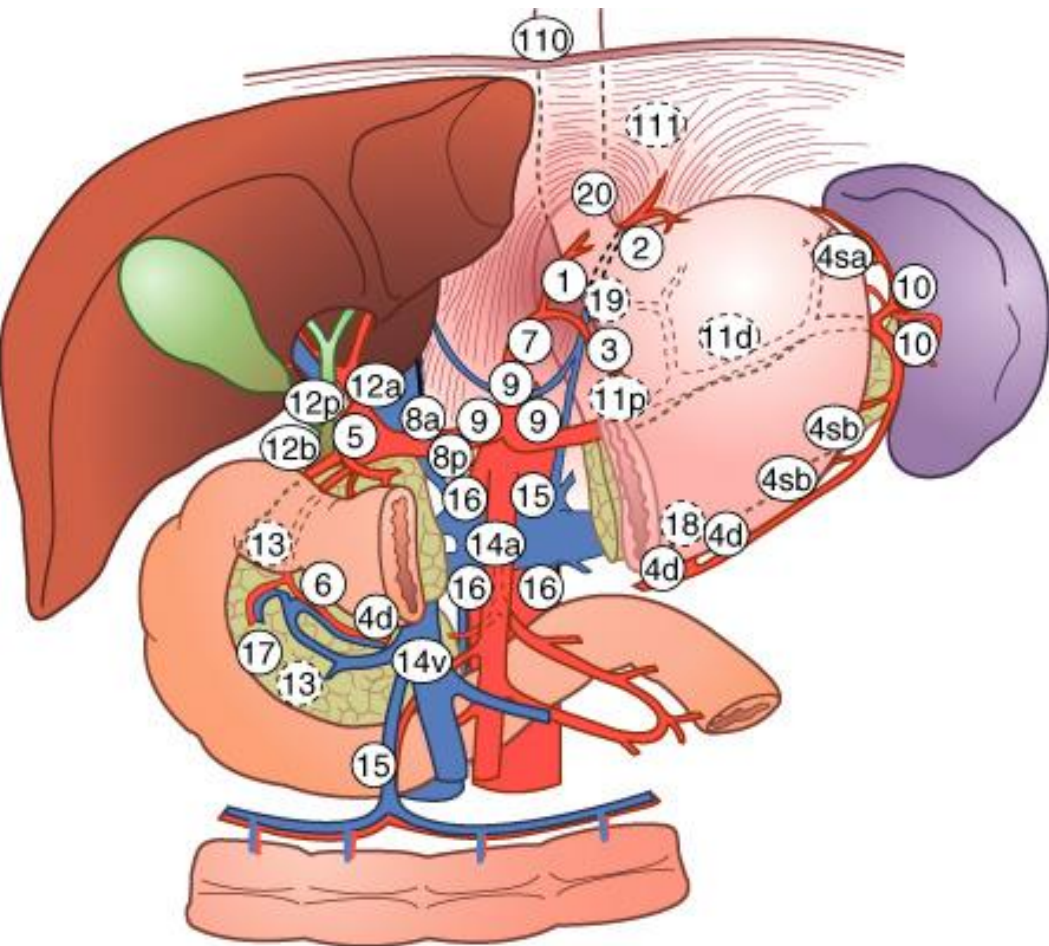*For tumors invading the esophagus,
D1+ includes No. 110

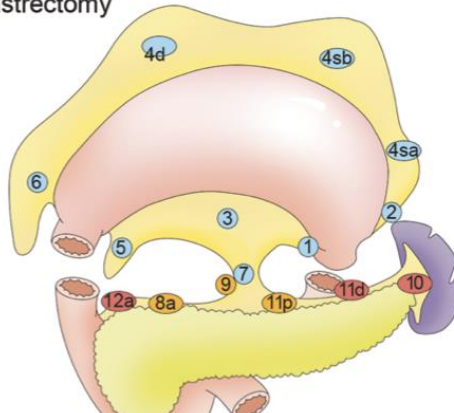# #IS31 (distal gastrectomy, T1N0M0, body, LC, present)

# of LN: 1
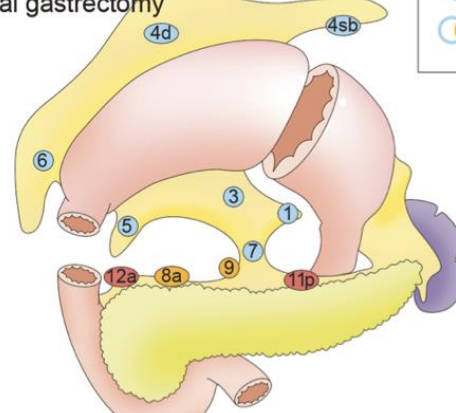
● **Normal**
● **Metastasis**

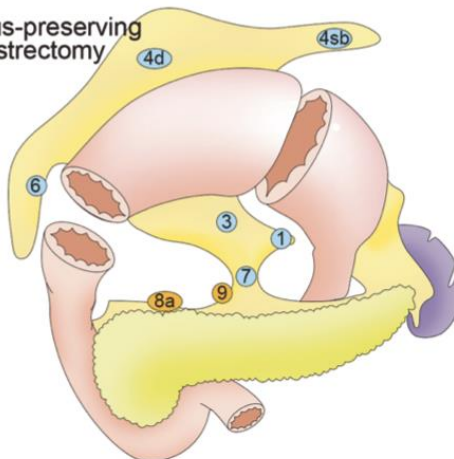Copyright © 2004, Elsevier.

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
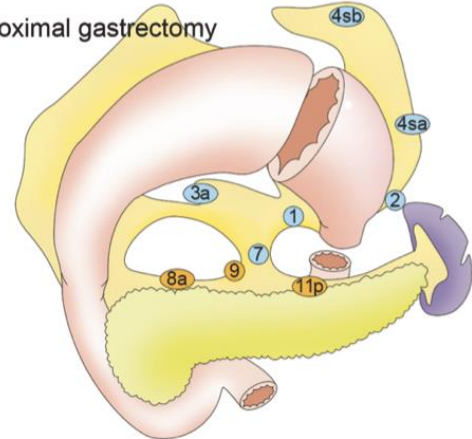
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

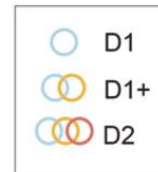**c** Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
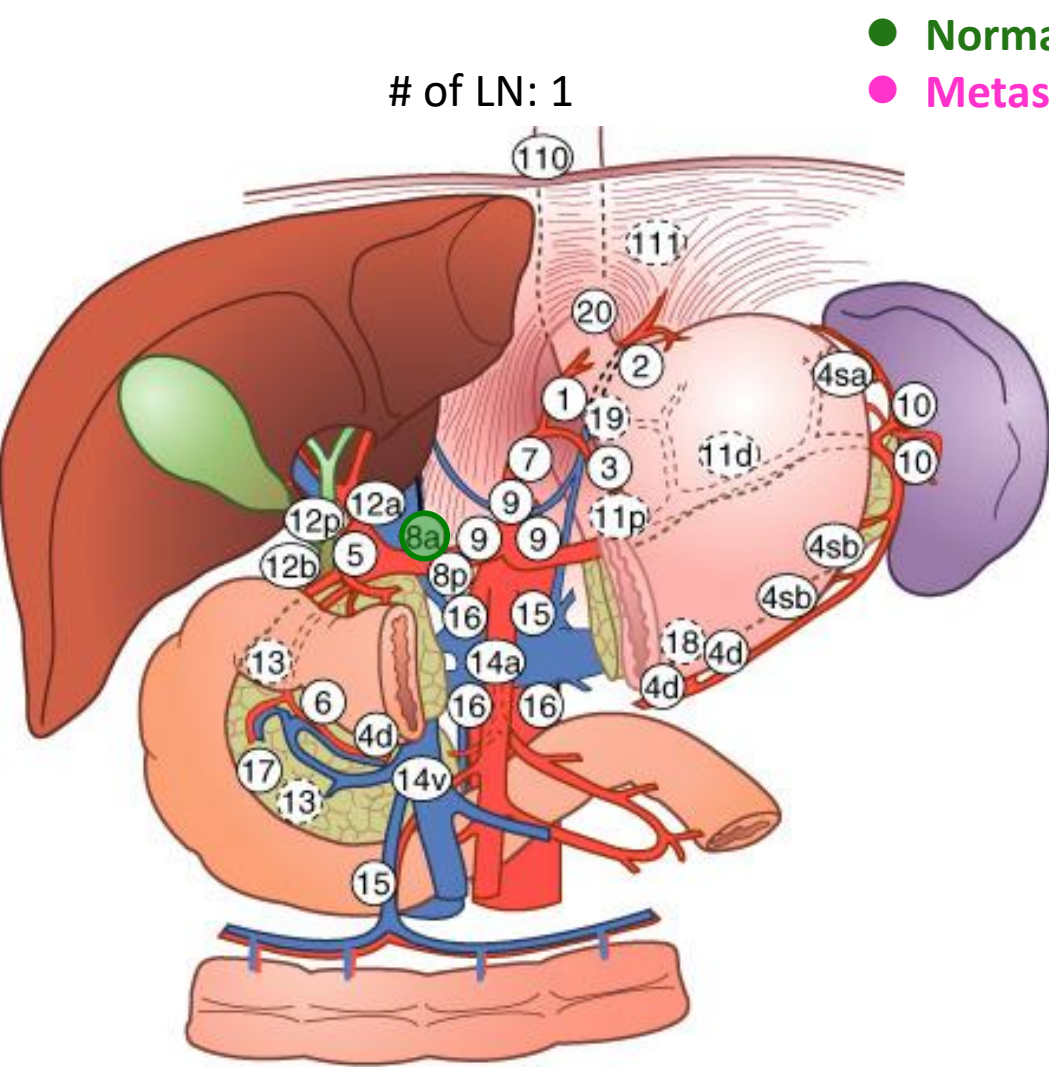D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

D1
D1+
D2

#IS32 (distal gastrectomy, T1N0M0, antrum, GC, present)

<No LNs detected>

# of LN: 0

● **Normal**
● **Metastasis**

Legend:
- ○ D1
- ○○ D1+
- ○○○ D2

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy
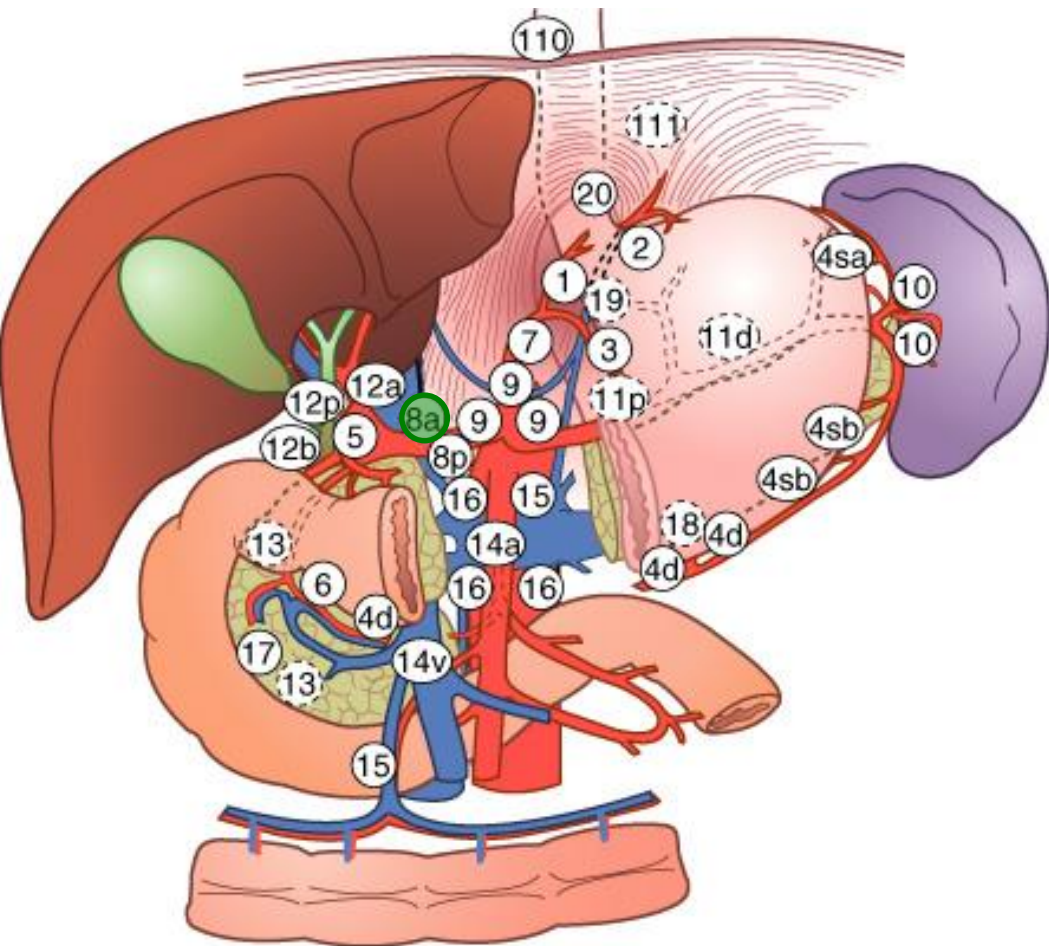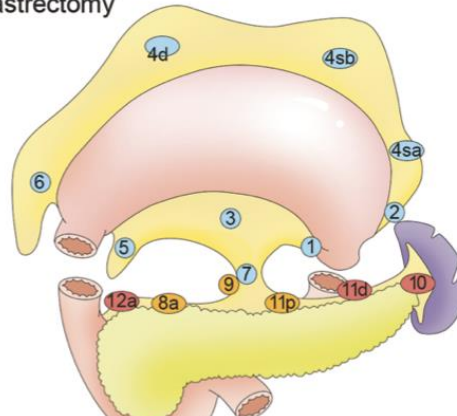
D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

Copyright © 2004, Elsevier.

#IS33 (distal gastrectomy, T1bN0M0, antrum, GC, absent)
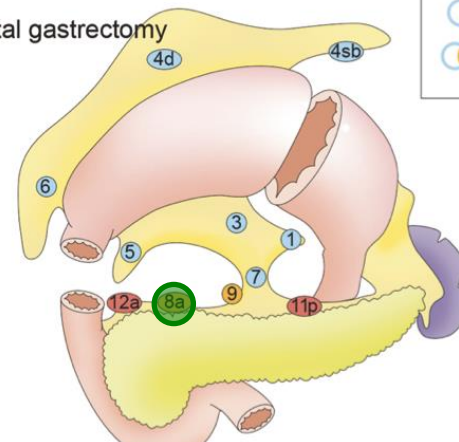

# of LN: 1

● **Normal**
● **Metastasis**
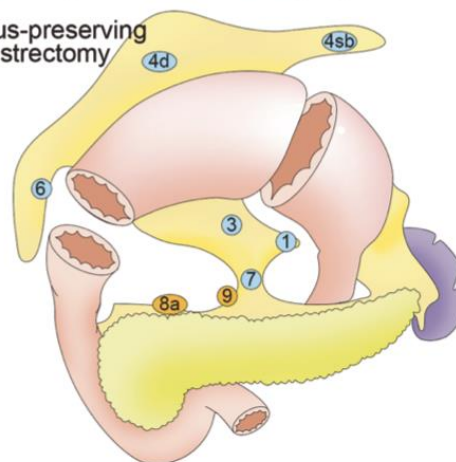
D1
D1+
D2

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
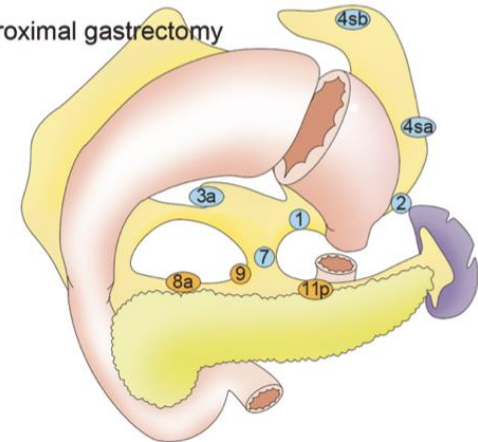No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
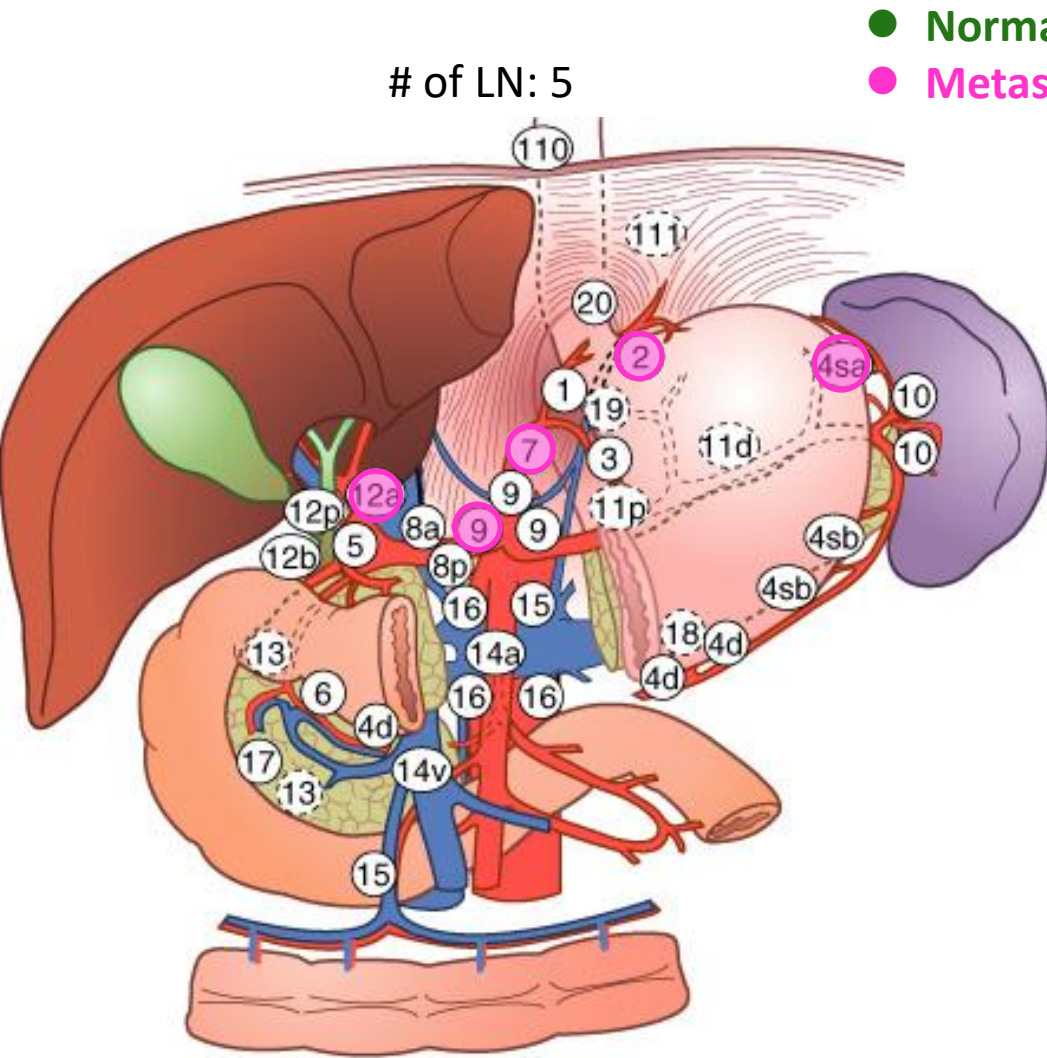D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
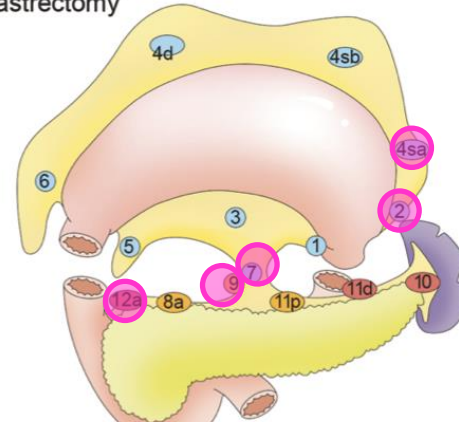D1+ includes No. 110

Copyright © 2004, Elsevier.

#IS34 (distal gastrectomy, T1N0M0, body, PW, not identified)
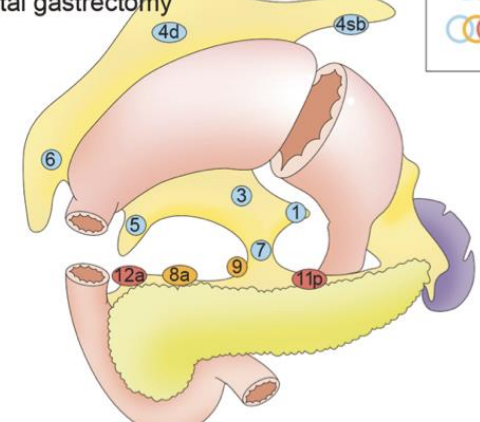

# of LN: 1

● **Normal**
● **Metastasis**

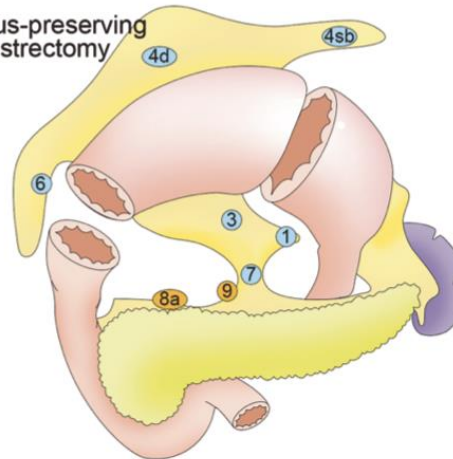Copyright © 2004, Elsevier.

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy
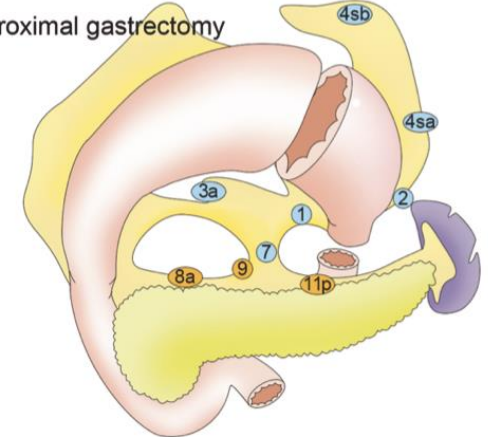
○ D1
◯◯ D1+
◯◯◯ D2

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
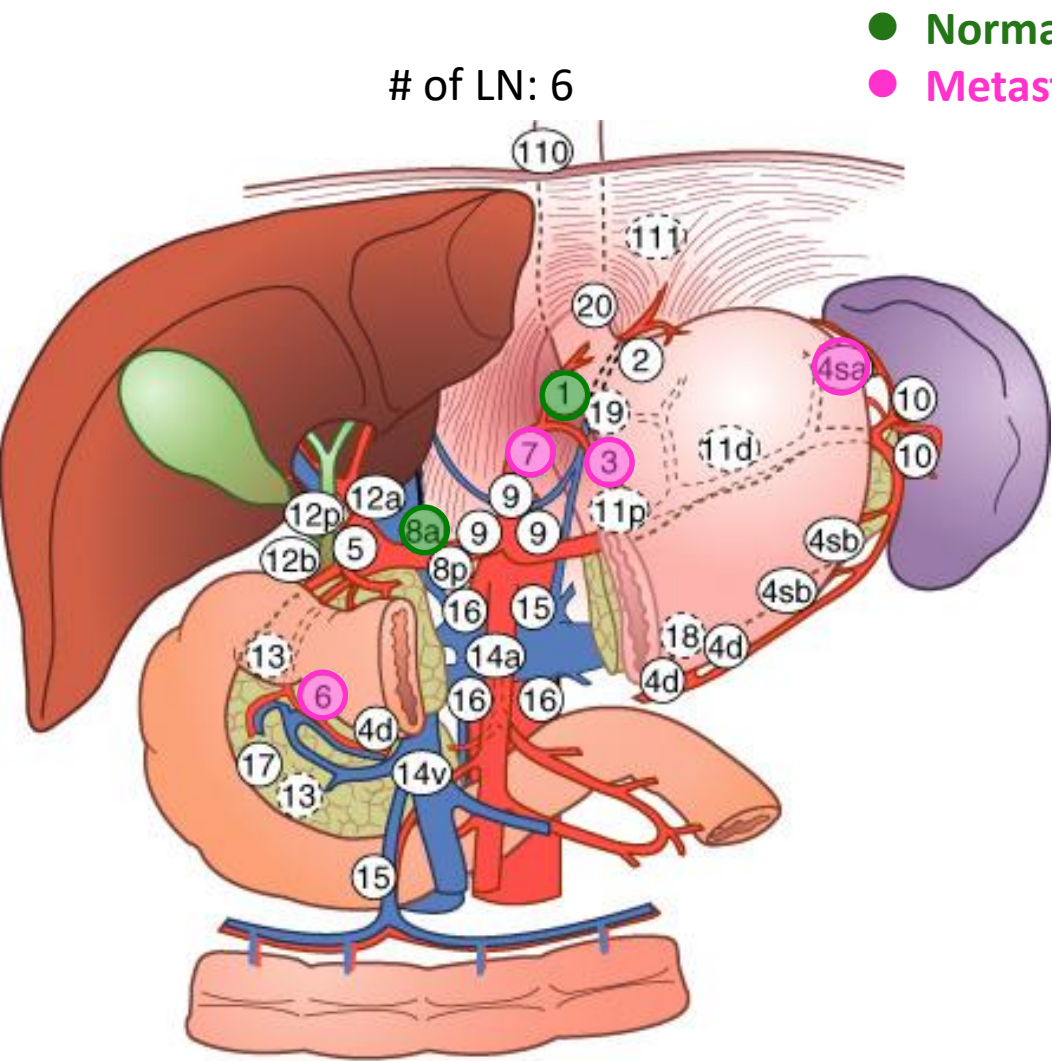D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

#IS35 (total gastrectomy, T4aN3bM0, involving entire stomach, -, present)

Normal
Metastasis

# of LN: 5

Copyright © 2004, Elsevier.

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

D1
D1+
D2

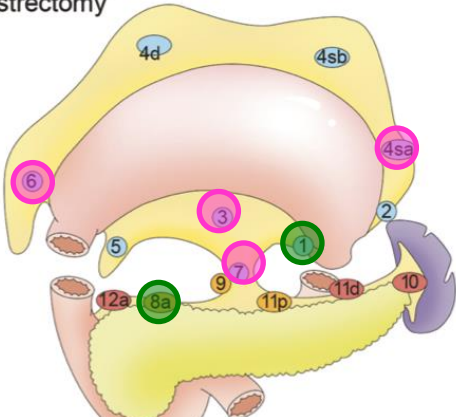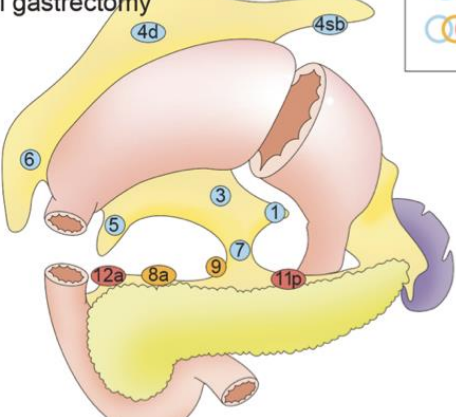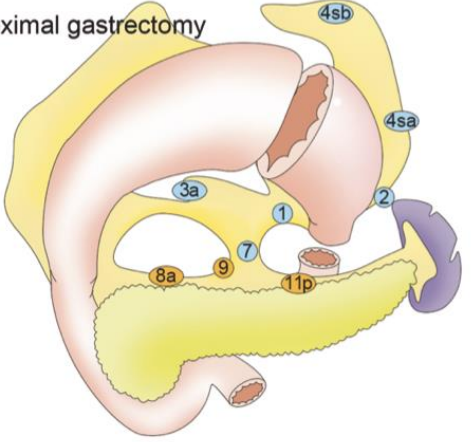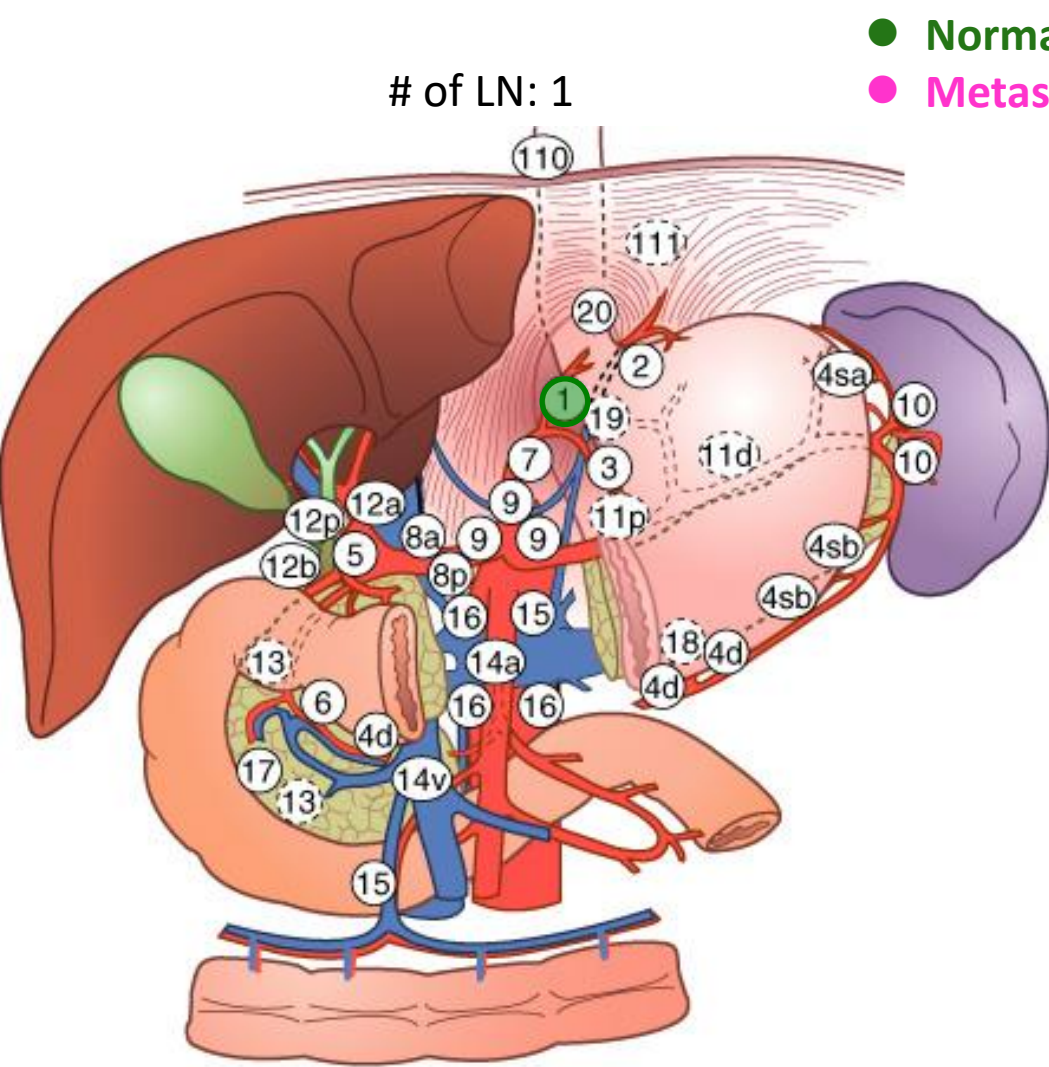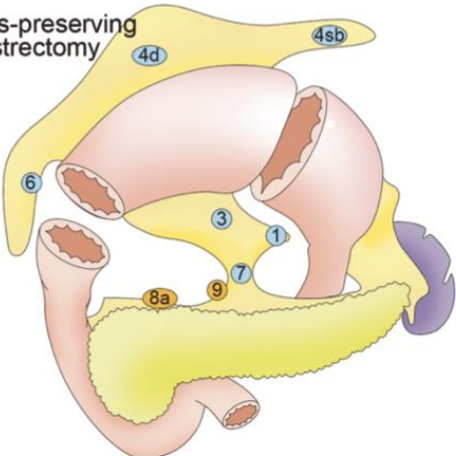# #IS37 (total gastrectomy, T4aN3M0, antrum, (GC, AW-PW), present)

Normal
Metastasis

# of LN: 6

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

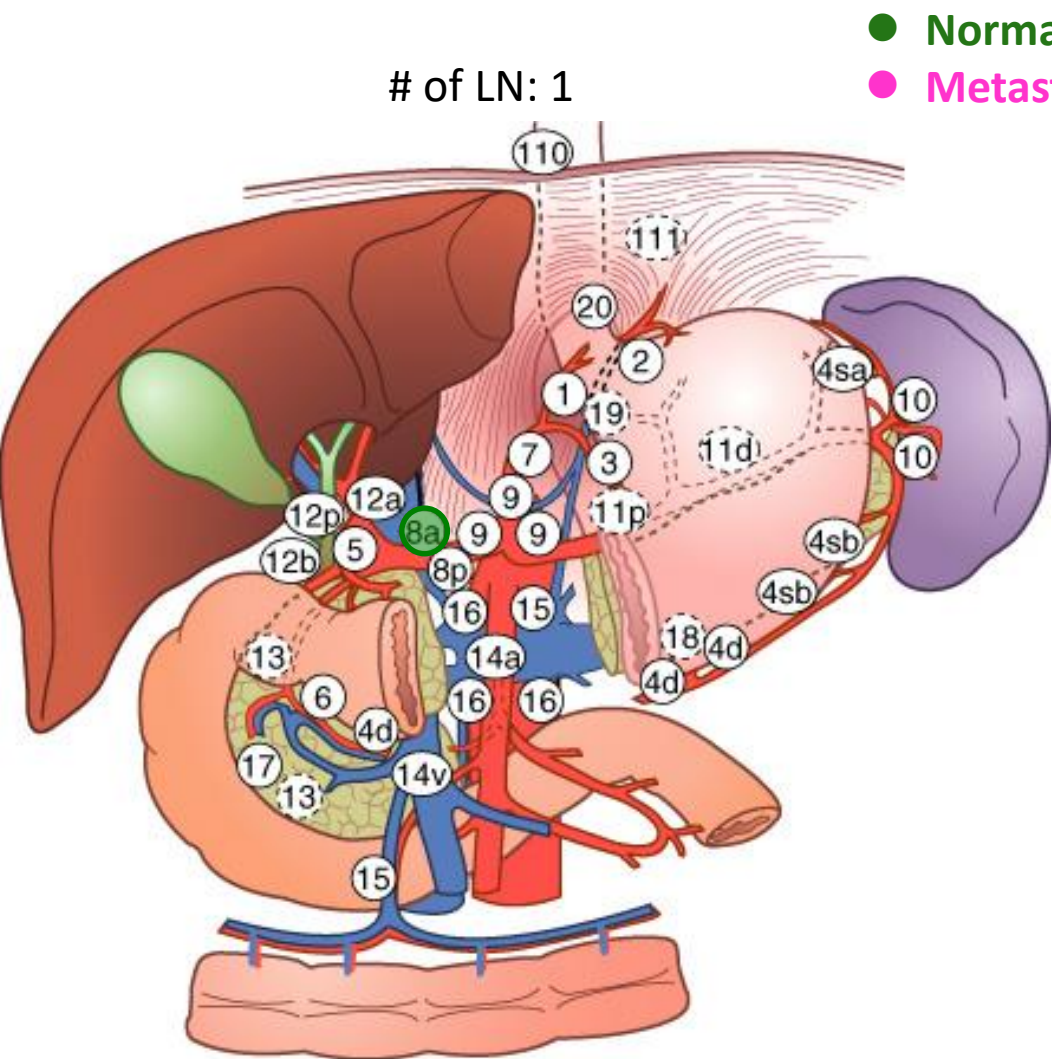**c** Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
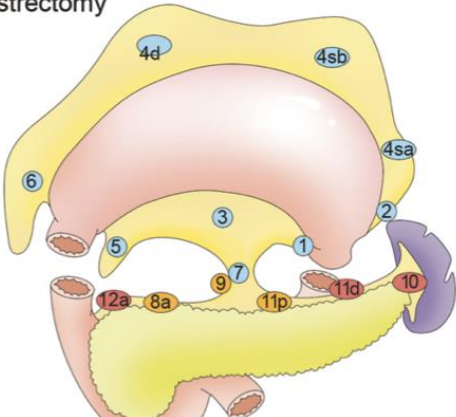*For tumors invading the esophagus,
D1+ includes No. 110

D1
D1+
D2

#IS38 (distal gastrectomy, T3N2M0, antrum, (LC, AW-PW), present)

Normal
Metastasis

# of LN: 3

Copyright © 2004, Elsevier.

D1
D1+
D2

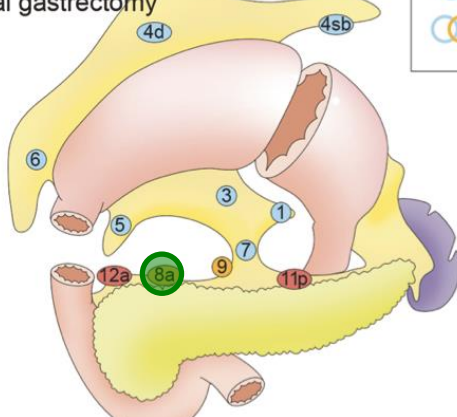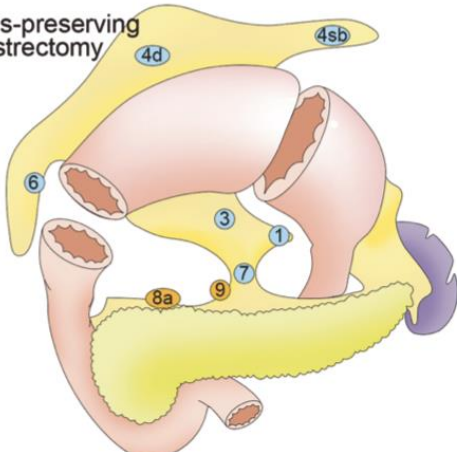**a** Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
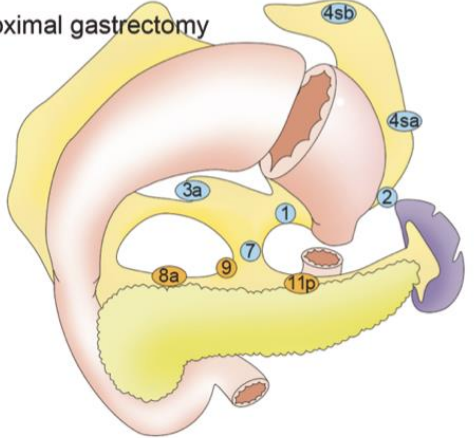No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
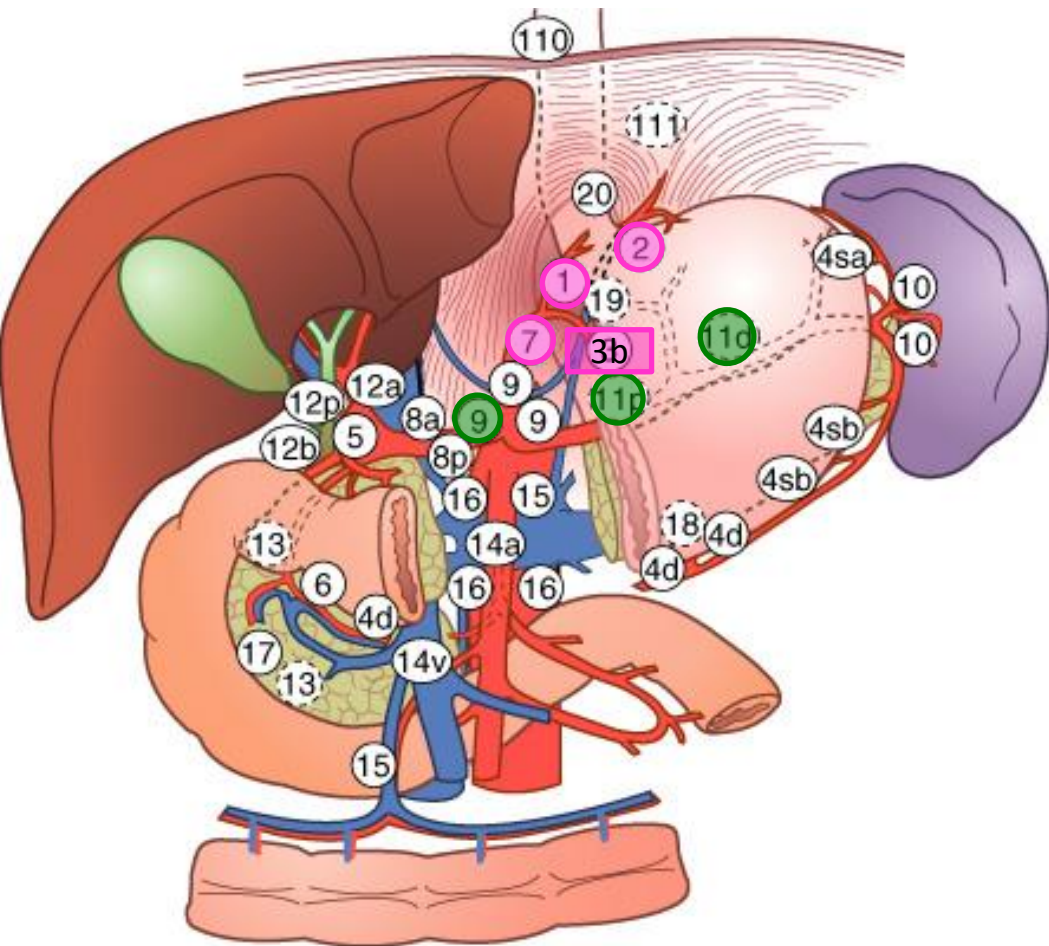D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110
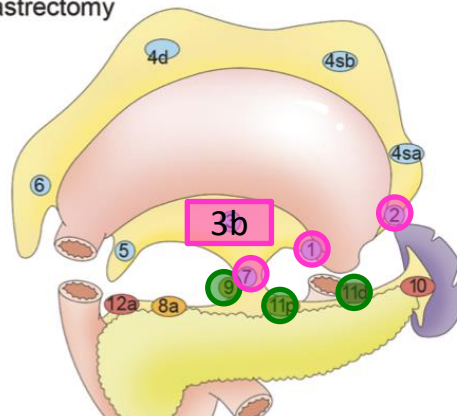
#IS39 (distal gastrectomy, T2N0M0, body, AW, present)
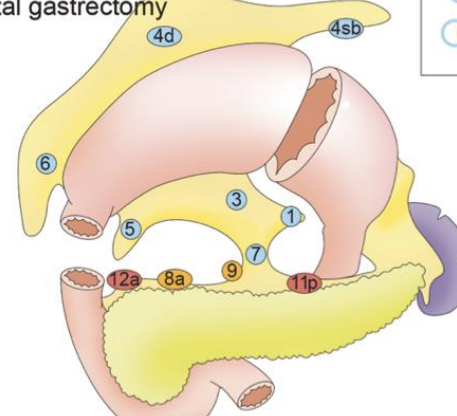
# of LN: 1

● **Normal**
● **Metastasis**

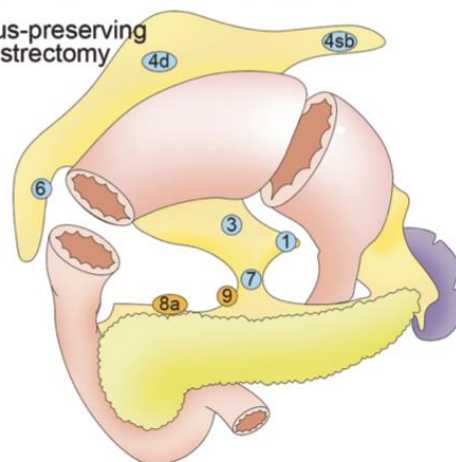Legend: D1, D1+, D2

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
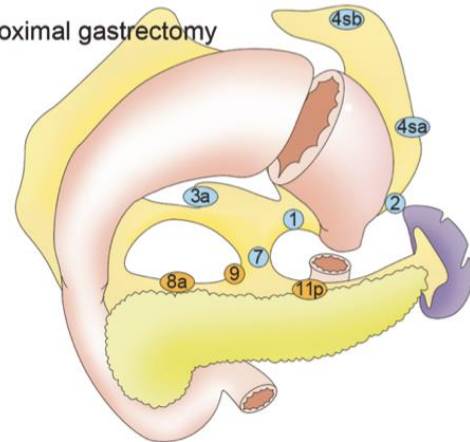
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
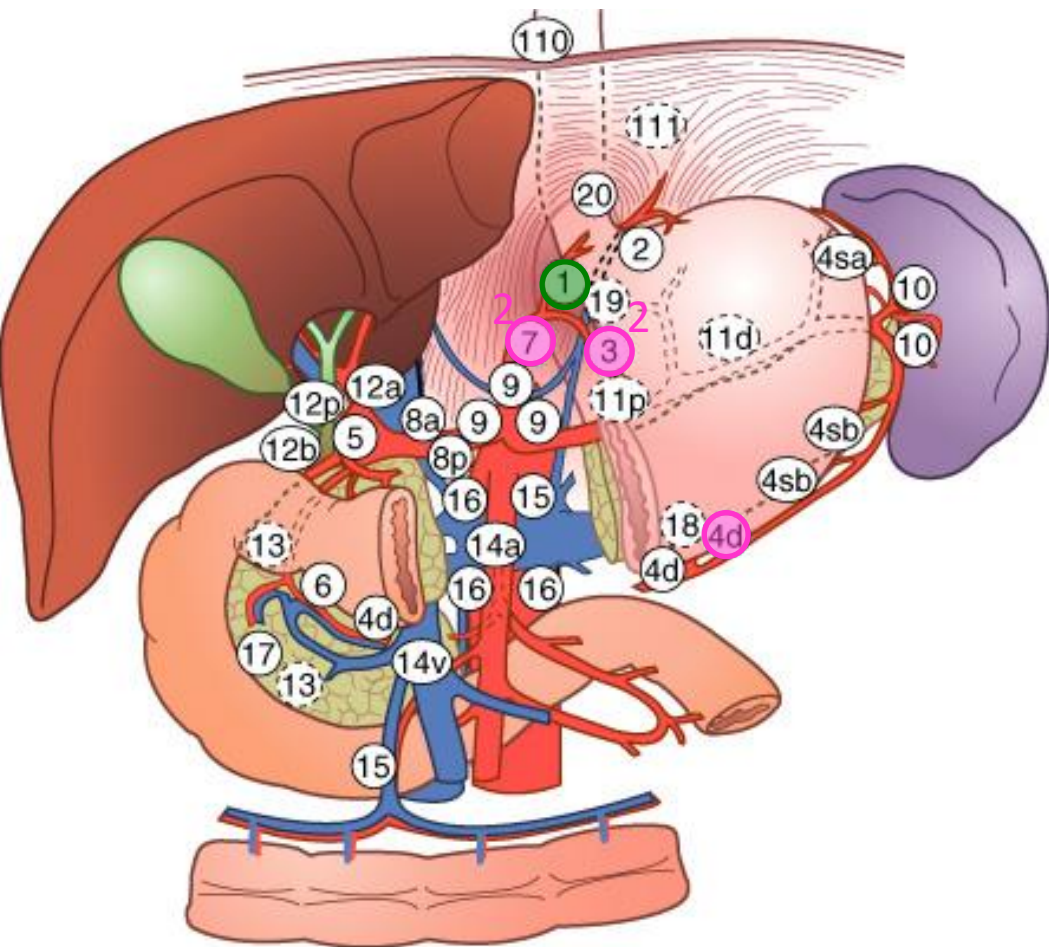D1+ includes No. 110

Copyright © 2004, Elsevier.

#IS40 (distal gastrectomy, T1N0M0, body, LC, not identified)

# of LN: 1

● **Normal**
● **Metastasis**

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

D1 ○
D1+ ○○
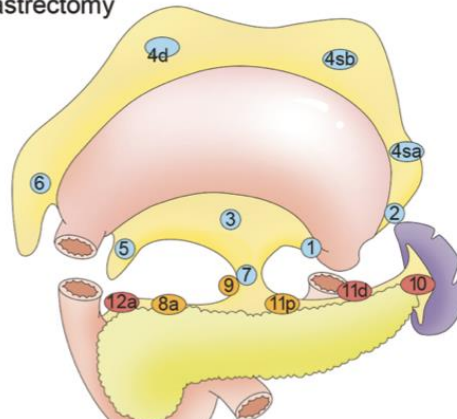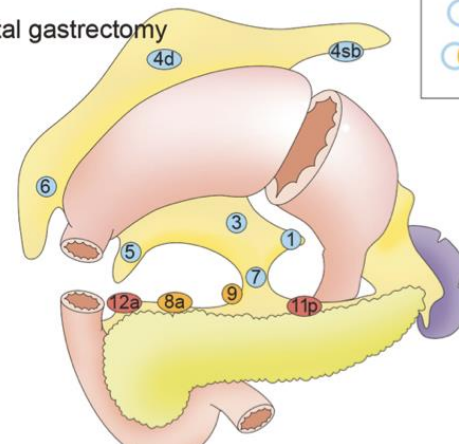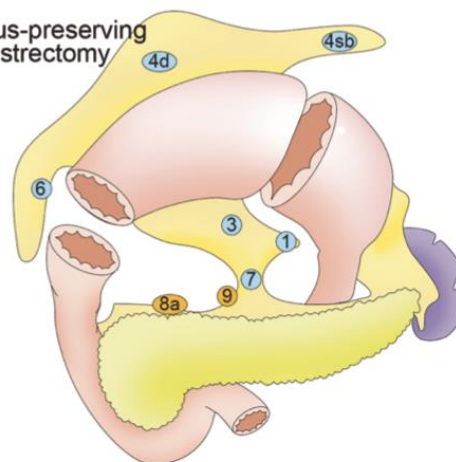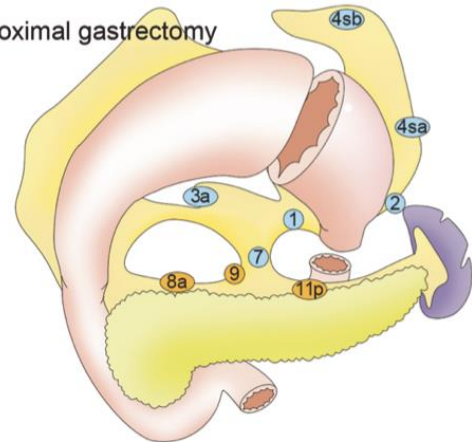D2 ○○

#IS41 (distal gastrectomy, T1aN0M0, antrum, PW, not identified)

Normal
Metastasis

# of LN: 2

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a
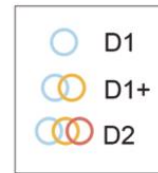
c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
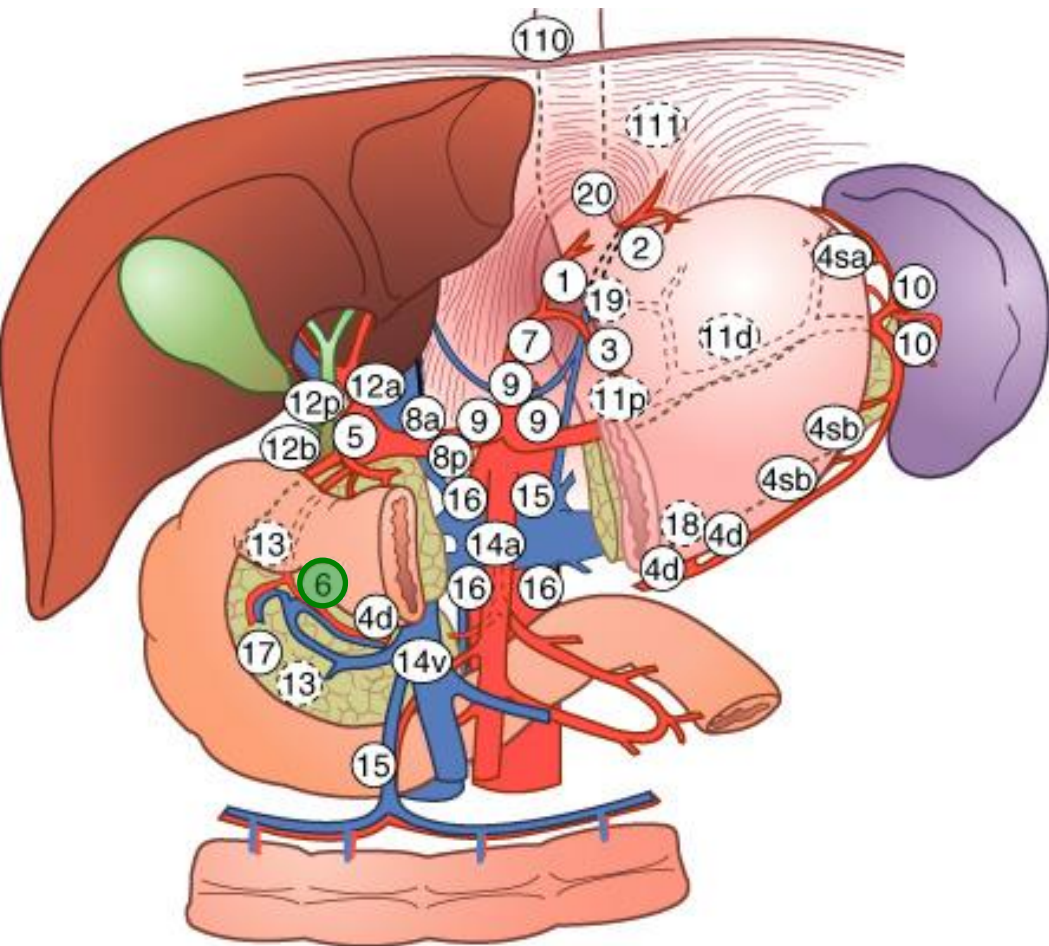D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110
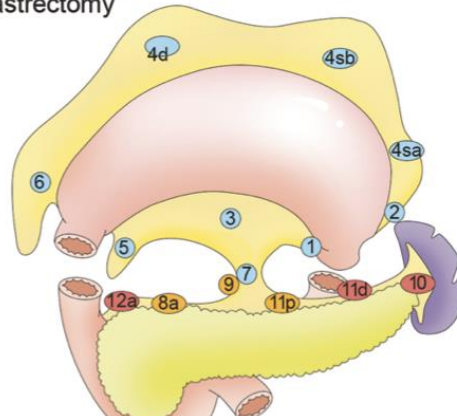
D1
D1+
D2

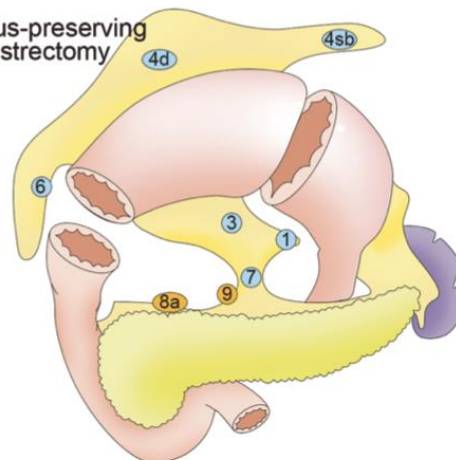# #IS42 (total gastrectomy, T3N3aM0, cardia, LC, present)

Normal
Metastasis
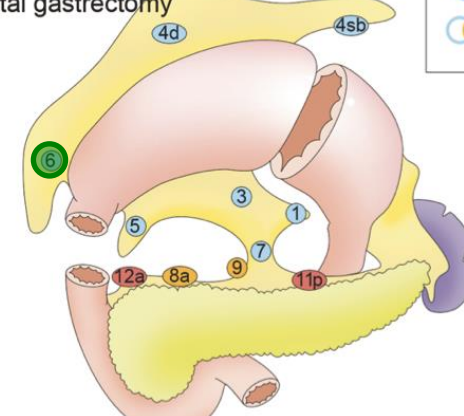
# of LN: 7

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

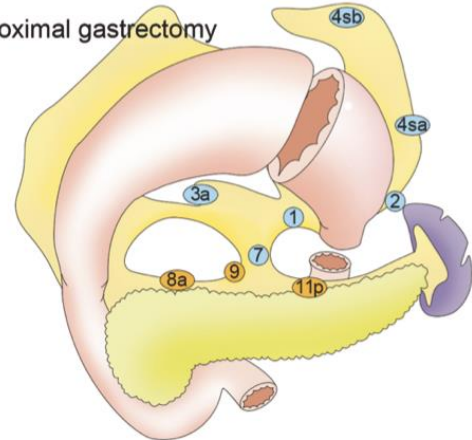**c** Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
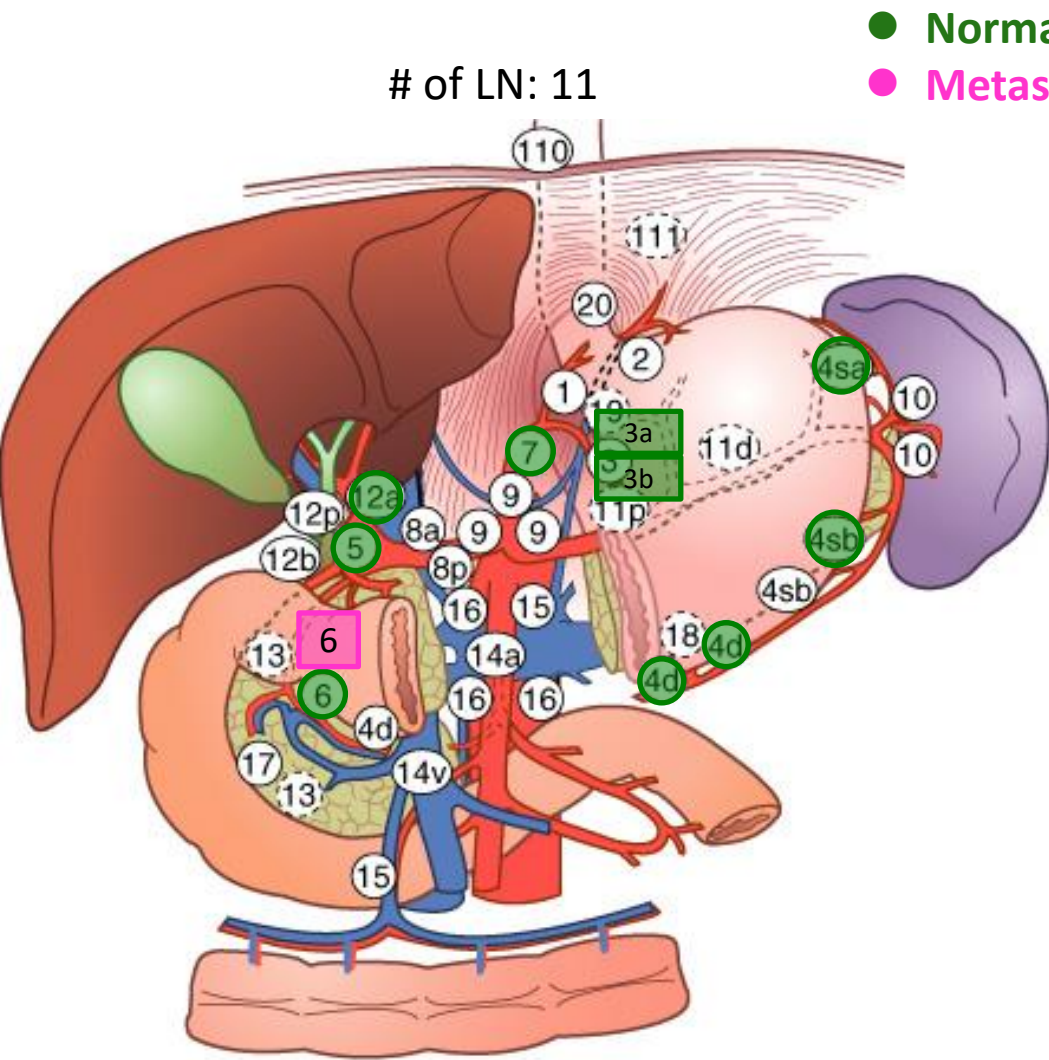D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

D1
D1+
D2

#IS43 (subtotal gastrectomy, T4aN3bM0, antrum and body, -, present)

<missing specific gastrectomy type >

# of LN: 6

Normal

Metastasis

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

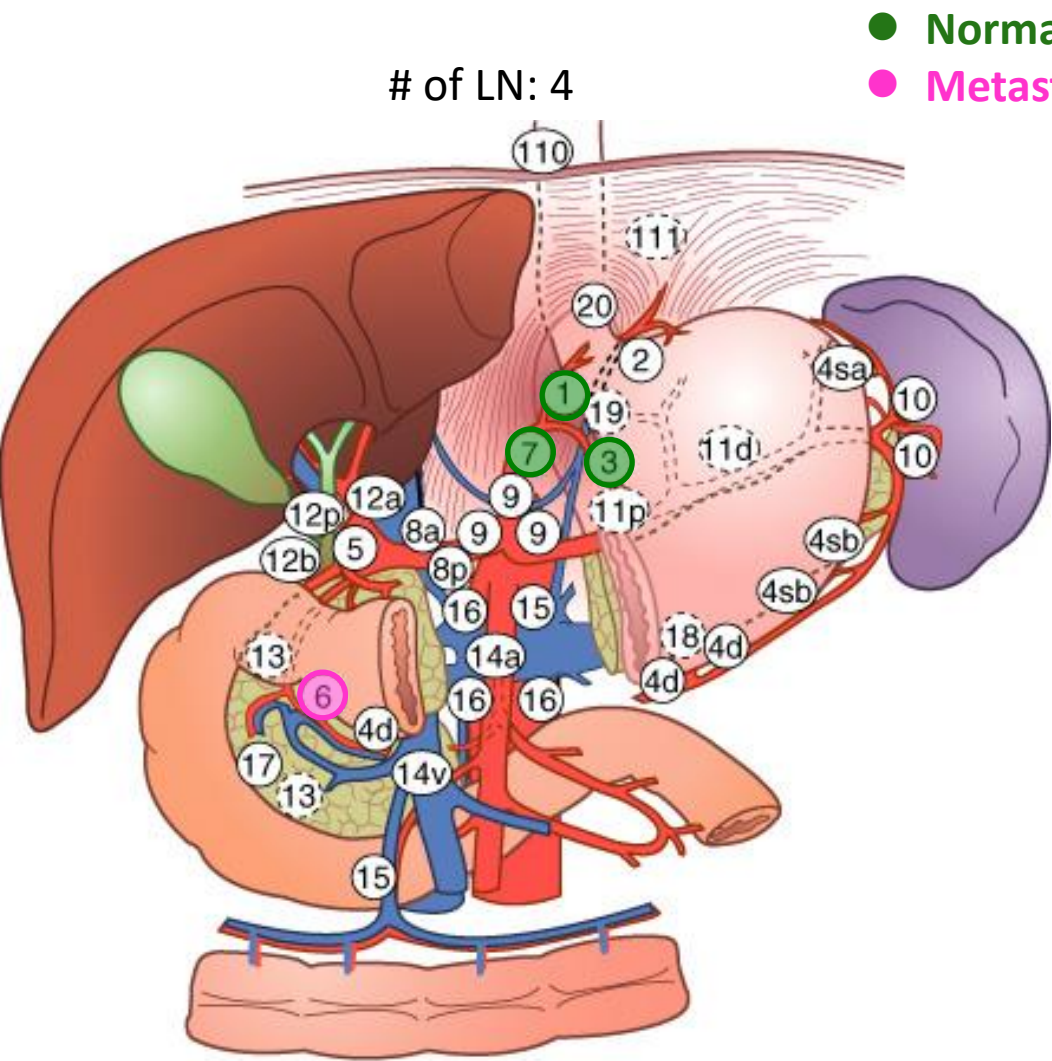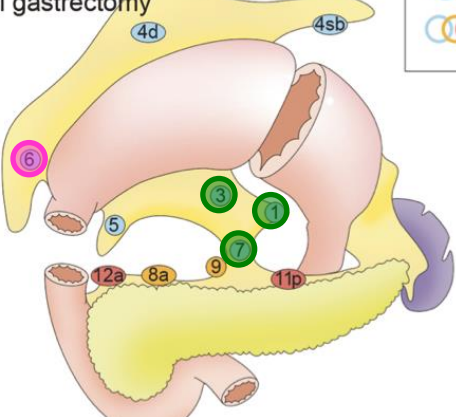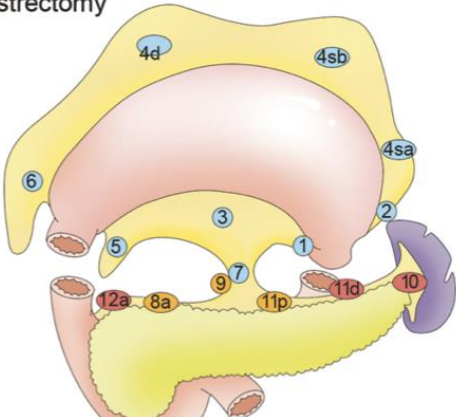**c** Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

D1
D1+
D2

Copyright © 2004, Elsevier.

#IS44 (distal gastrectomy, T3N0M0, body, GC, present)

Legend: ● **Normal** (green), ● **Metastasis** (magenta)

# of LN: 1

Legend (top right): ○ D1, ○○ D1+, ○○○ D2
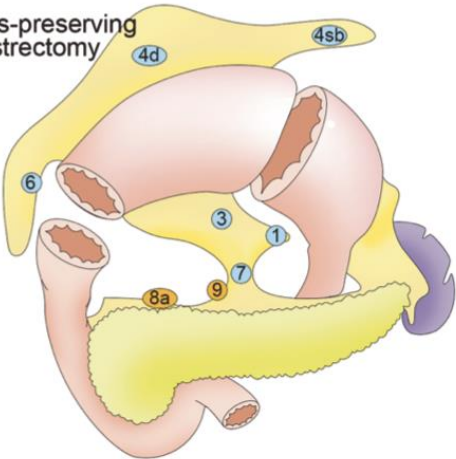
a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
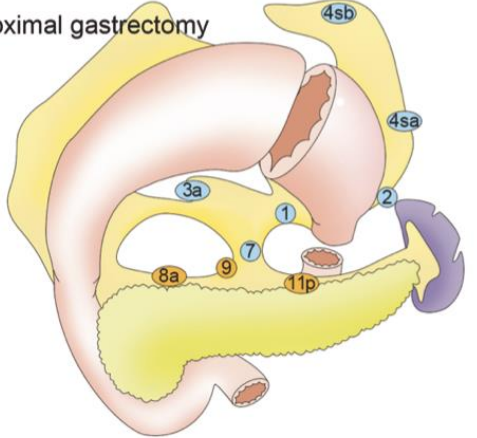
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
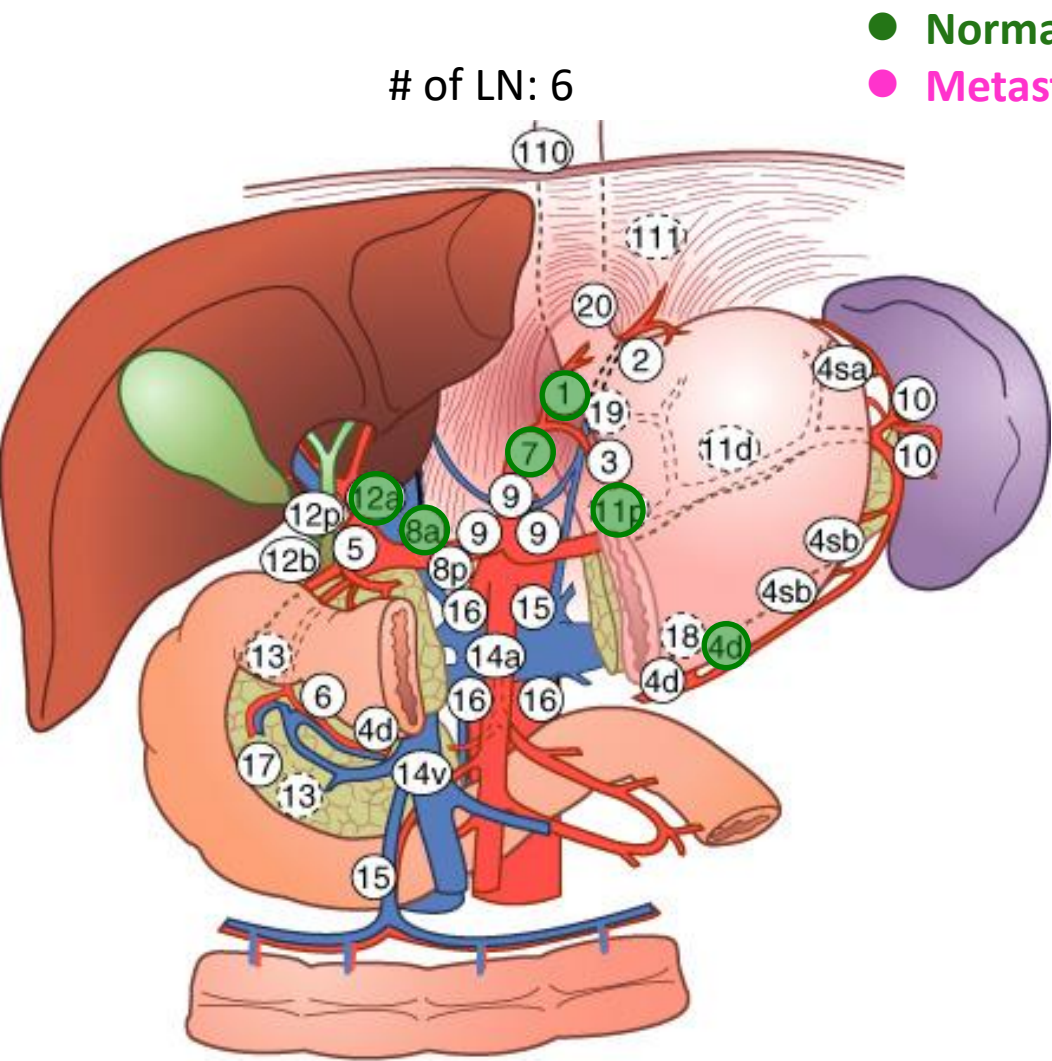D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

Copyright © 2004, Elsevier.

#IS45 (distal gastrectomy, T4aN1M0, antrum, (GC-LC, AW-PW), present)
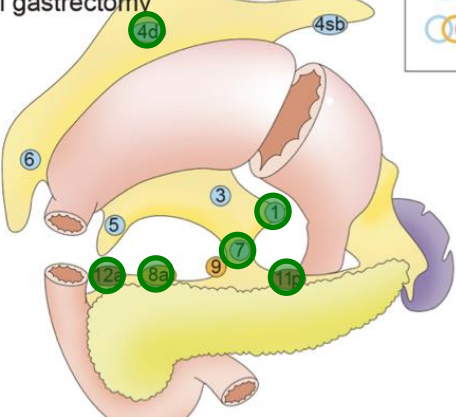

Normal

Metastasis

# of LN: 11

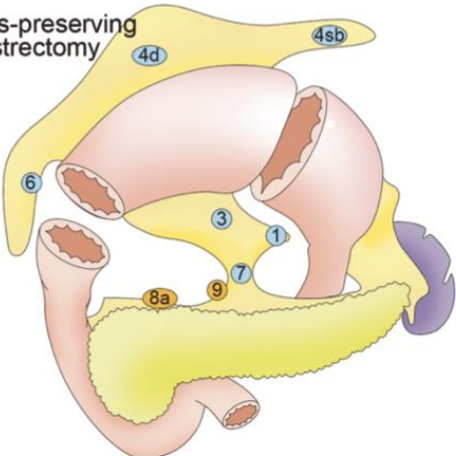Legend:
- D1
- D1+
- D2

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
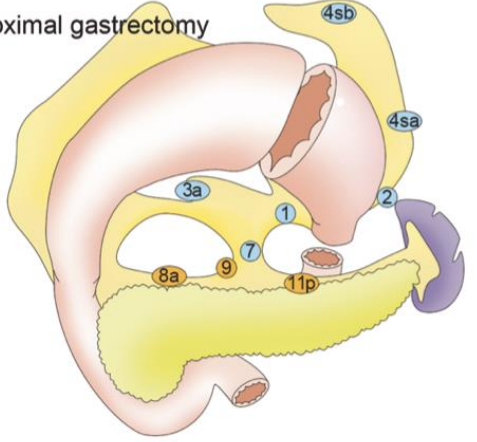
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
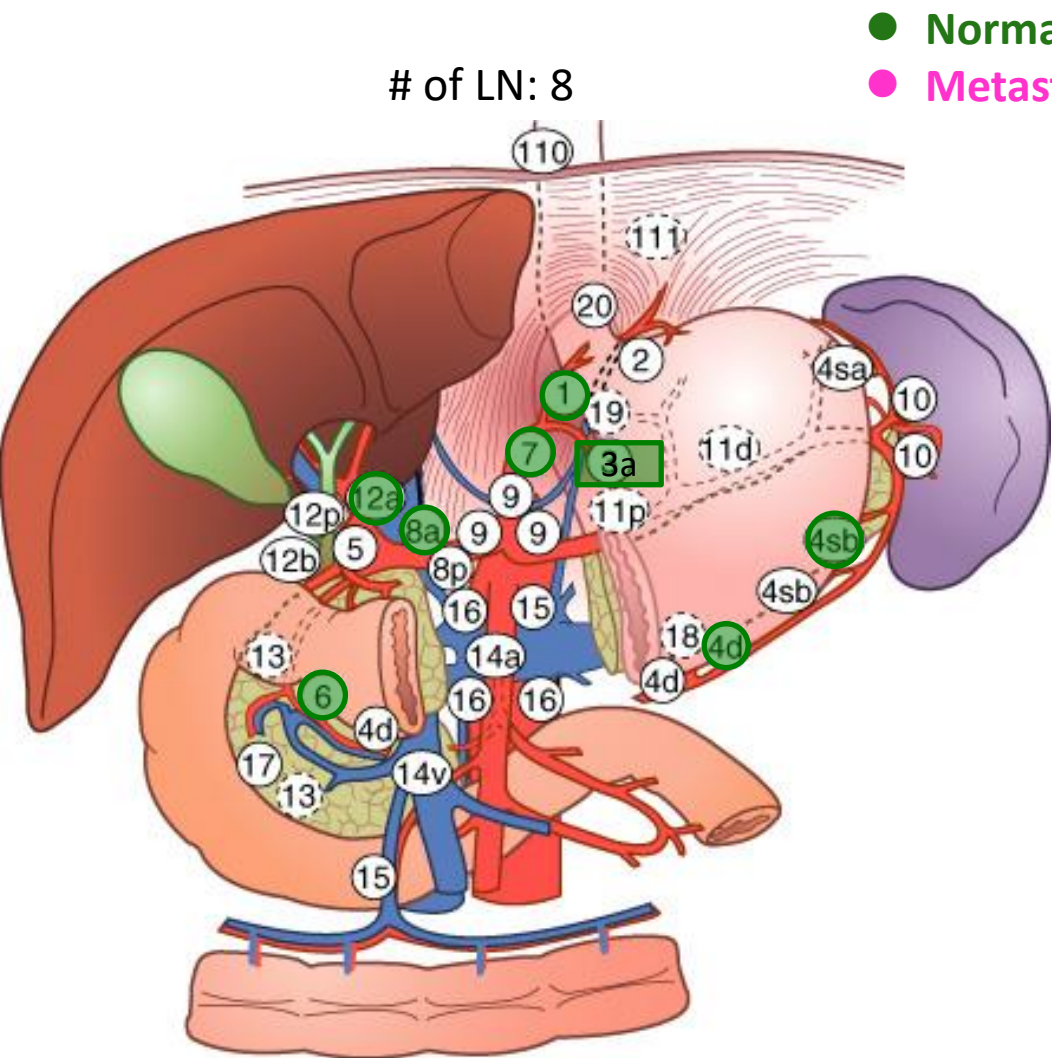D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
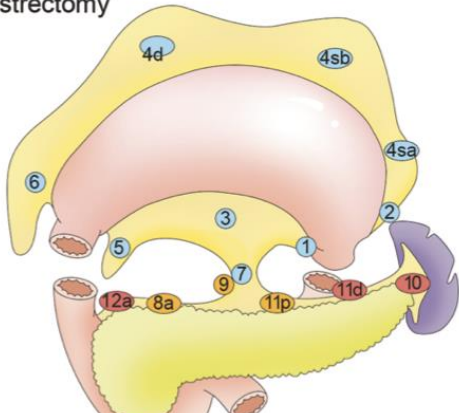D1+ includes No. 110

Copyright © 2004, Elsevier.

#IS46 (distal gastrectomy, T2N1M0, body, PW, absent)

# of LN: 4

● **Normal**
● **Metastasis**

D1
D1+
D2

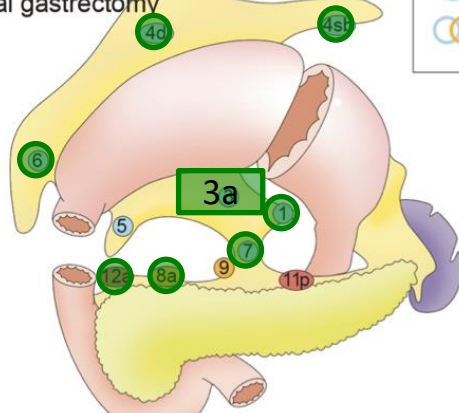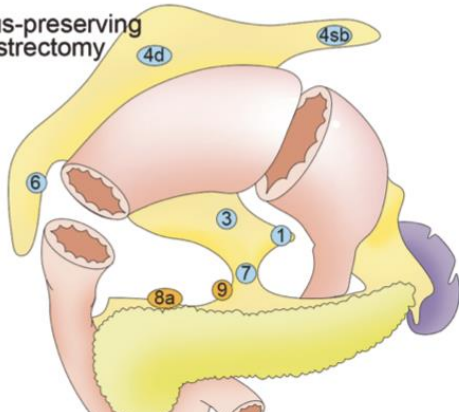**a** Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
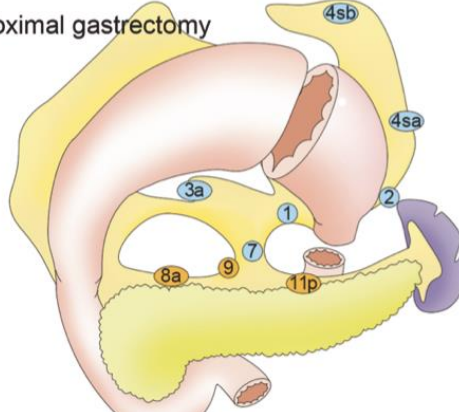
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a
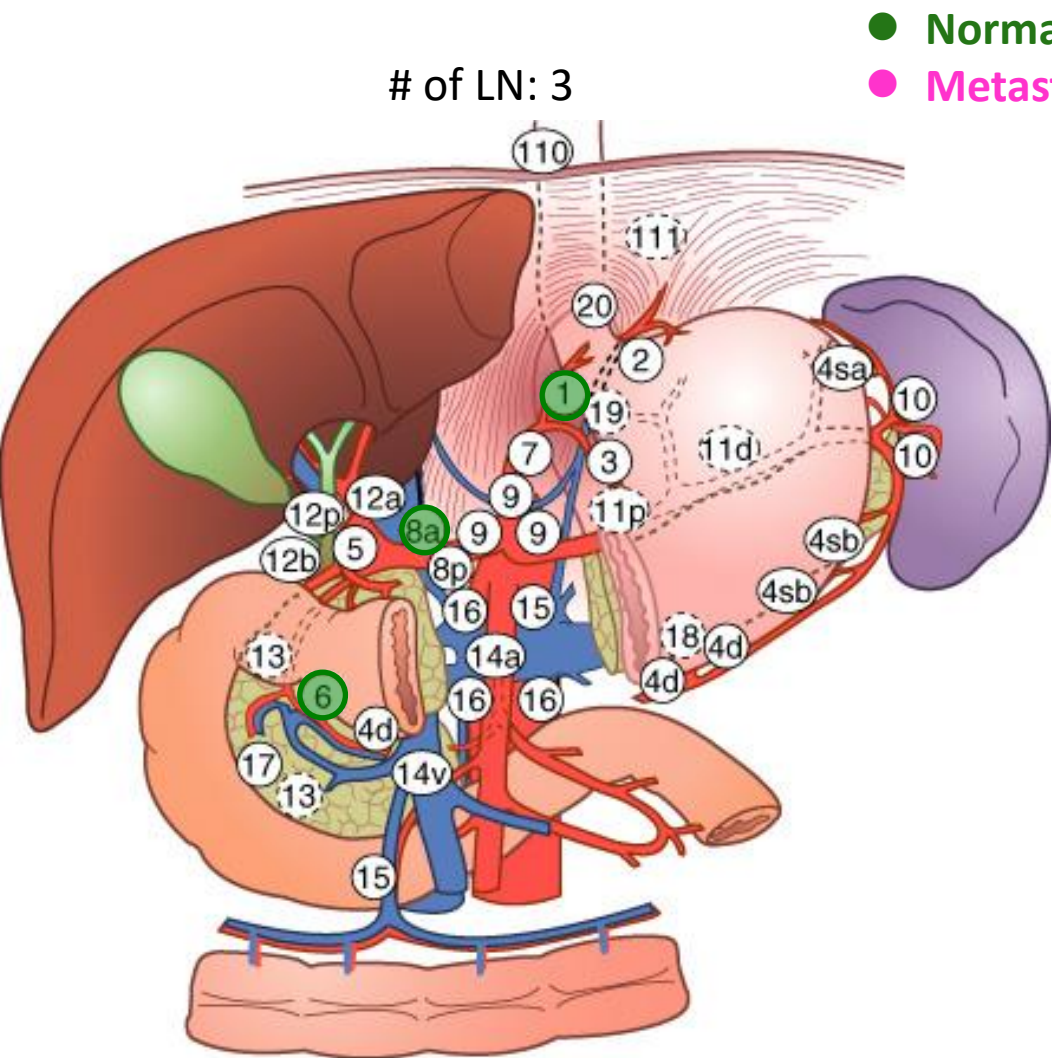
c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110
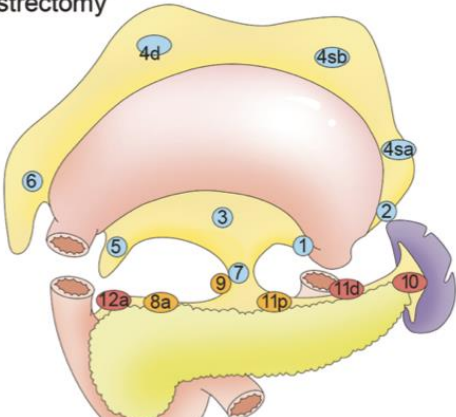
#IS47 (distal gastrectomy, T4aN0M0, body, AW, present)

- ● **Normal**
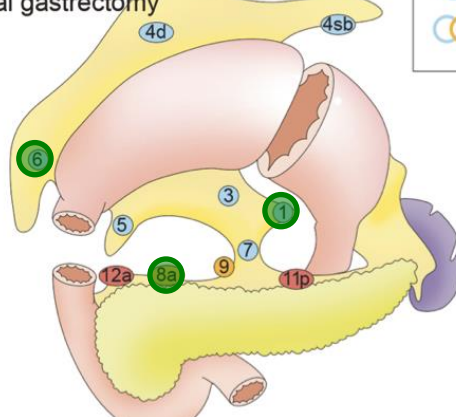- ● **Metastasis**

# of LN: 6

Copyright © 2004, Elsevier.

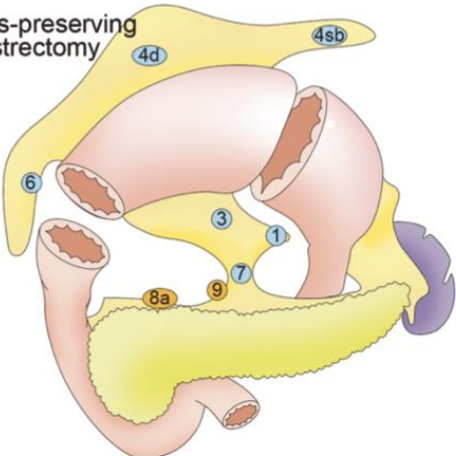Legend: ○ D1 ◐◐ D1+ ◑◑ D2

a Total gastrectomy
D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
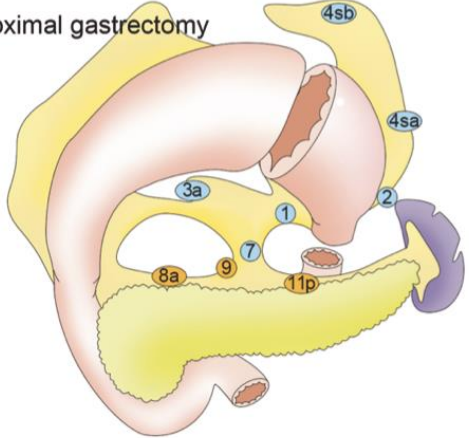
b Distal gastrectomy
D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy
D0: Lymphadenectomy less than D1
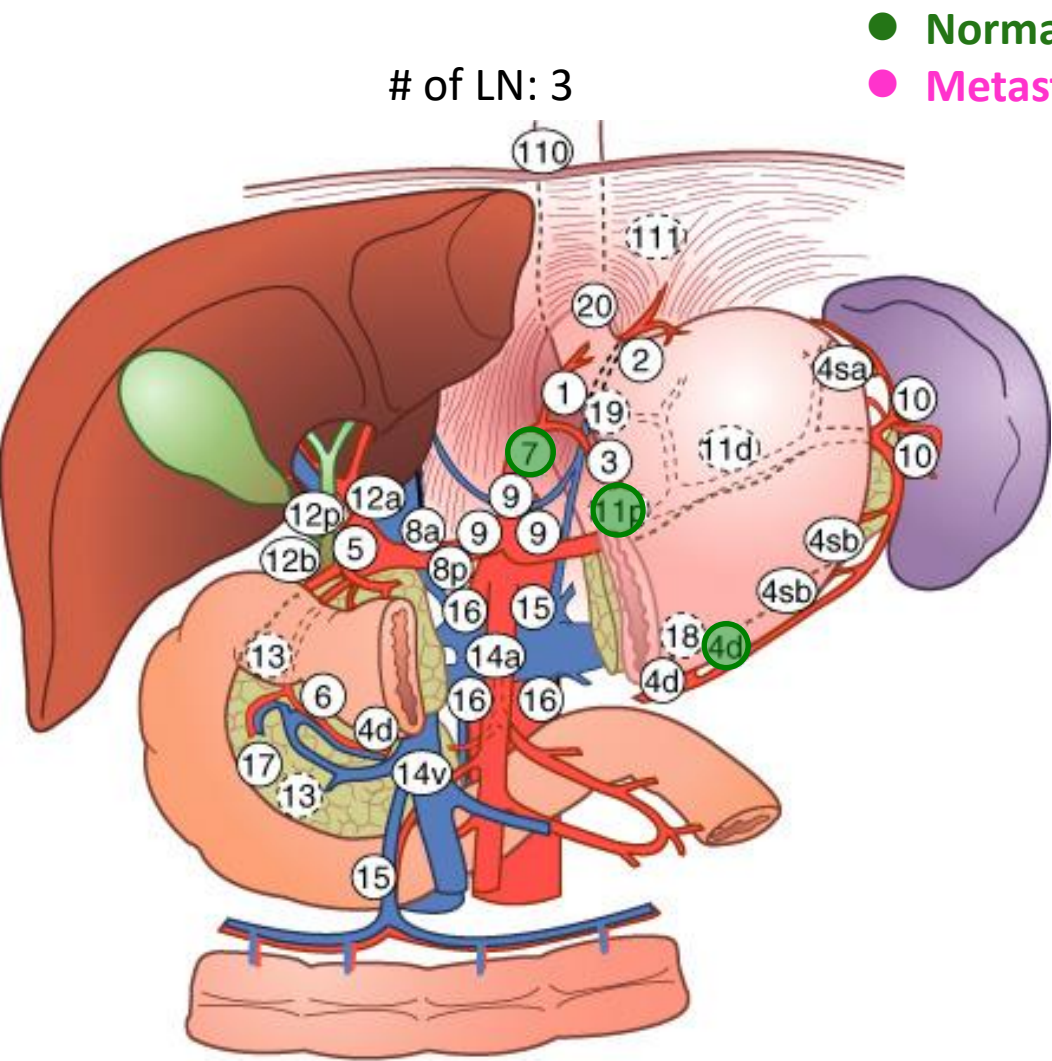D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy
D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110
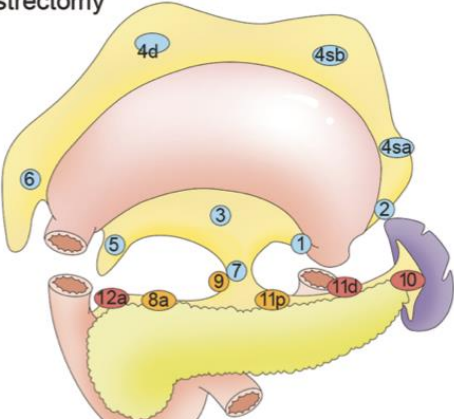
#IS48 (distal gastrectomy, T1N0M0, body, LC, absent)

Normal
Metastasis

# of LN: 8
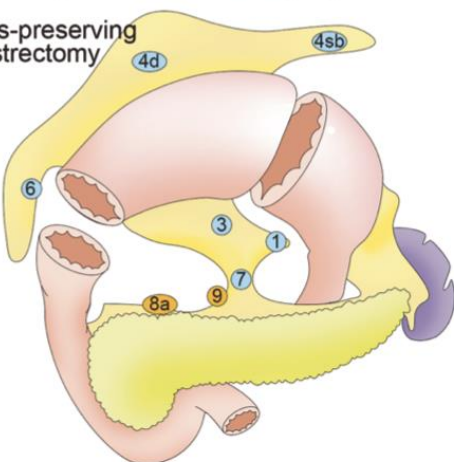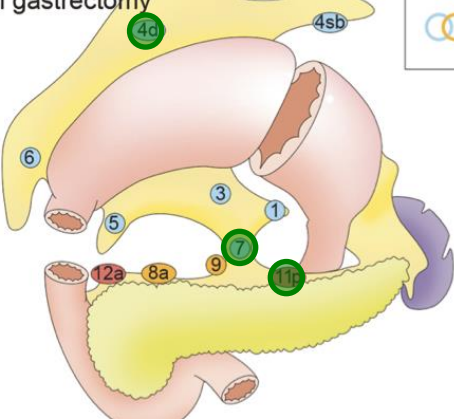
a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a
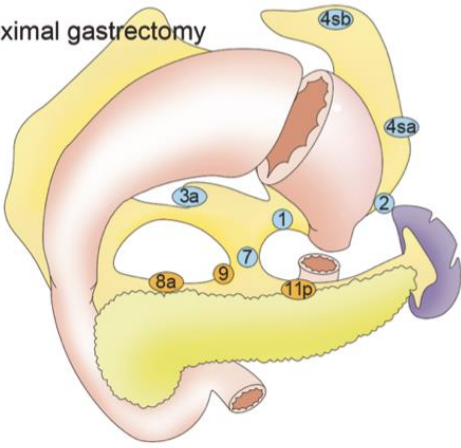
c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
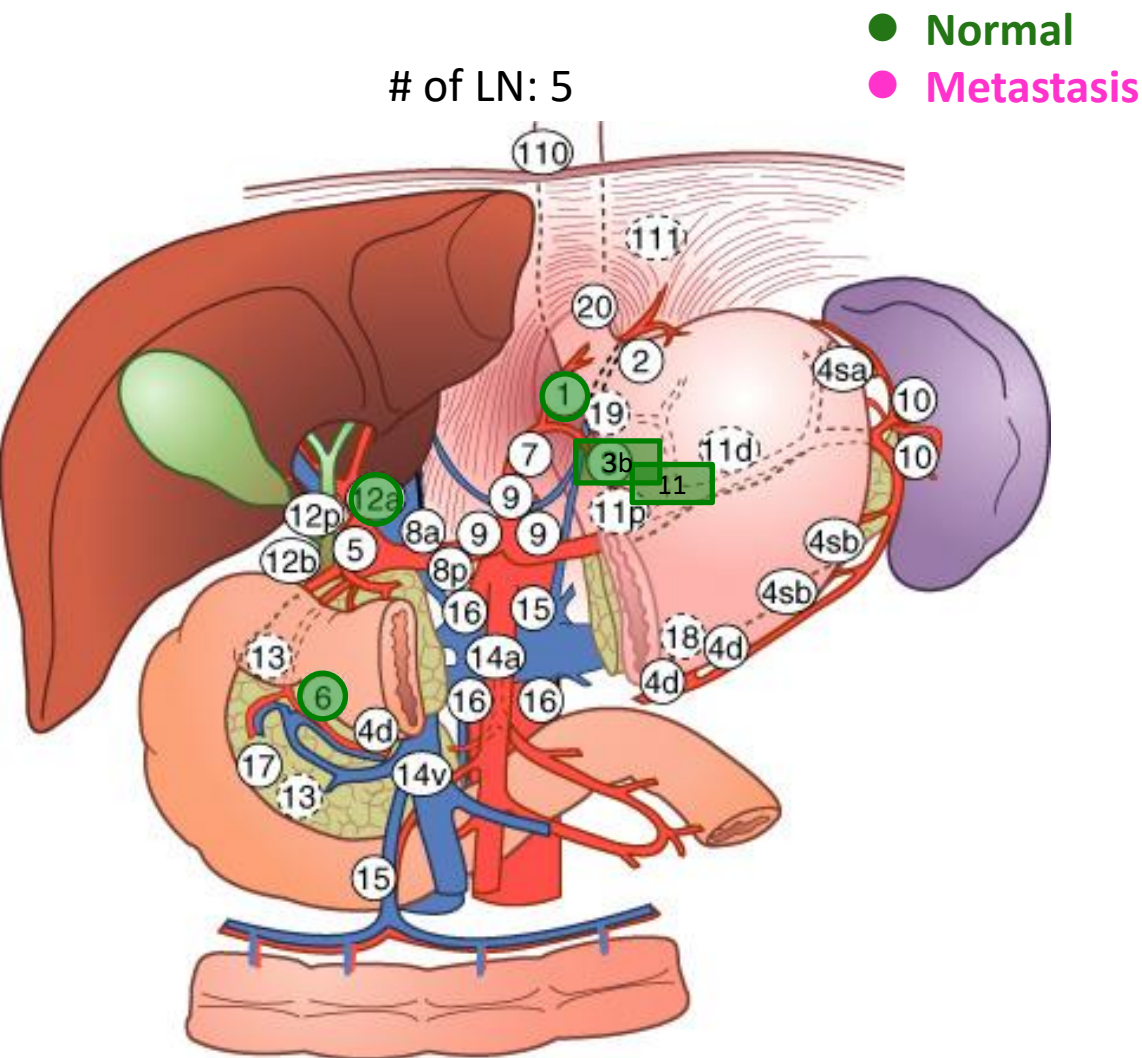D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
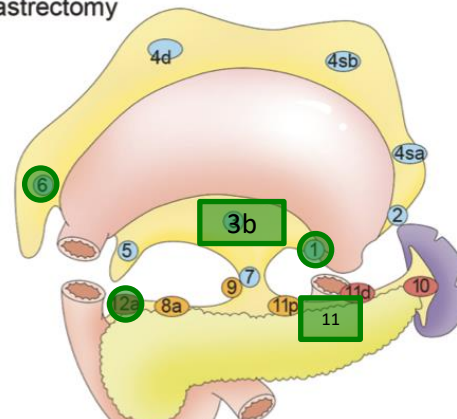*For tumors invading the esophagus,
D1+ includes No. 110

D1
D1+
D2

#IS49 (distal gastrectomy, T1N0M0, antrum, (LC, AW), absent)

# of LN: 3

● **Normal**
● **Metastasis**

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

Legend:
○ D1
○○ D1+
○○○ D2

#IS50 (distal gastrectomy, T1N0M0, body, LC, absent)

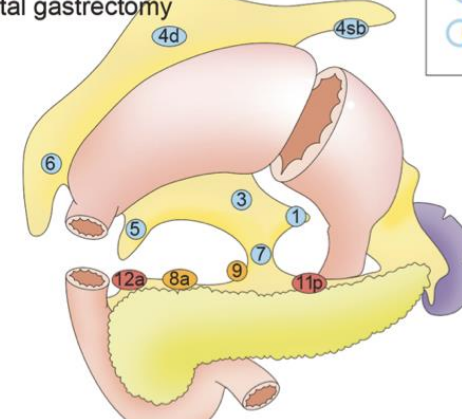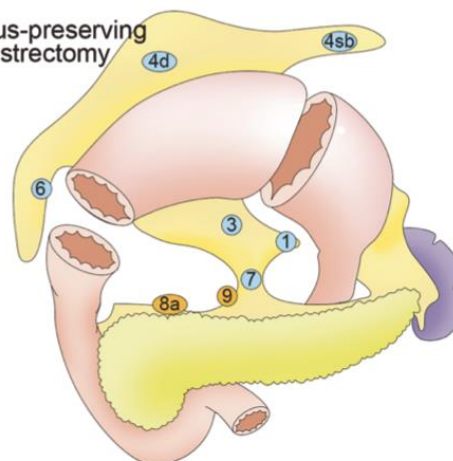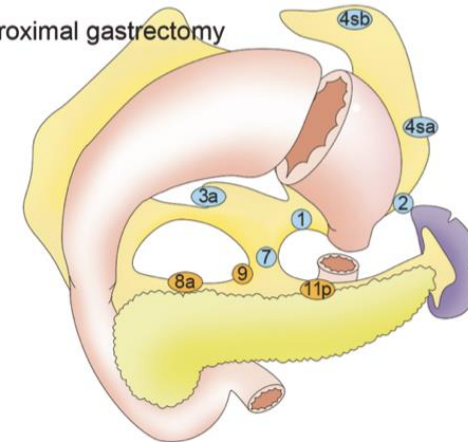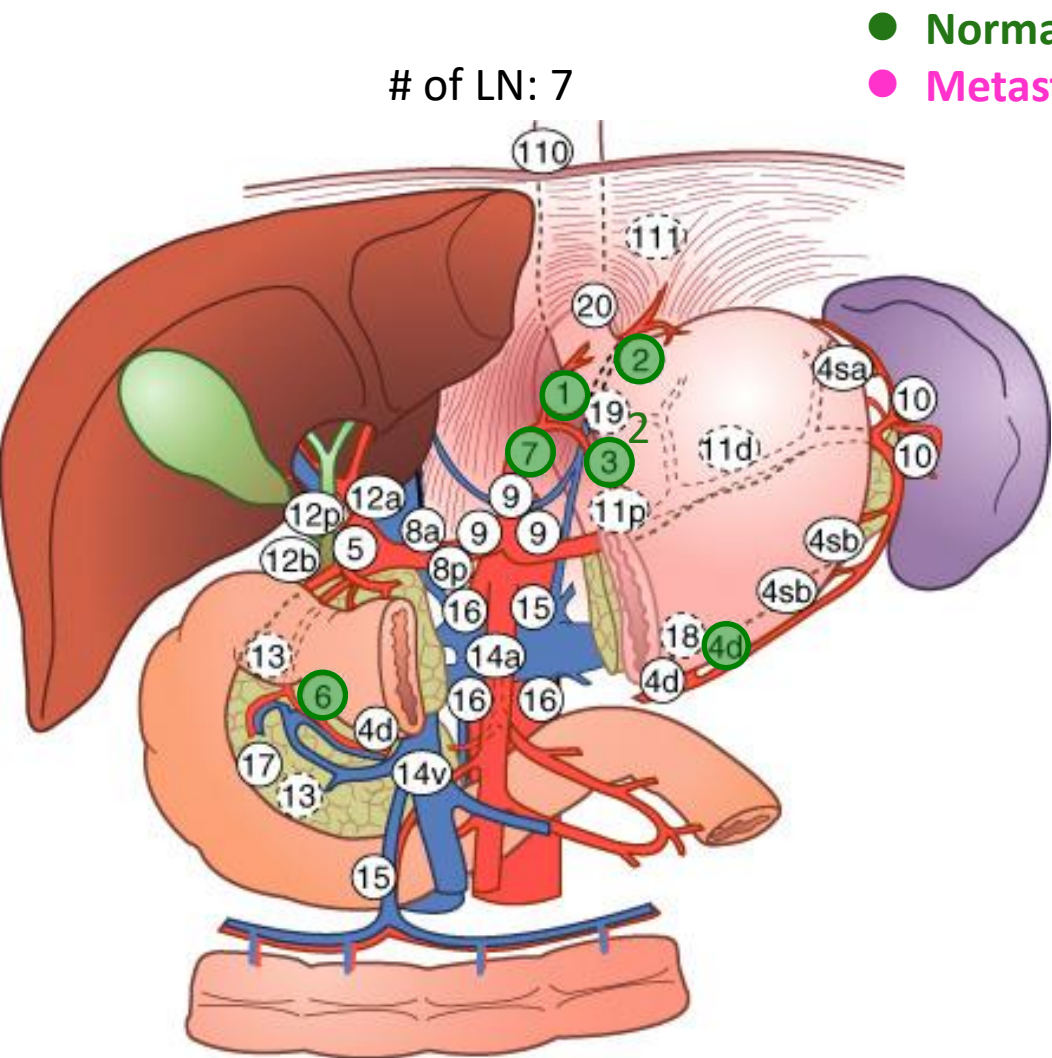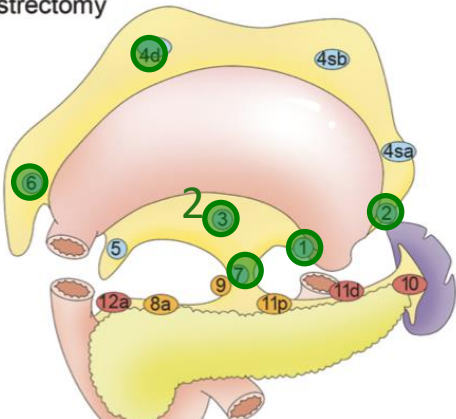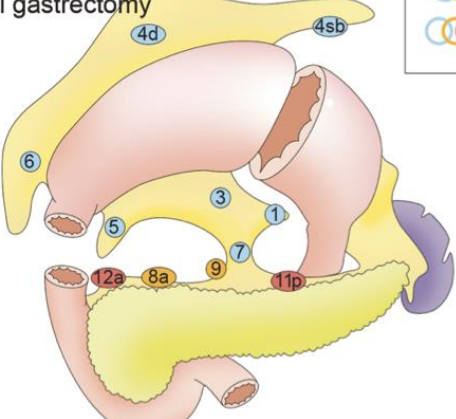**# of LN: 3**

● **Normal**
● **Metastasis**

Copyright © 2004, Elsevier.

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

○ D1
◎ D1+
◎◎ D2

#IS51 (total gastrectomy, T1N0M0, antrum, GC, present)

# of LN: 5

● **Normal**
● **Metastasis**

Legend: ○ D1, ○○ D1+, ○○○ D2

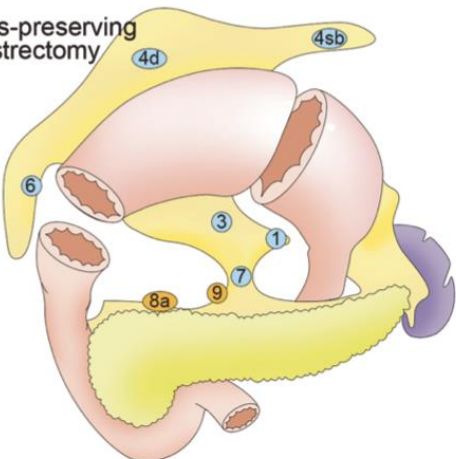Copyright © 2004, Elsevier.

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
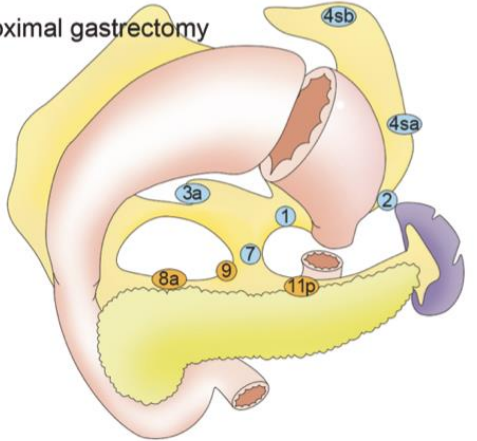
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9
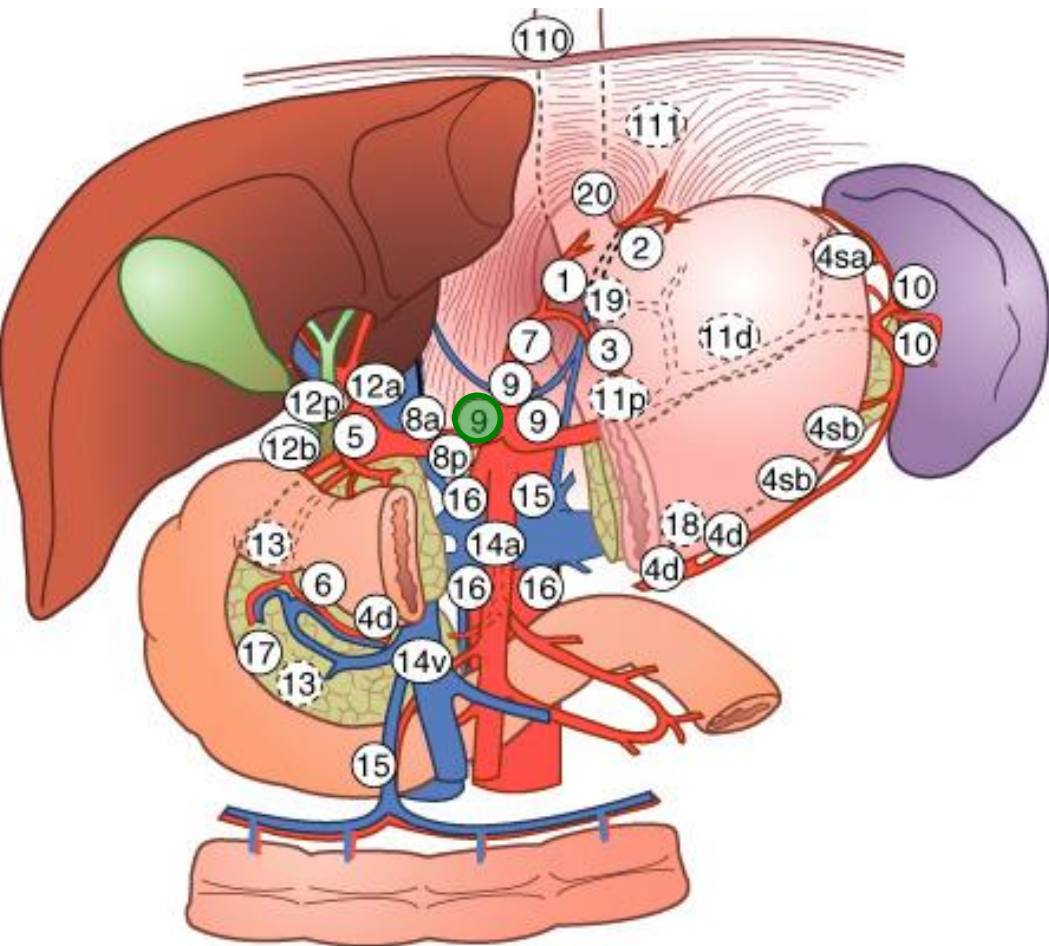
d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

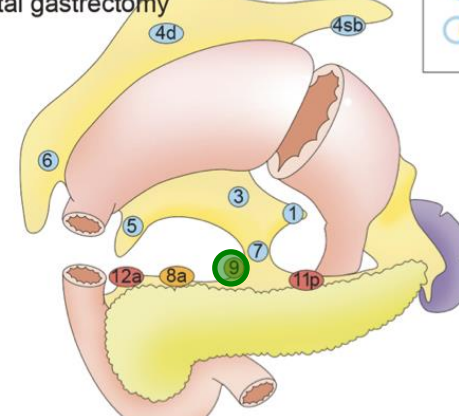# #IS53 (total gastrectomy, T1N0M0, body, PW, absent)

# of LN: 7

- **Normal**
- **Metastasis**
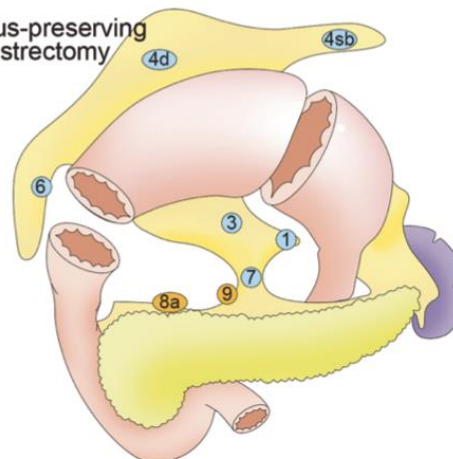
D1
D1+
D2

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
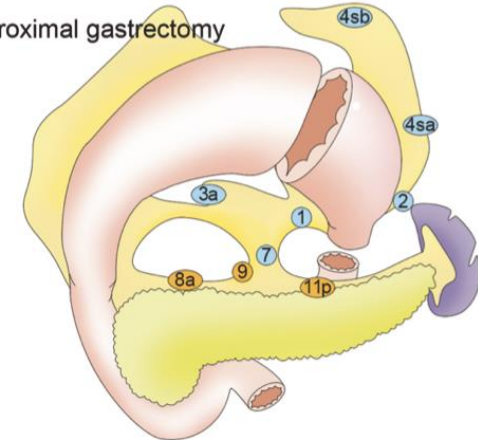
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
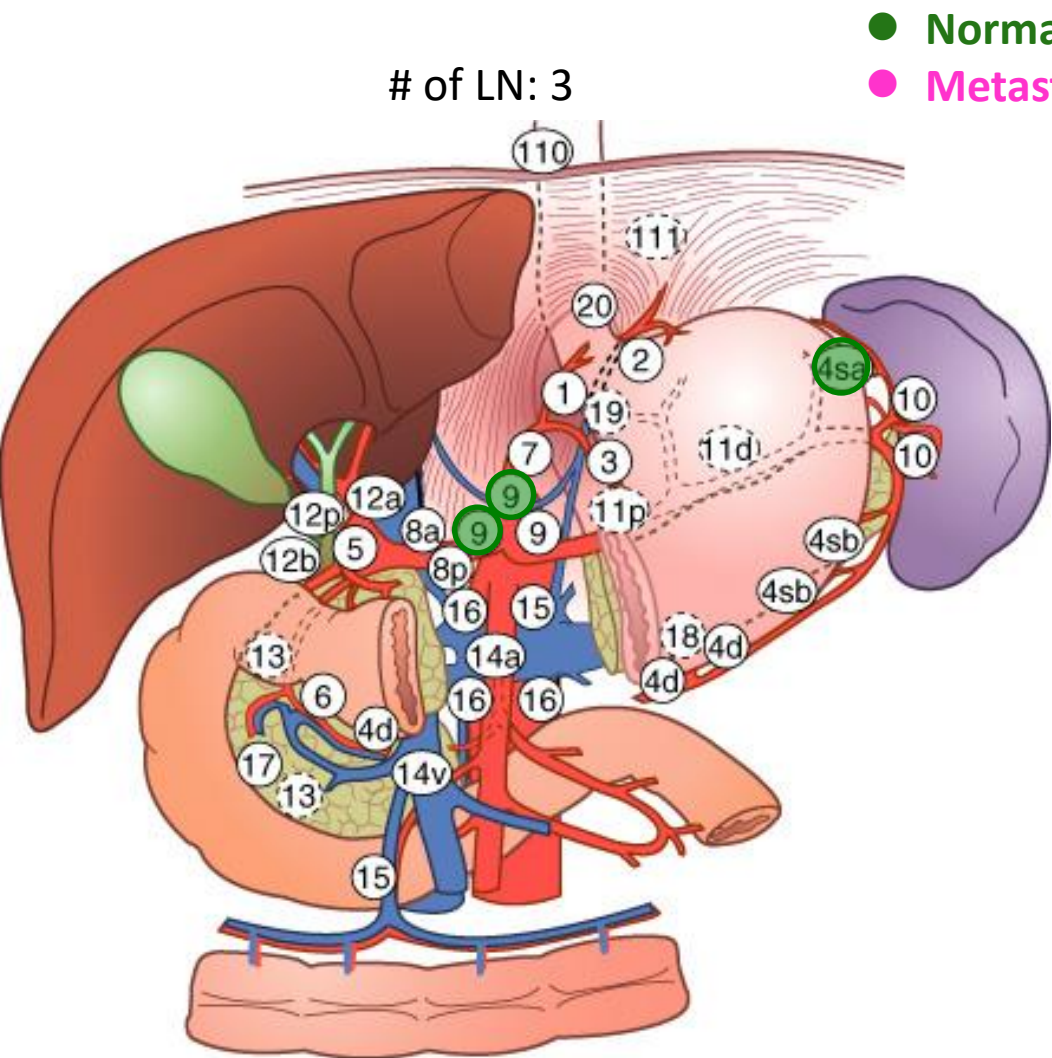D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
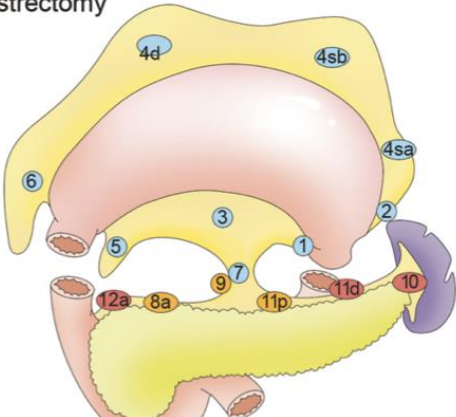D1+ includes No. 110

Copyright © 2004, Elsevier.

#IS54 (distal gastrectomy, T1N0M0, body, LC, absent)

of LN: 1

● **Normal**
● **Metastasis**
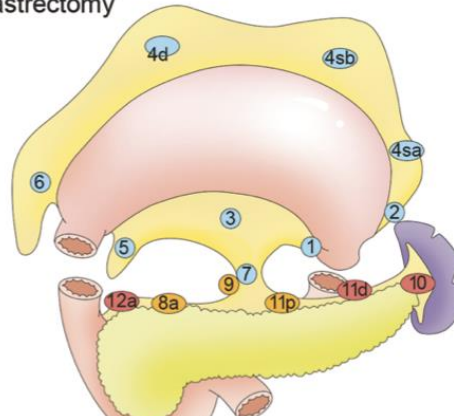
D1
D1+
D2

Copyright © 2004, Elsevier.

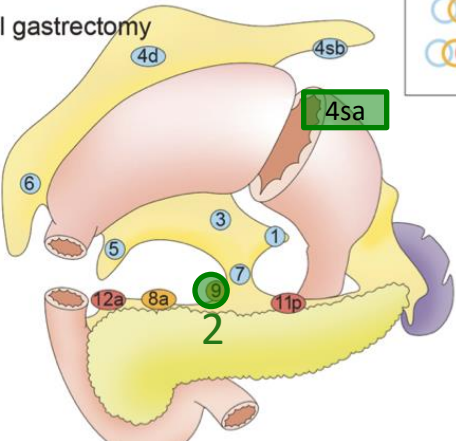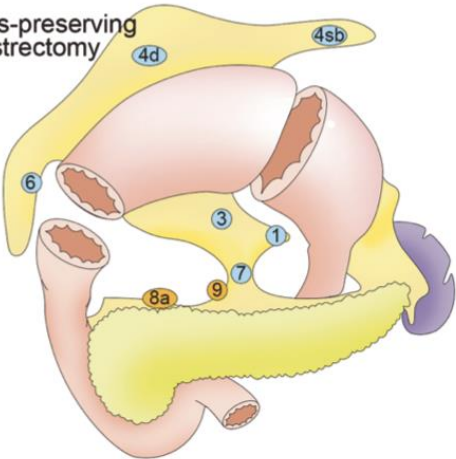**a** Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
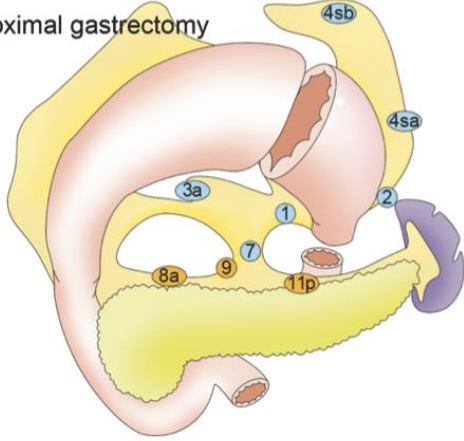
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
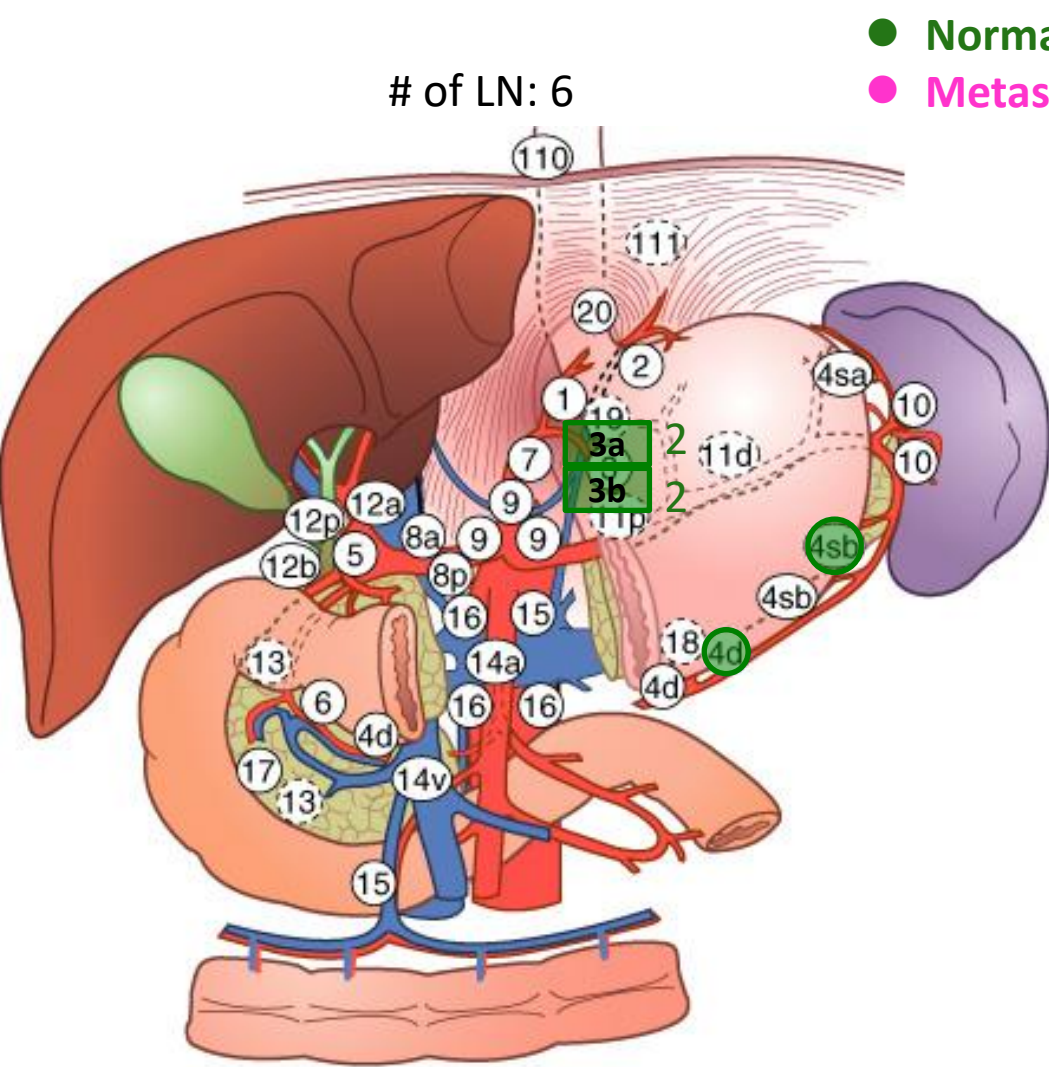D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
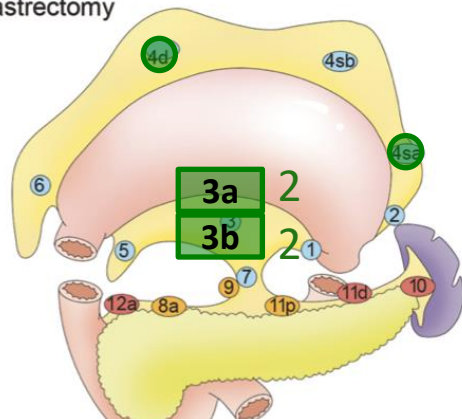D1+ includes No. 110

#IS55 (distal gastrectomy, T1bN0M0, antrum, GC, not identified)

# of LN: 3

● **Normal**
● **Metastasis**

Legend: D1, D1+, D2

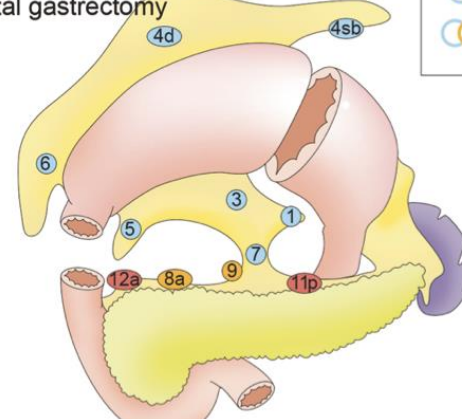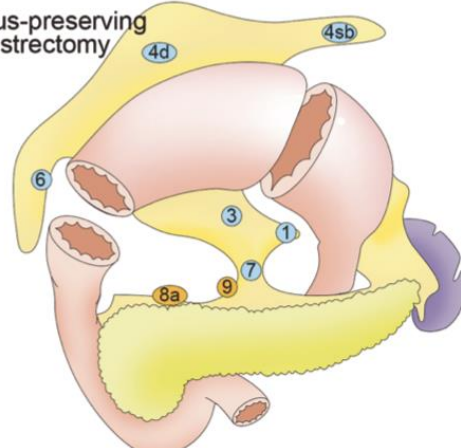**a** Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
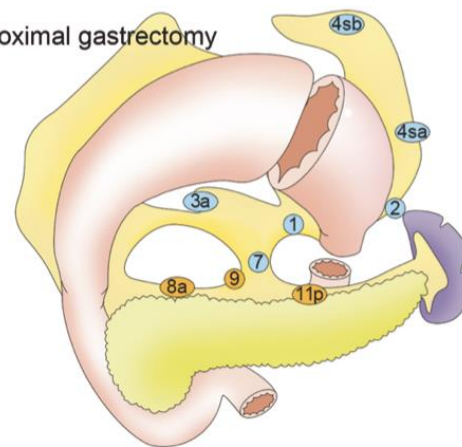
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
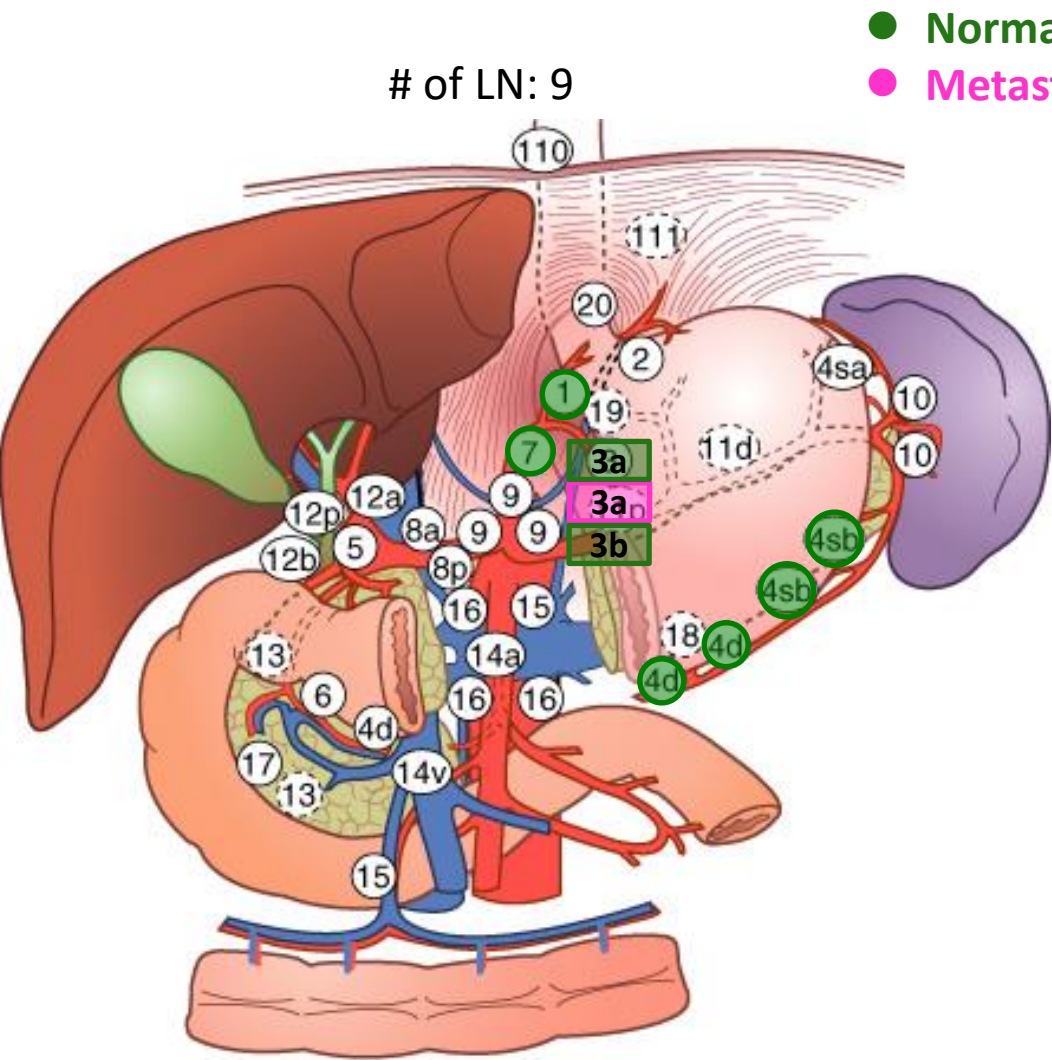D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
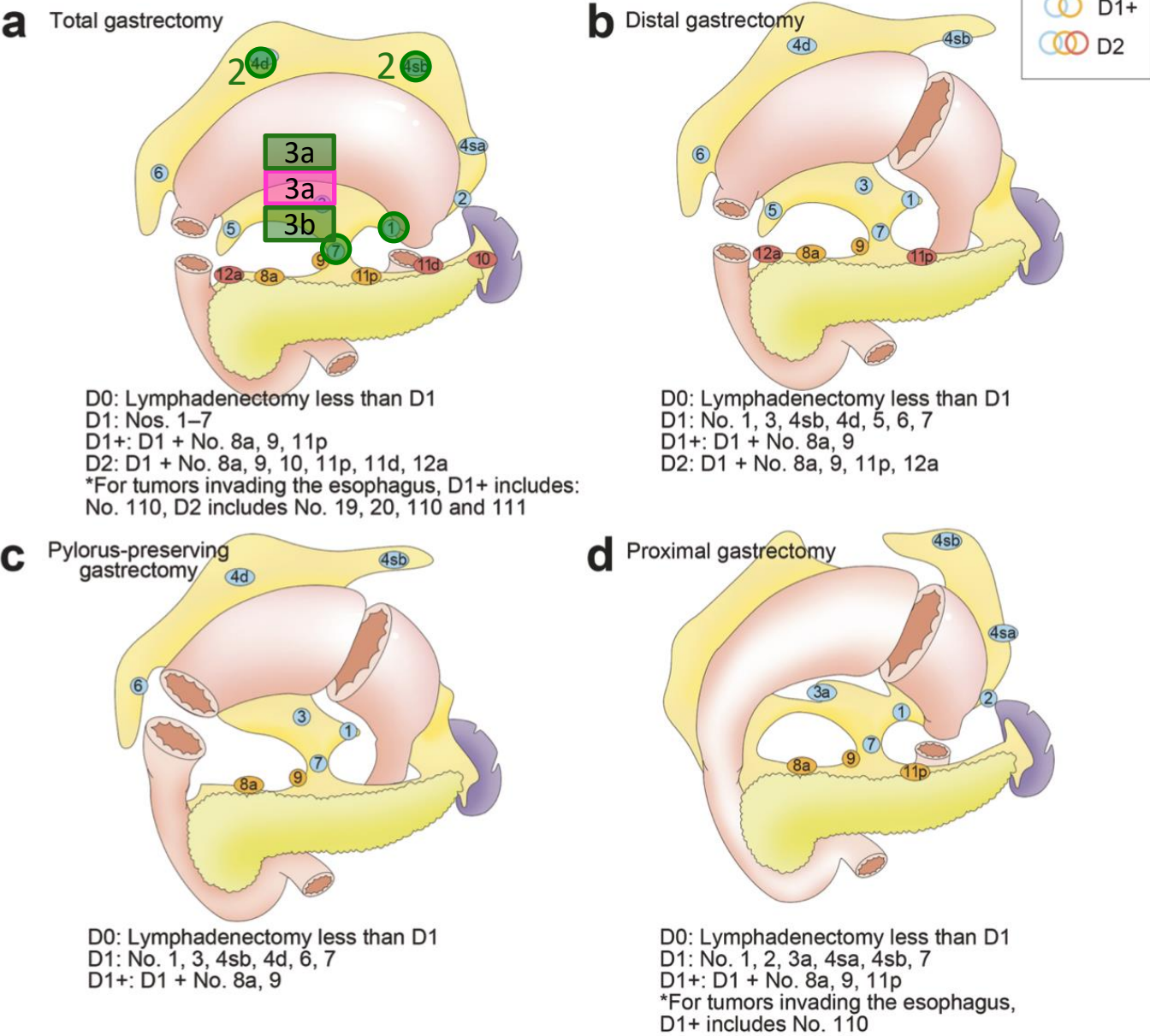*For tumors invading the esophagus,
D1+ includes No. 110

Copyright © 2004, Elsevier.

#IS56 (total gastrectomy, T3N1M0, antrum, LC, present)

# of LN: 6

● **Normal**
● **Metastasis**

D1
D1+
D2

a Total gastrectomy

3a 2
3b 2

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110
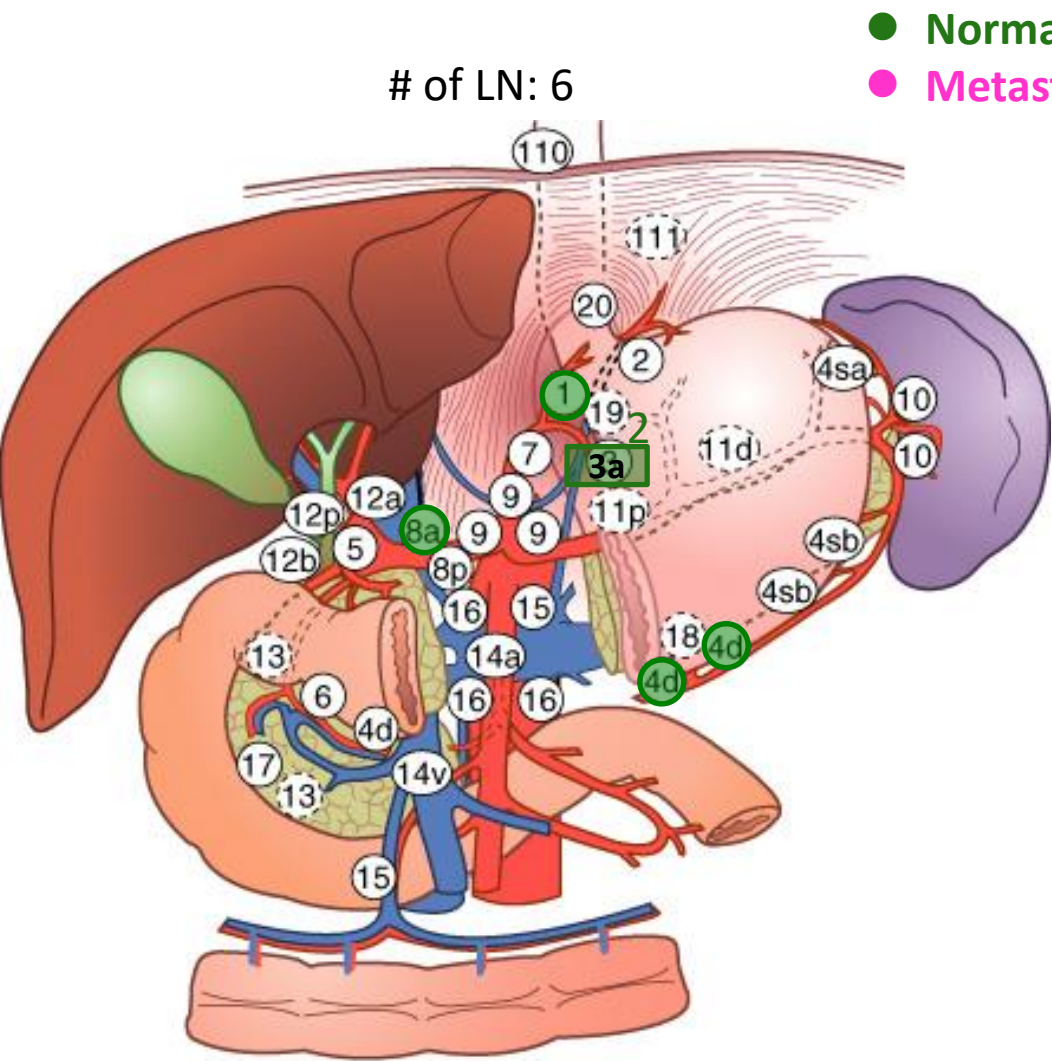
#IS57 (total gastrectomy, T3N3aM0, antrum, GC, present)

of LN: 9

● **Normal**
● **Metastasis**

Legend: D1, D1+, D2
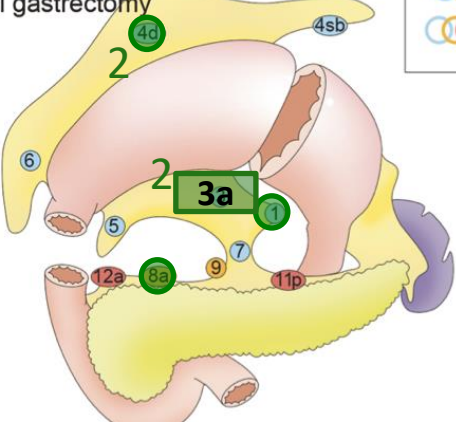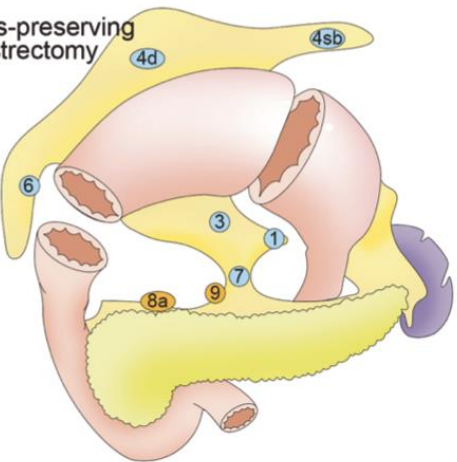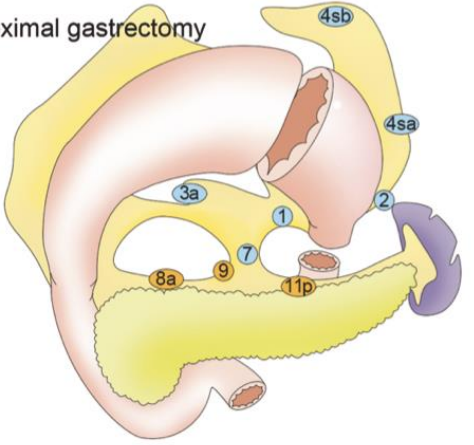
a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

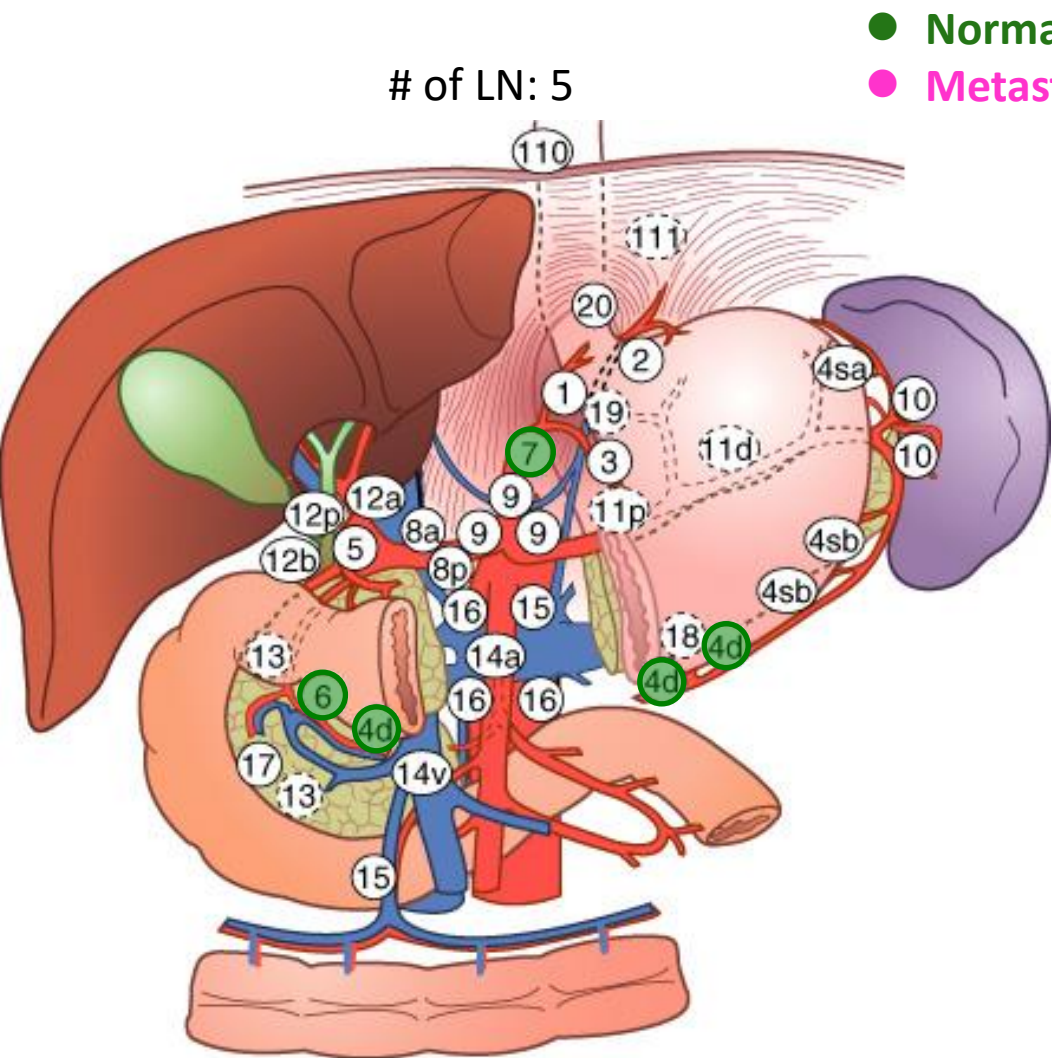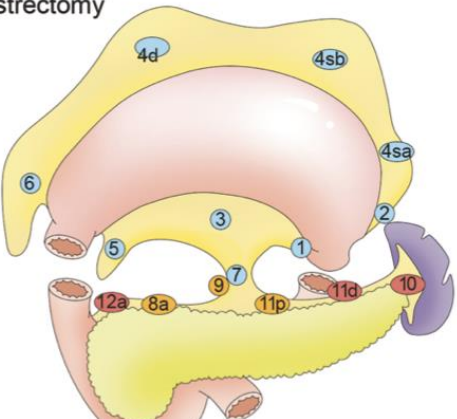**c** Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

Copyright © 2004, Elsevier.

#IS58 (distal gastrectomy, T1bN0M0, body, PW, absent)

# of LN: 6

● **Normal**
● **Metastasis**

Legend:
- ○ D1
- ○○ D1+
- ○○○ D2
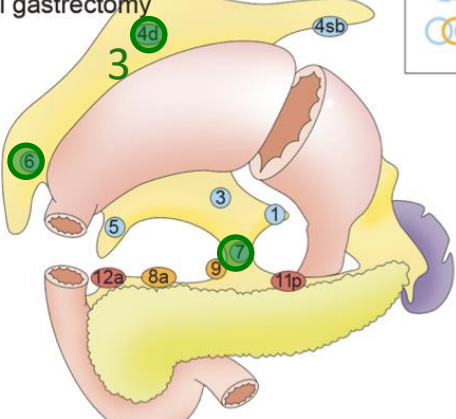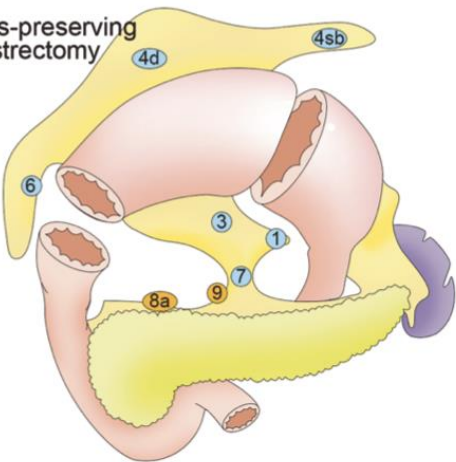
a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
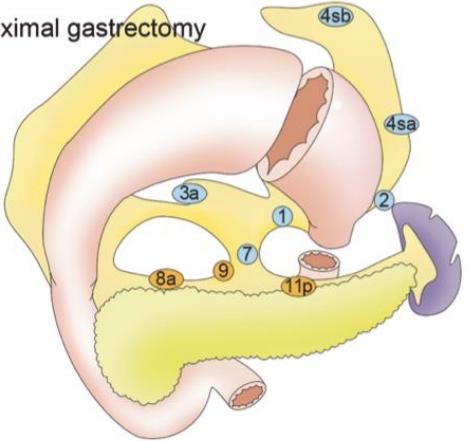
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
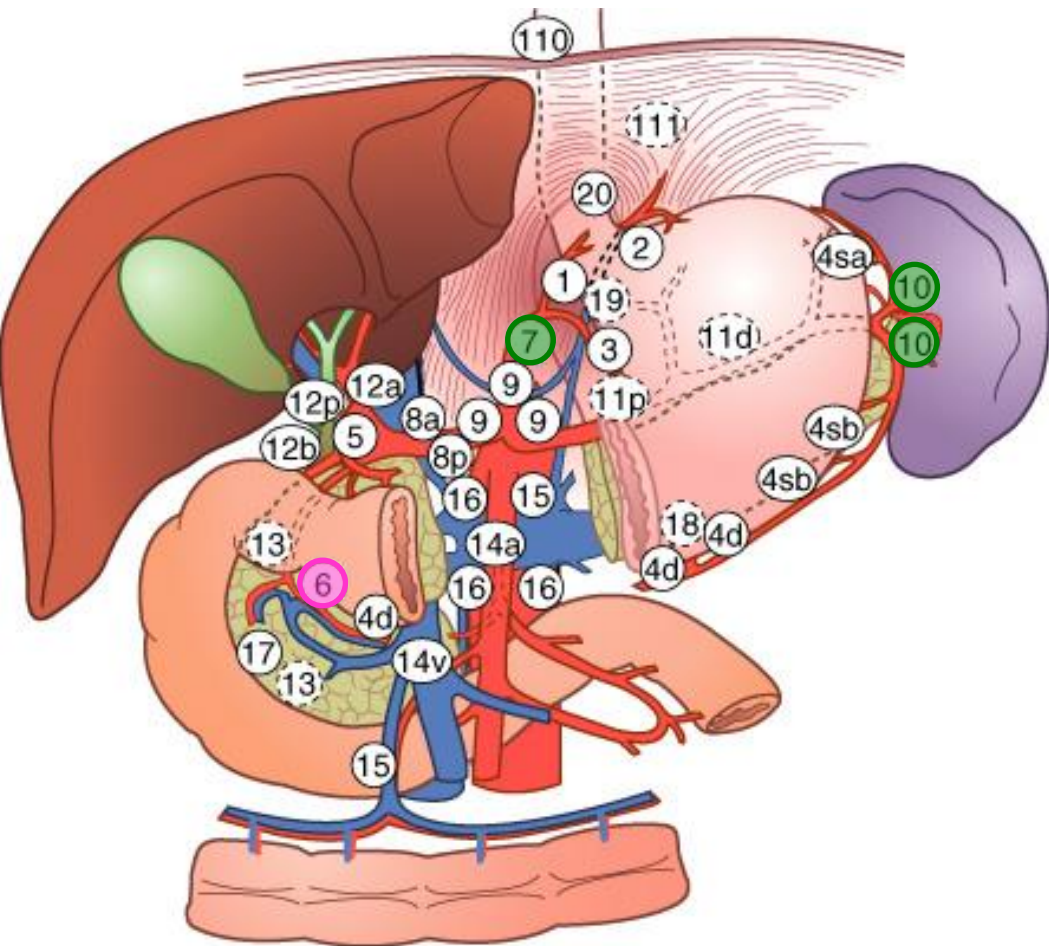D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

Copyright © 2004, Elsevier.

#IS59 (distal gastrectomy, T3N2M0, antrum, LC, present)

● **Normal**
● **Metastasis**

# of LN: 5

#IS60 (distal gastrectomy, T4N3M0, antrum, (GC, PW), present)

# of LN: 4

● **Normal**
● **Metastasis**

Legend:
- ○ D1
- ○○ D1+
- ○○○ D2
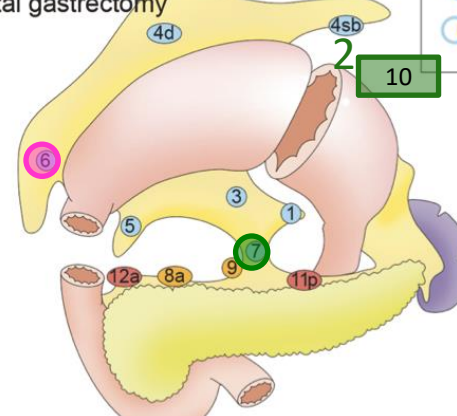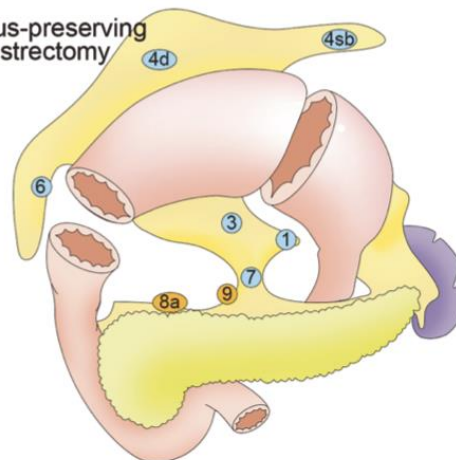
a Total gastrectomy
D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
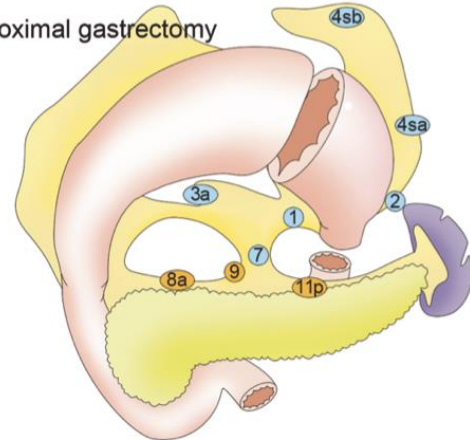No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy
D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a
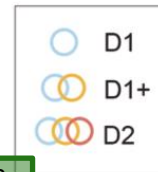
c Pylorus-preserving gastrectomy
D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
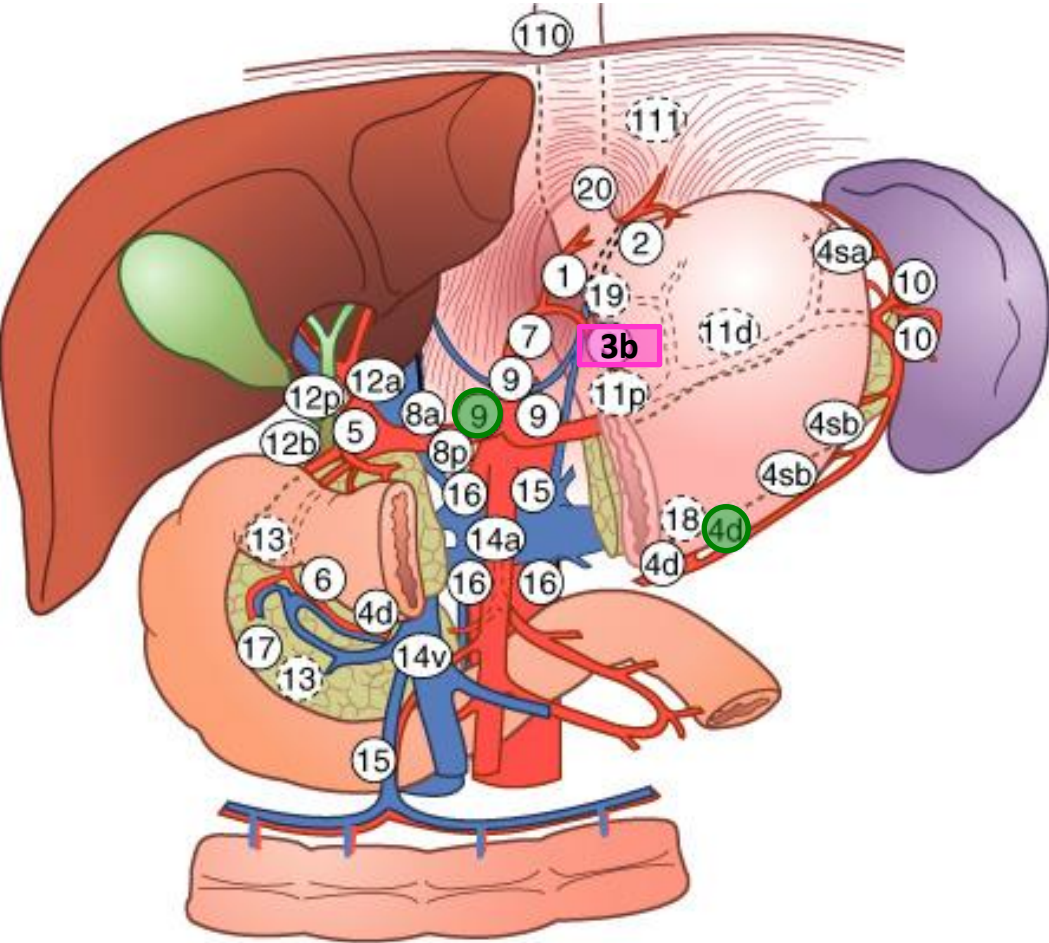D1+: D1 + No. 8a, 9

d Proximal gastrectomy
D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

Copyright © 2004, Elsevier.

#IS61 (total gastrectomy, T3N1M0, body, LC, present)

# of LN: 3

● **Normal**
● **Metastasis**

Legend: D1, D1+, D2
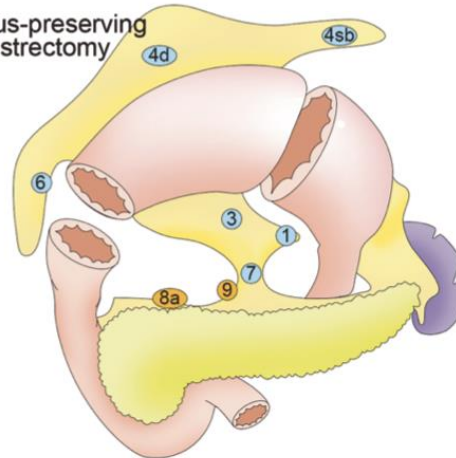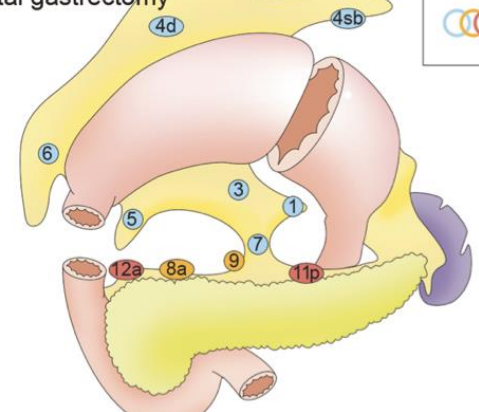
a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

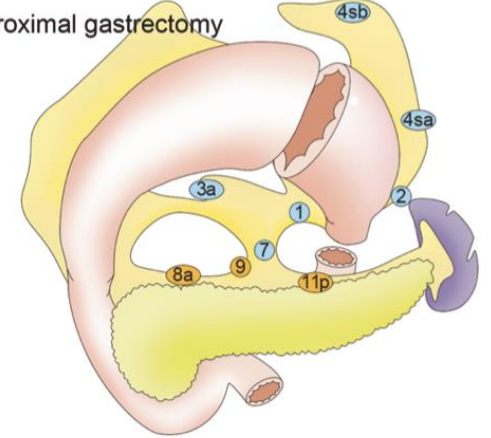## c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
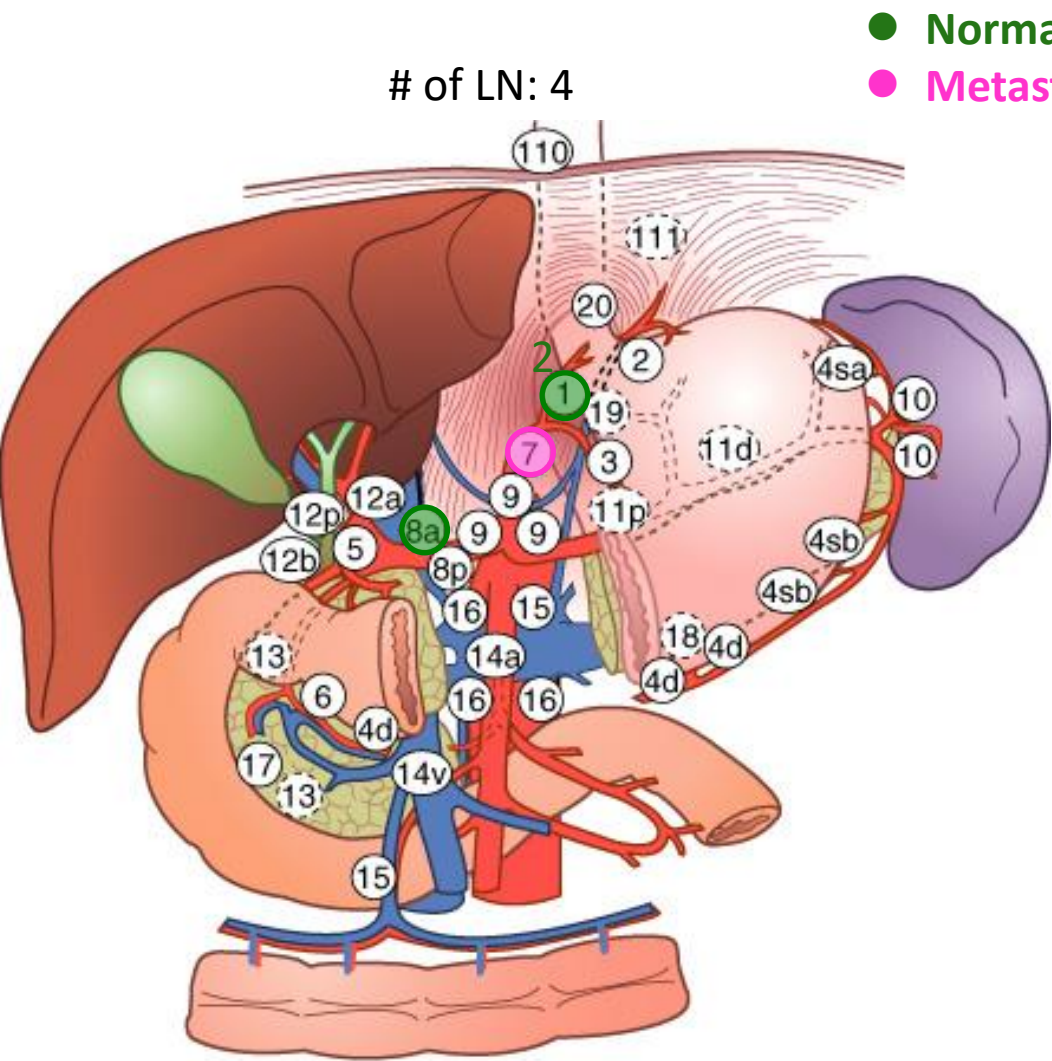D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
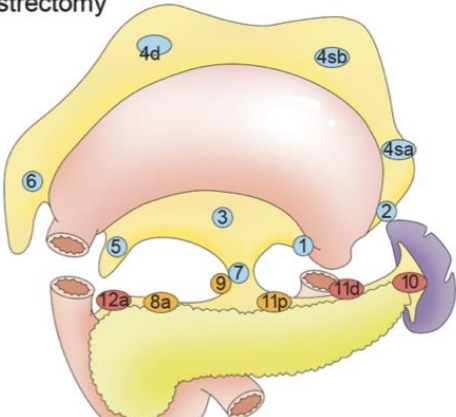*For tumors invading the esophagus,
D1+ includes No. 110

Copyright © 2004, Elsevier.

#IS62 (distal gastrectomy, T4N3M0, body, LC, present)

Normal
Metastasis

# of LN: 4

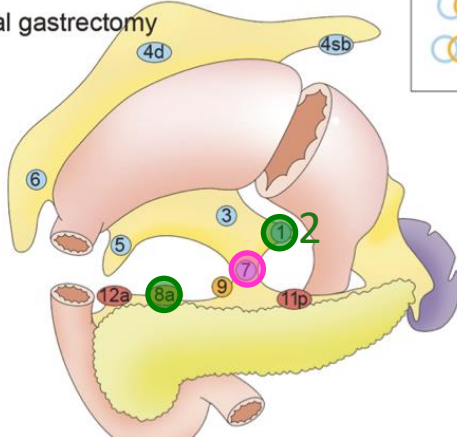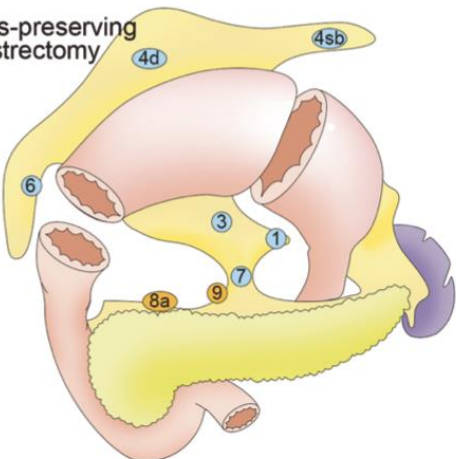**a** Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
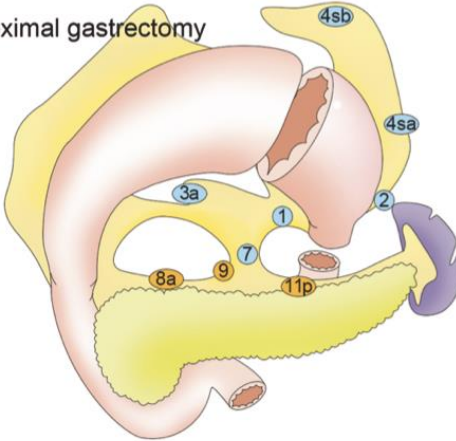No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
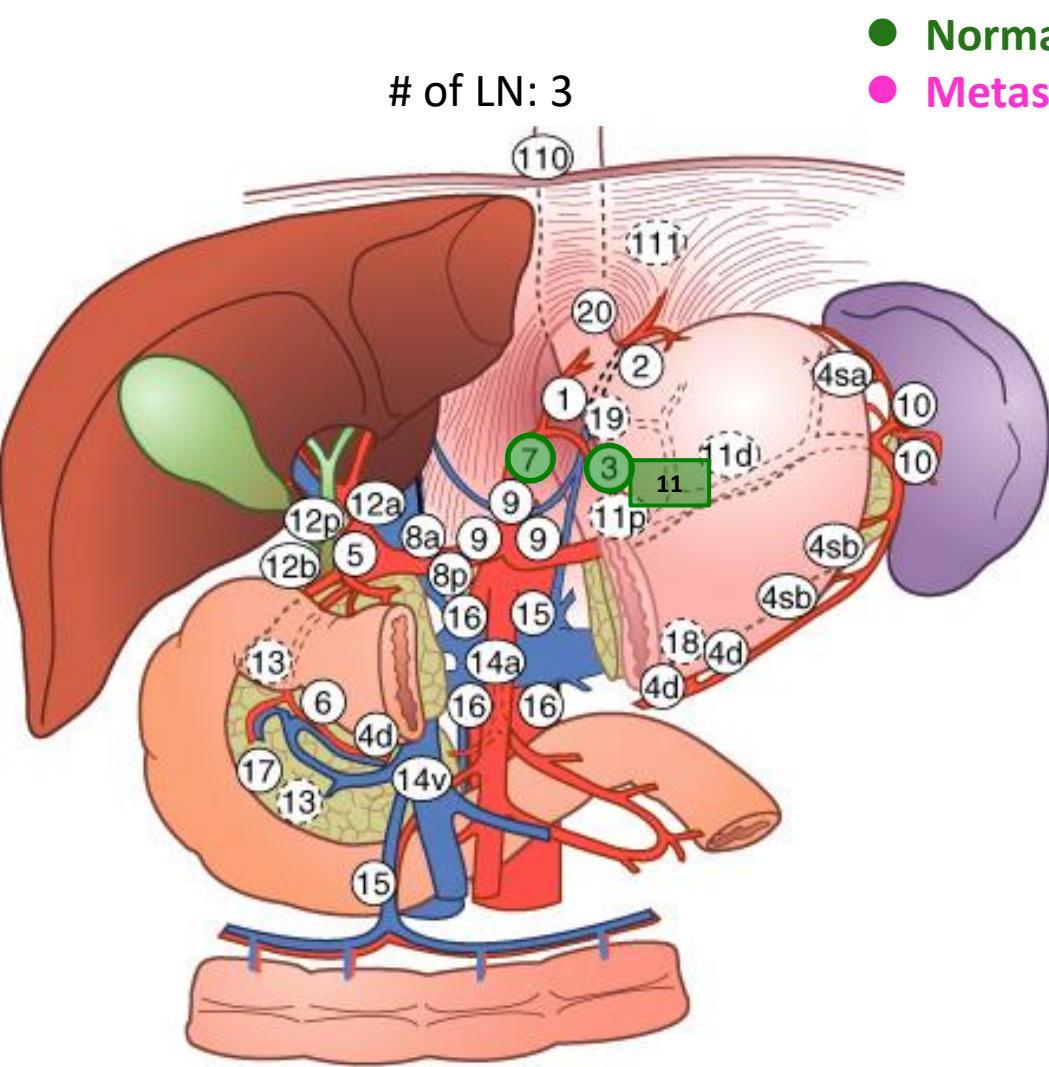D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

D1
D1+
D2

#IS63 (distal gastrectomy, T1N0N0, body, LC, not identified)

# of LN: 3

- **Normal** (green)
- **Metastasis** (pink)

Legend: D1, D1+, D2

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a
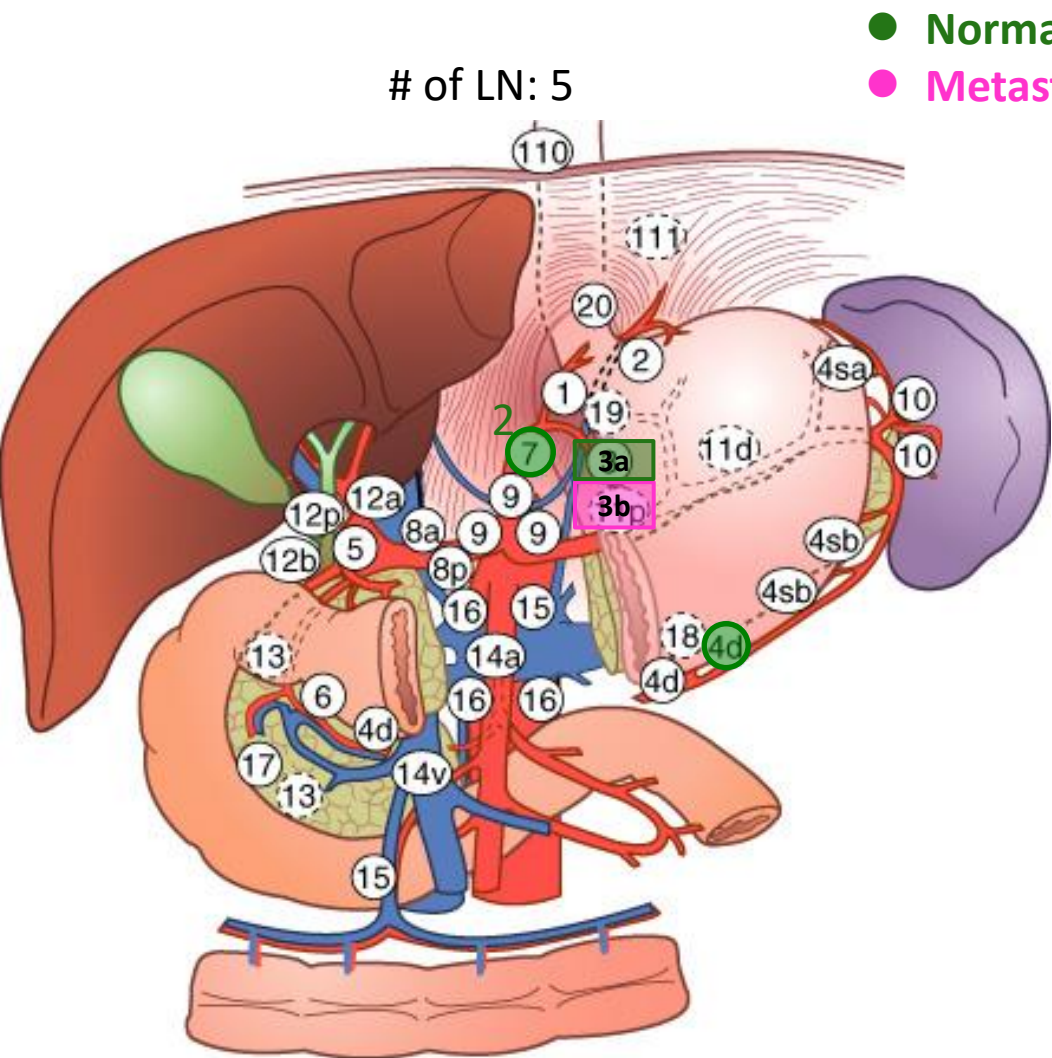
c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

Copyright © 2004, Elsevier.
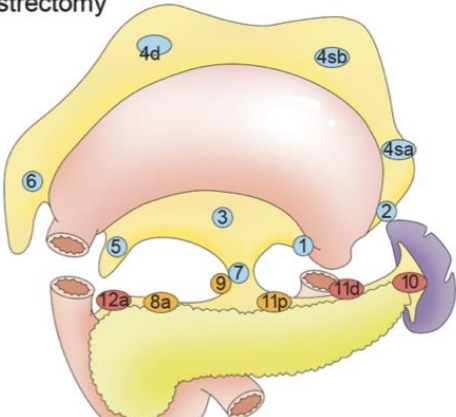
#IS64 (distal gastrectomy, T2N2M0, body, LC, present)

Normal (green dot)
Metastasis (pink dot)

# of LN: 5

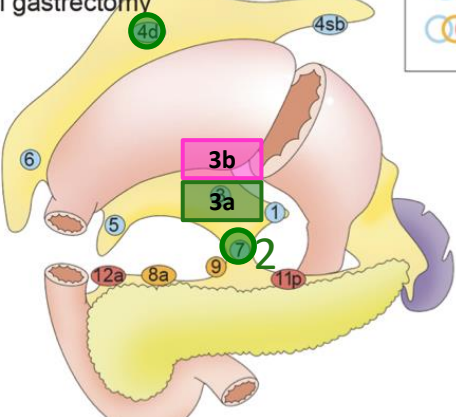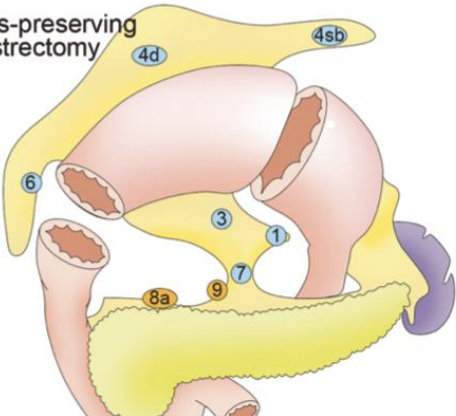**a** Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
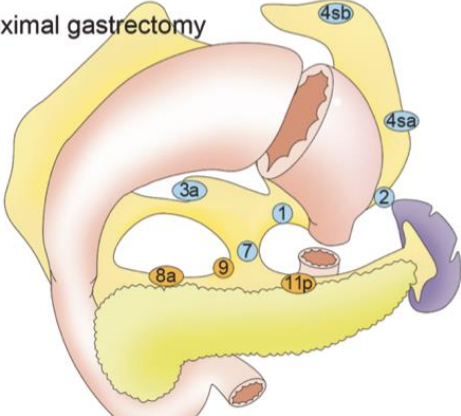
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
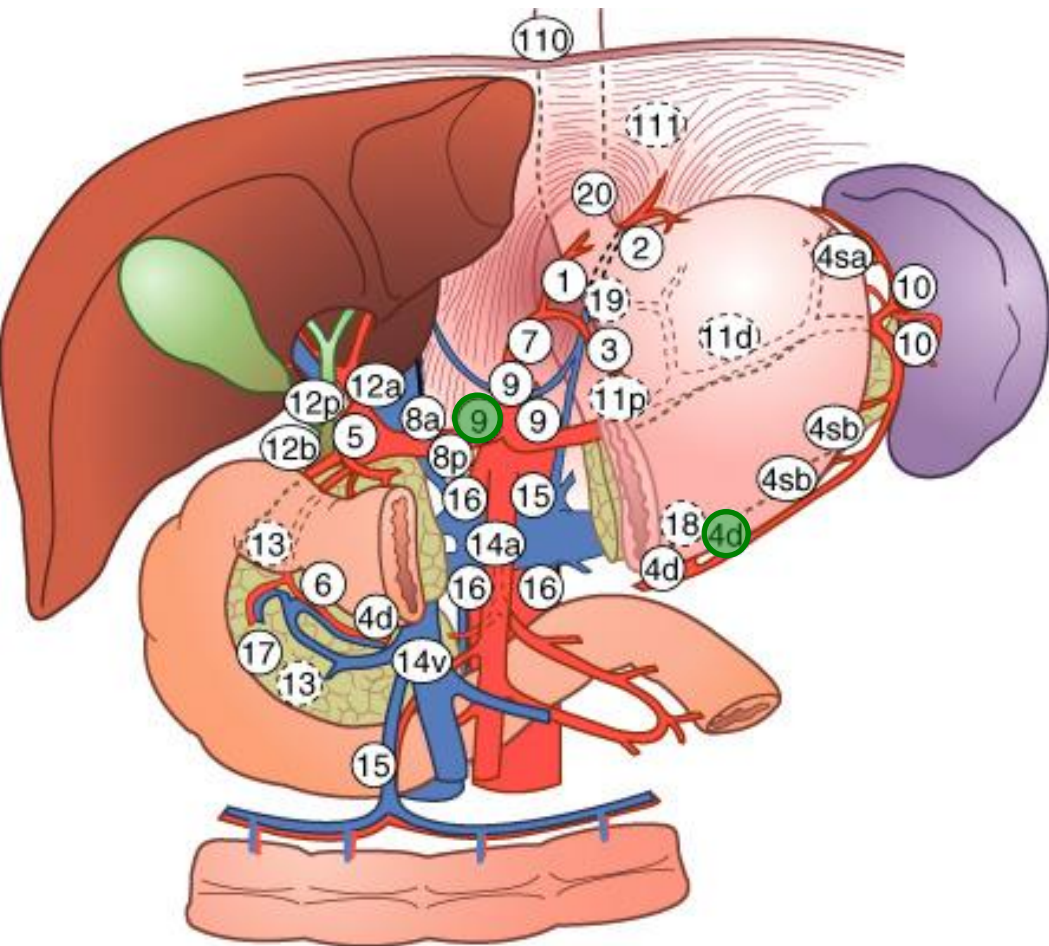D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

Legend: D1, D1+, D2

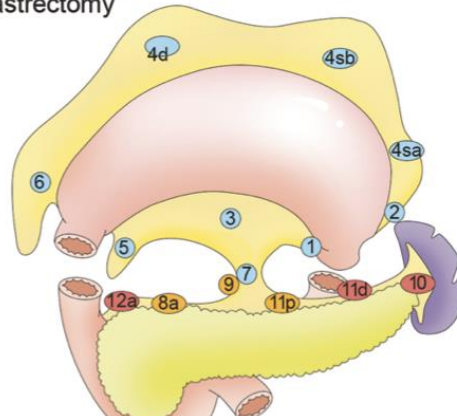# #IS65 (distal gastrectomy, T2N1M0, antrum, LC, present)
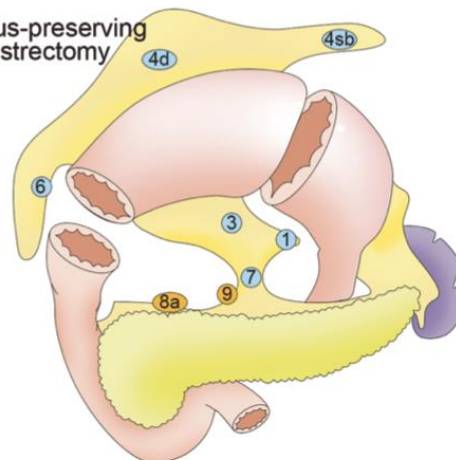

# of LN: 2

● **Normal**
● **Metastasis**

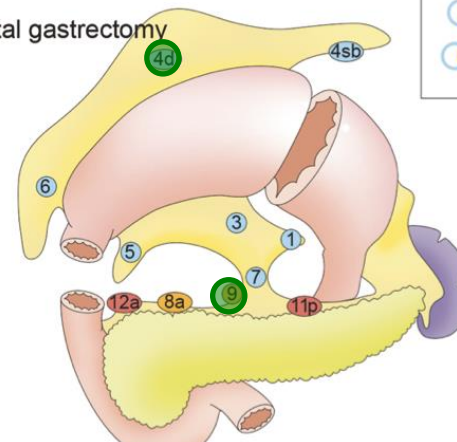Copyright © 2004, Elsevier.

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

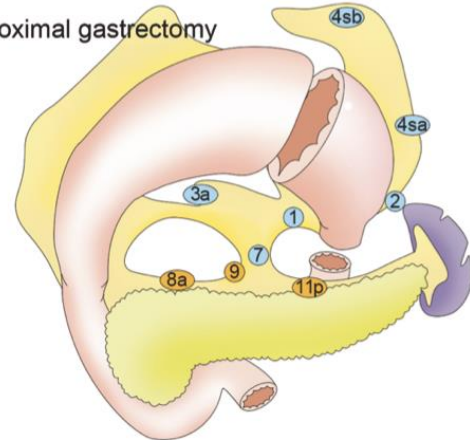c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
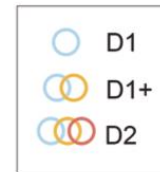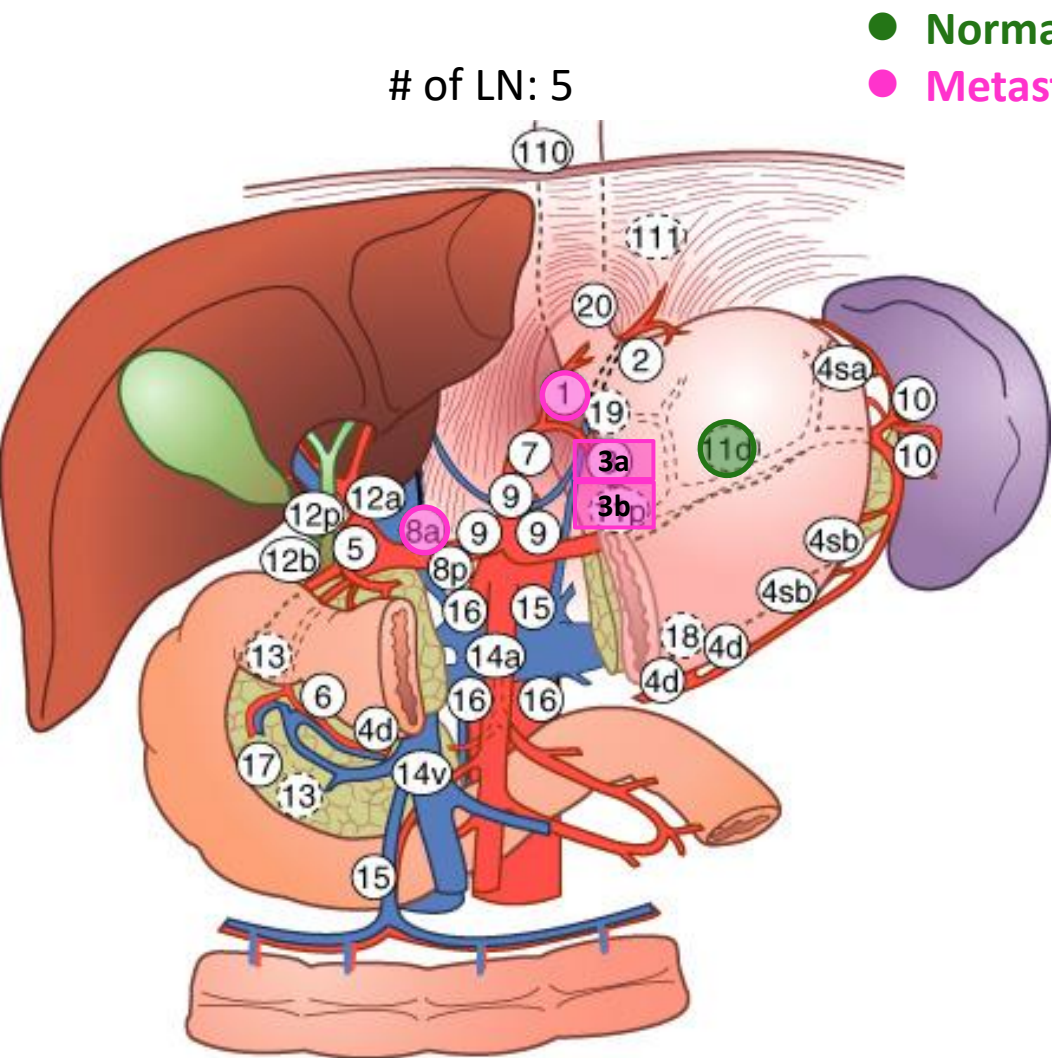D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

D1
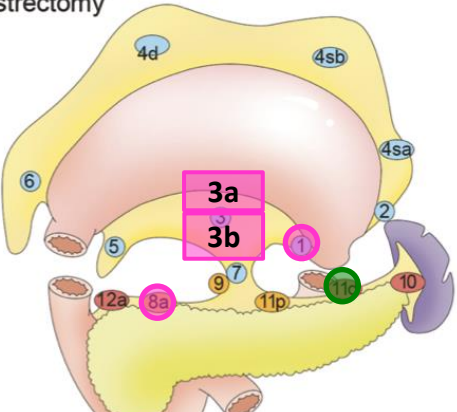D1+
D2

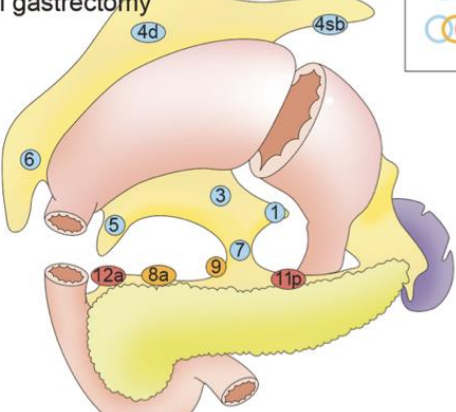# #IS66 (total gastrectomy, T3N3M0, cardia, LC, present)

Normal
Metastasis

# of LN: 5

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

D1
D1+
D2

#IS67 (distal gastrectomy, T3N1M0, body, PW, absent)

# of LN: 3

● **Normal**
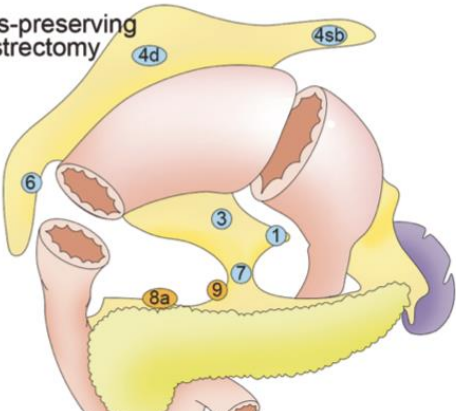● **Metastasis**

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
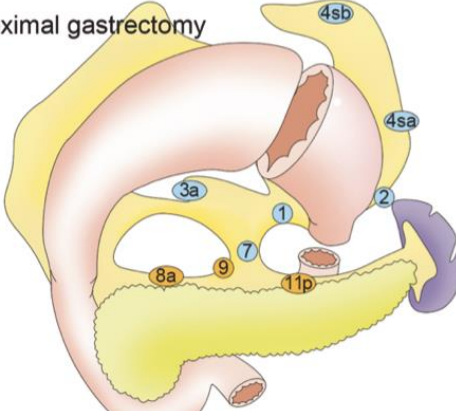No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
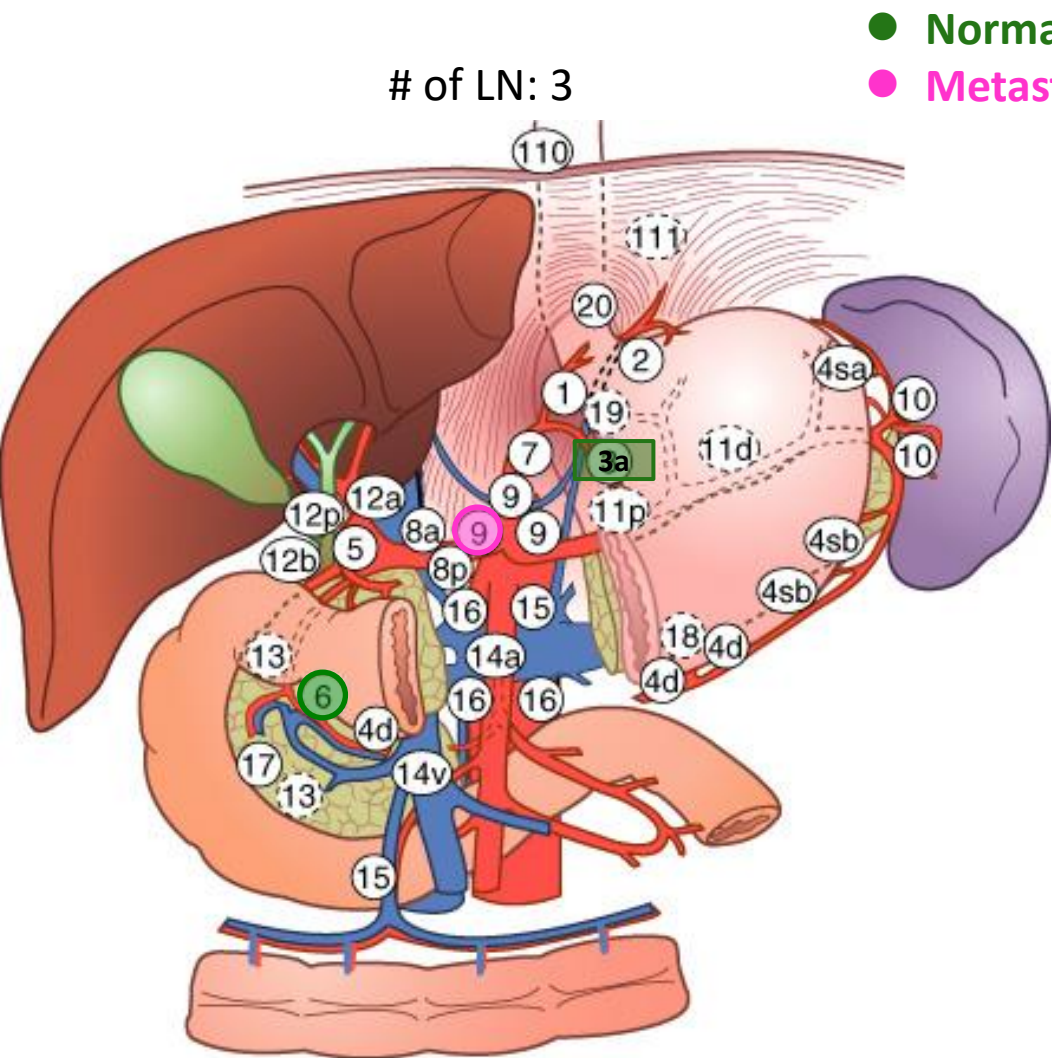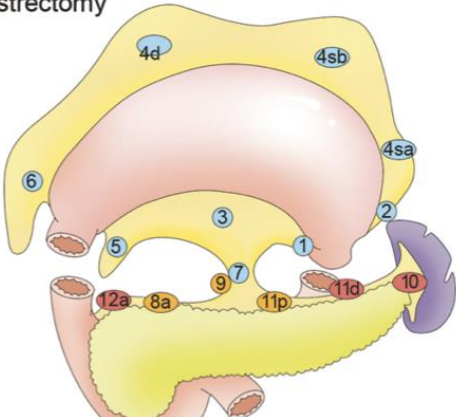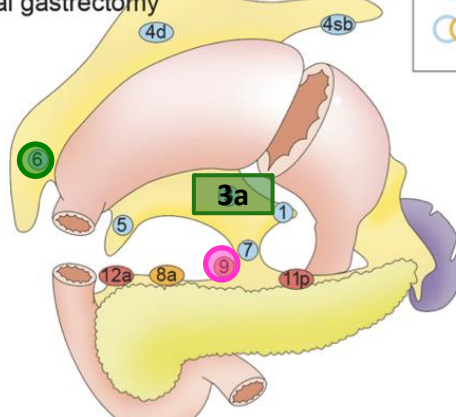D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

D1
D1+
D2

#IS68 (distal gastrectomy, T1N0M0, body, LC, not identified)

● Normal
● Metastasis

# of LN: 2

Copyright © 2004, Elsevier.

Legend: ○ D1 ⟨⟩ D1+ ⟨⟩⟩ D2
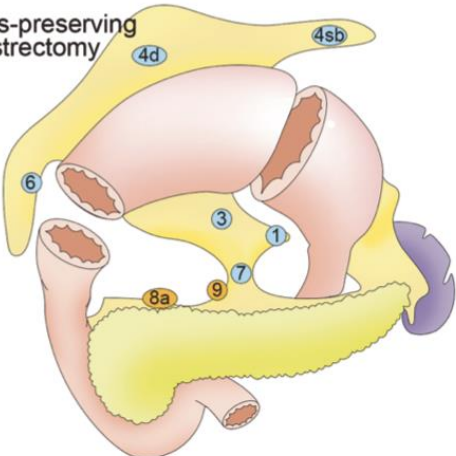
a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
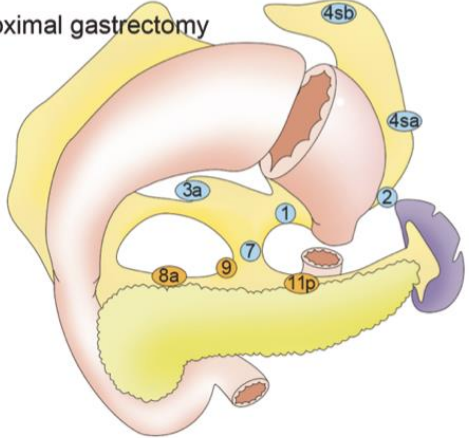
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
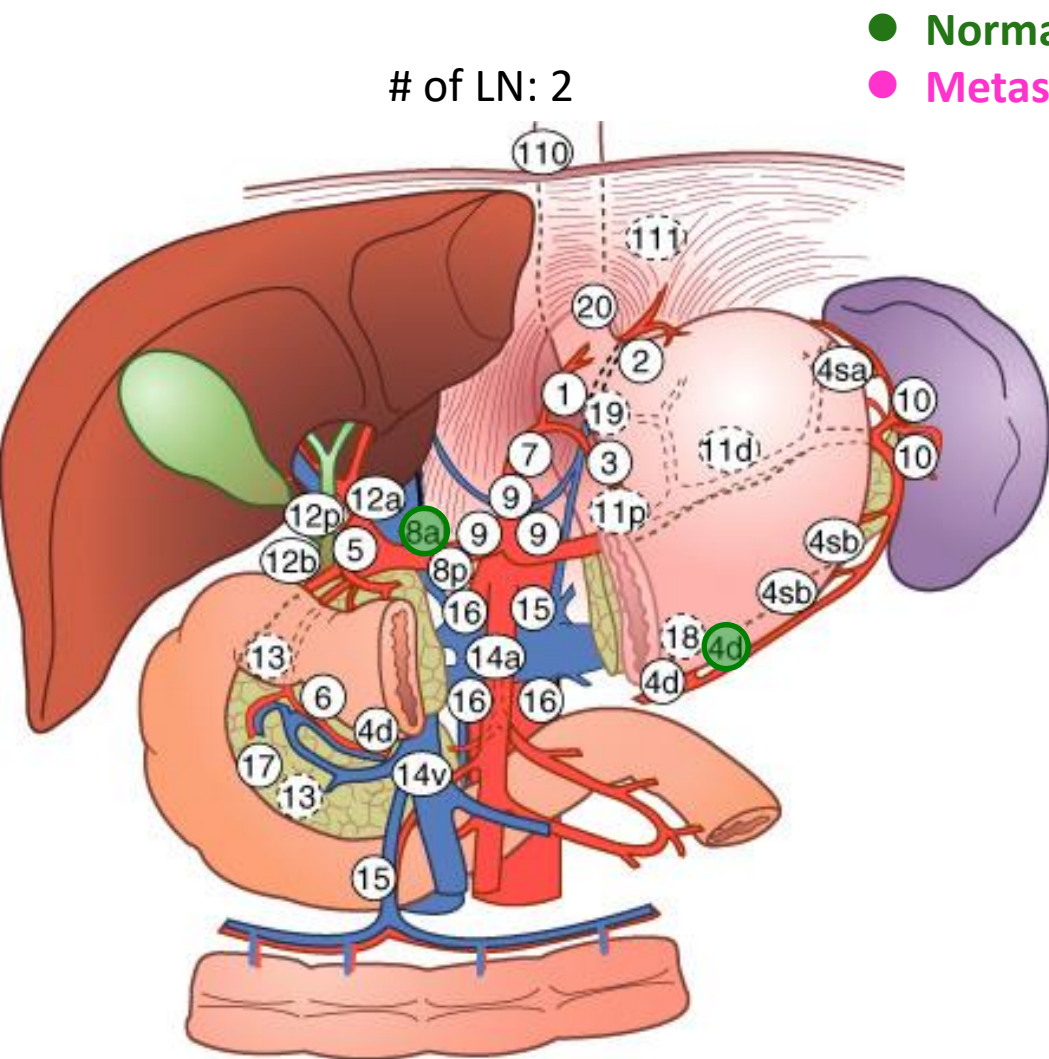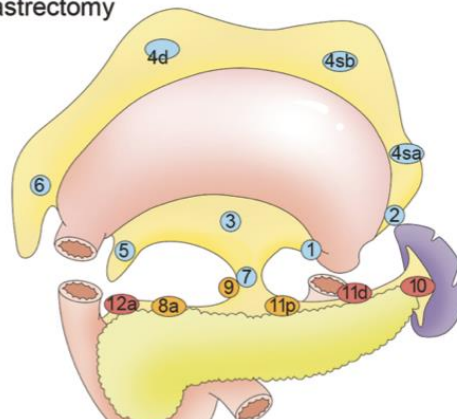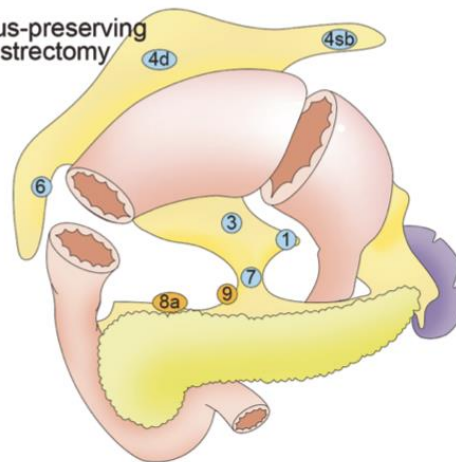D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

#IS69 (distal gastrectomy, T1N0M0, body, LC, absent)

# of LN: 4

● **Normal**
● **Metastasis**

Legend:
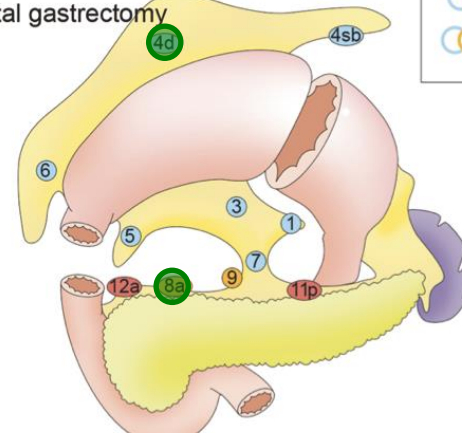- ○ D1
- ○○ D1+
- ○○○ D2

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a
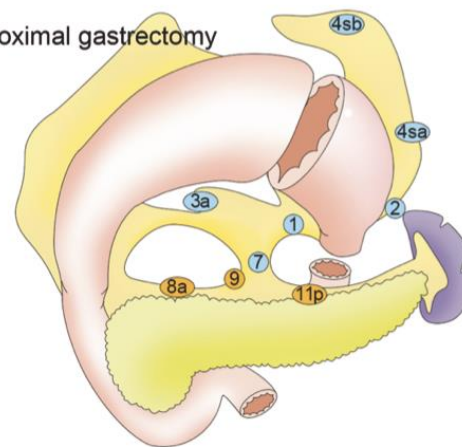
c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9
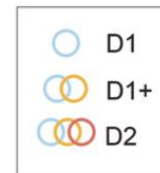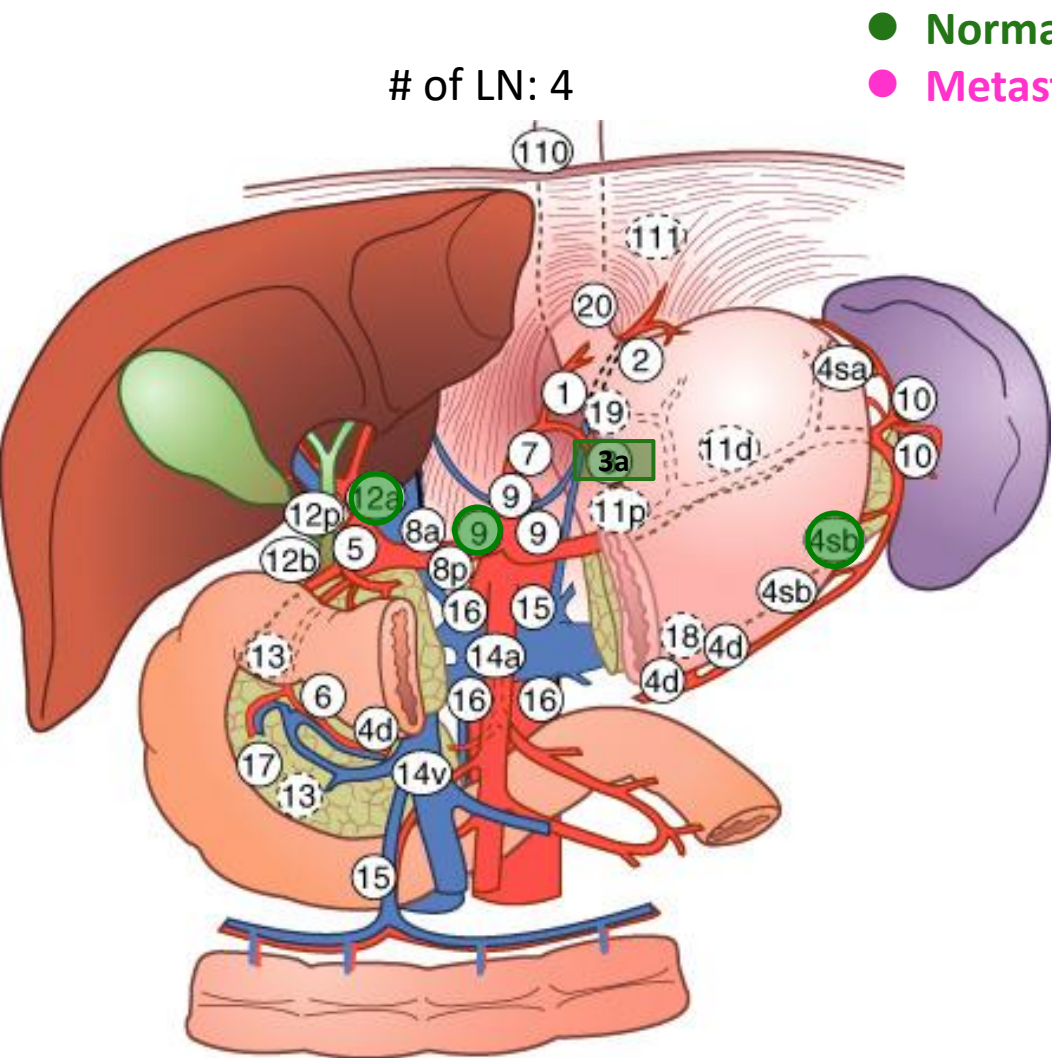
d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

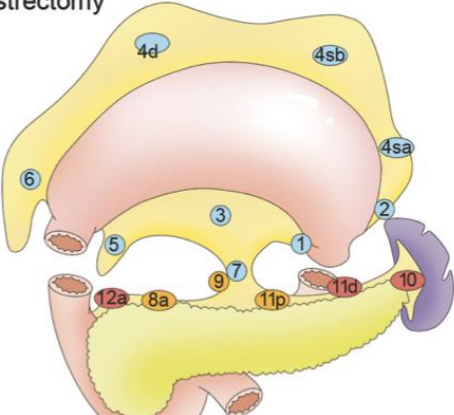# #IS70 (total gastrectomy, T4N0M0, high body, PW, absent)

# of LN: 4

● **Normal**
● **Metastasis**

D1
D1+
D2

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

Copyright © 2004, Elsevier.

#IS71 (total gastrectomy, T4N3M0, low body, AW, present)
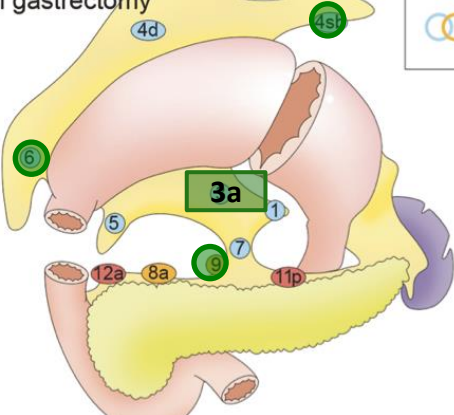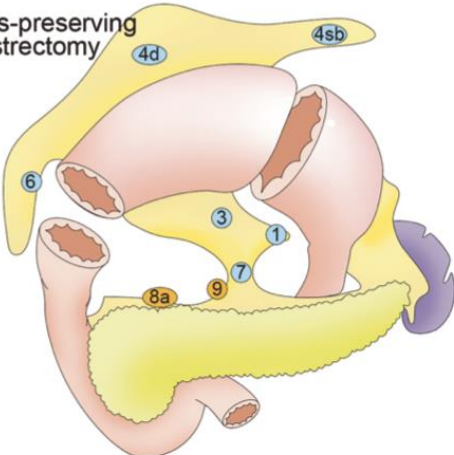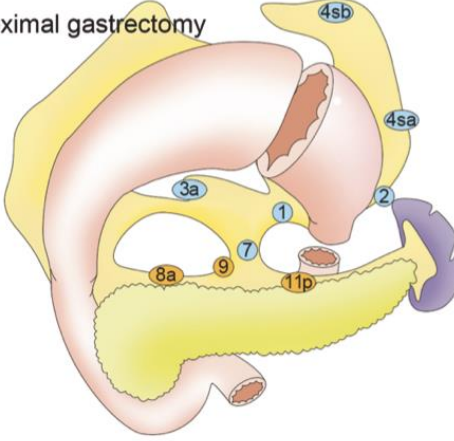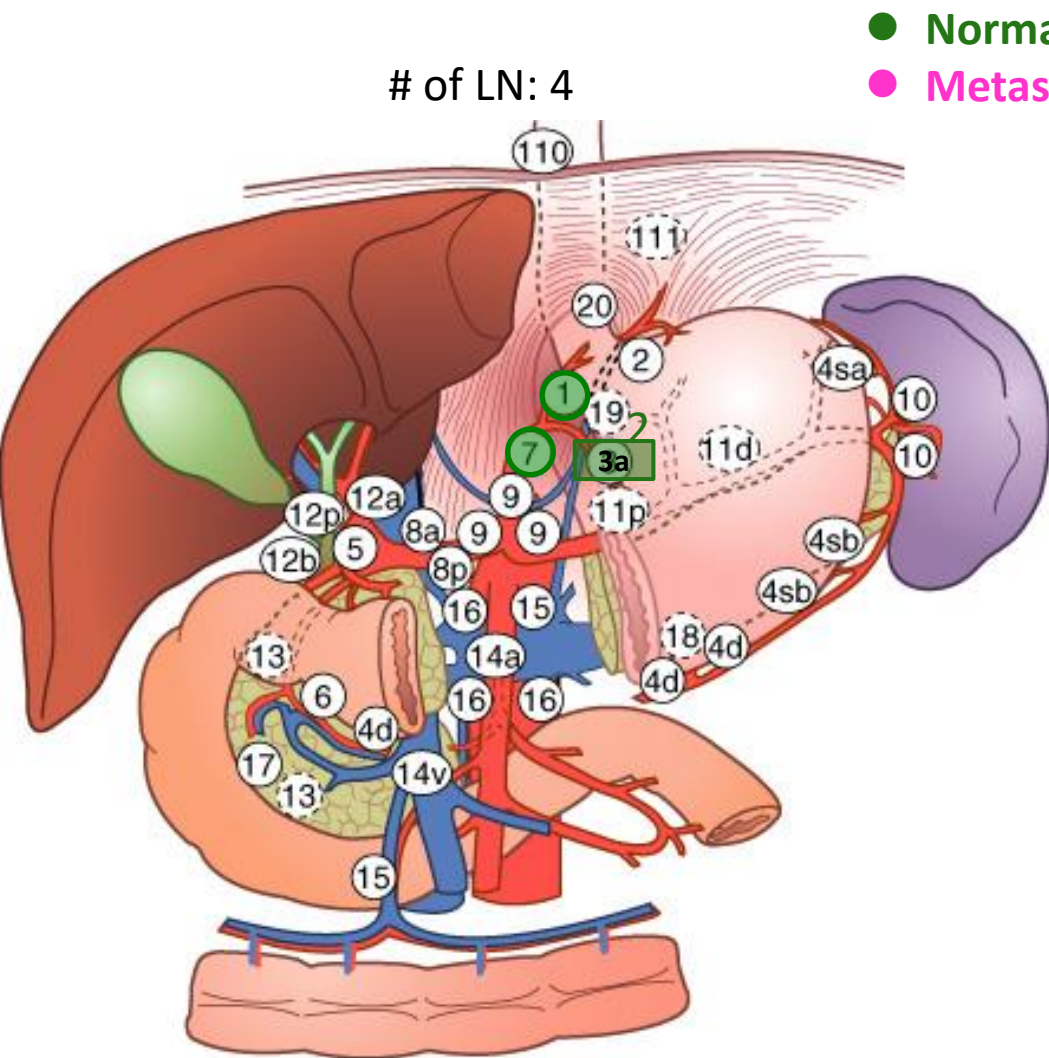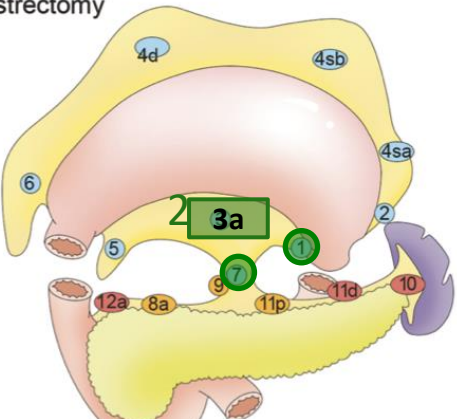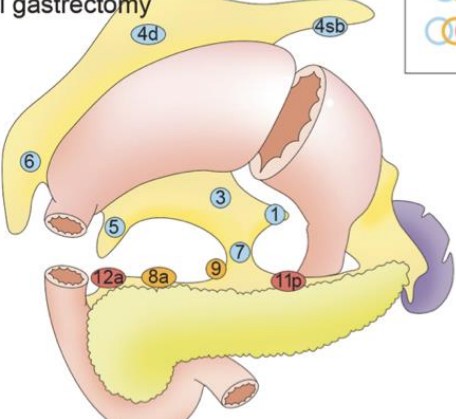
Normal ●
Metastasis ●

# of LN: 7

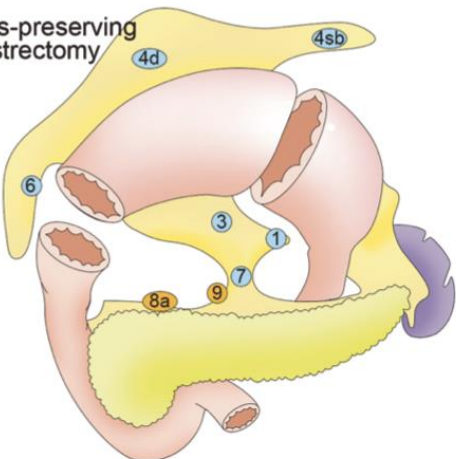Copyright © 2004, Elsevier.

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
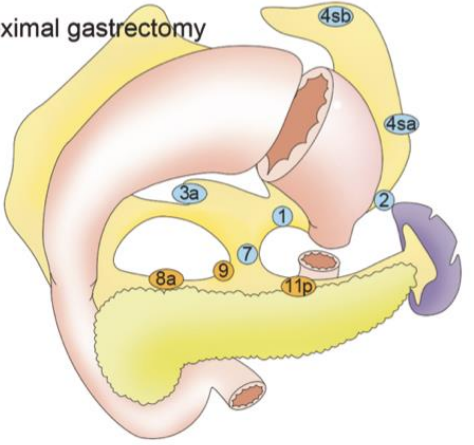
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
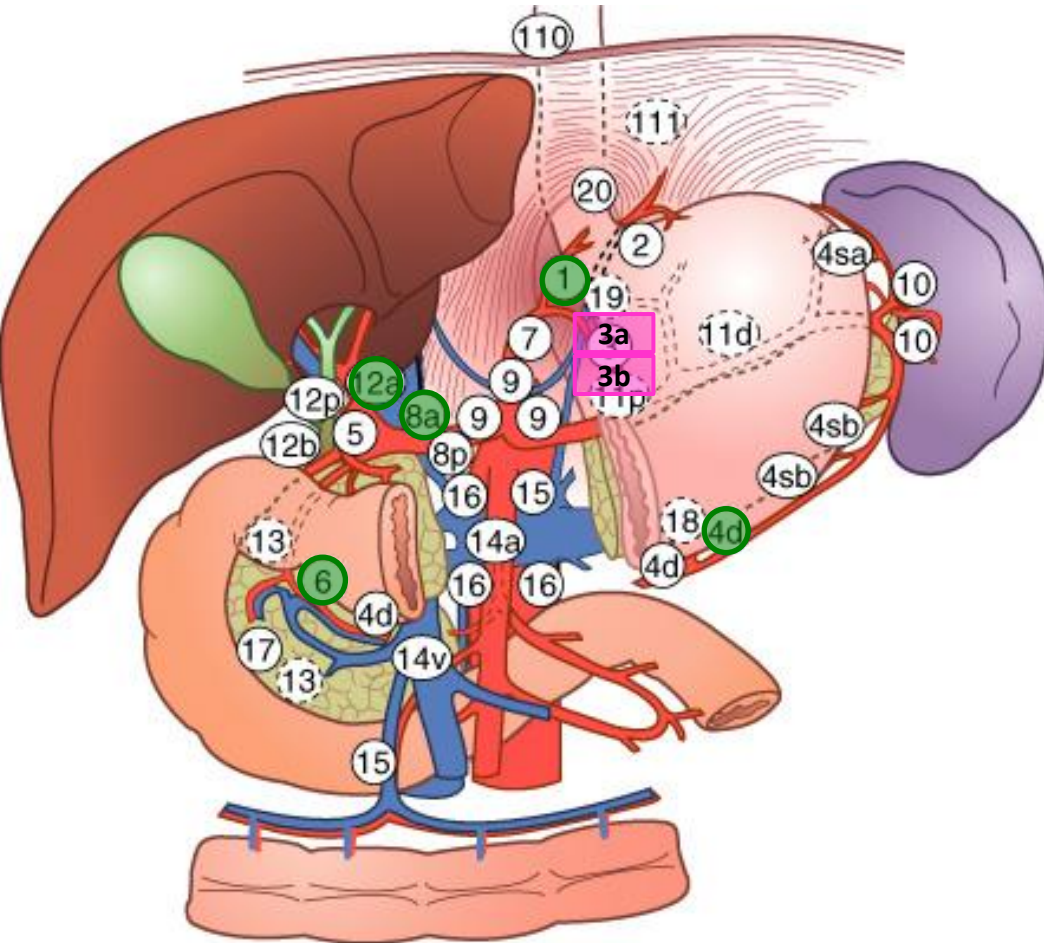D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

Legend:
○ D1
○○ D1+
○○○ D2

#IS72 (distal gastrectomy, T1N2M0, body, LC, absent)

- **Normal** (green)
- **Metastasis** (pink)

# of LN: 6

Legend: D1, D1+, D2

a Total gastrectomy
D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy
D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy
D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy
D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus, D1+ includes No. 110

#IS73 (total gastrectomy, ypT0N2M1, -, -, -)
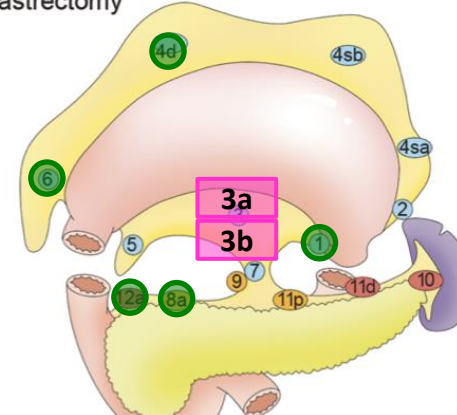

# of LN: 7

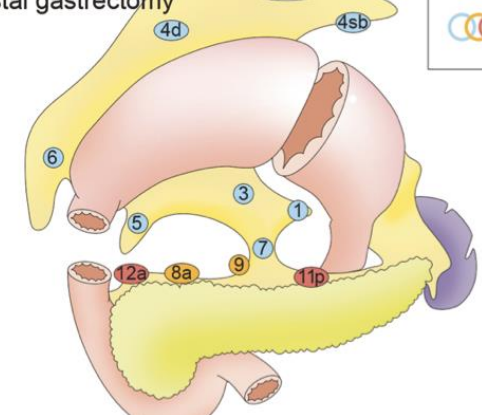● **Normal**
● **Metastasis**

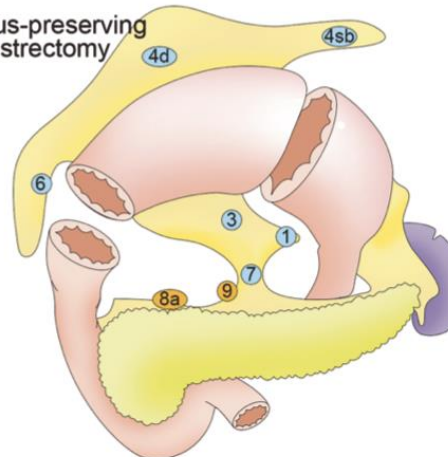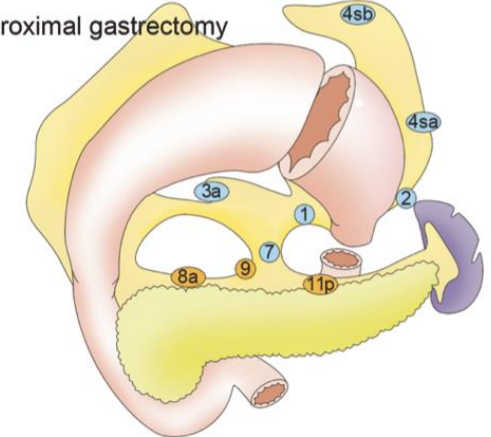Copyright © 2004, Elsevier.

a Total gastrectomy

3a

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

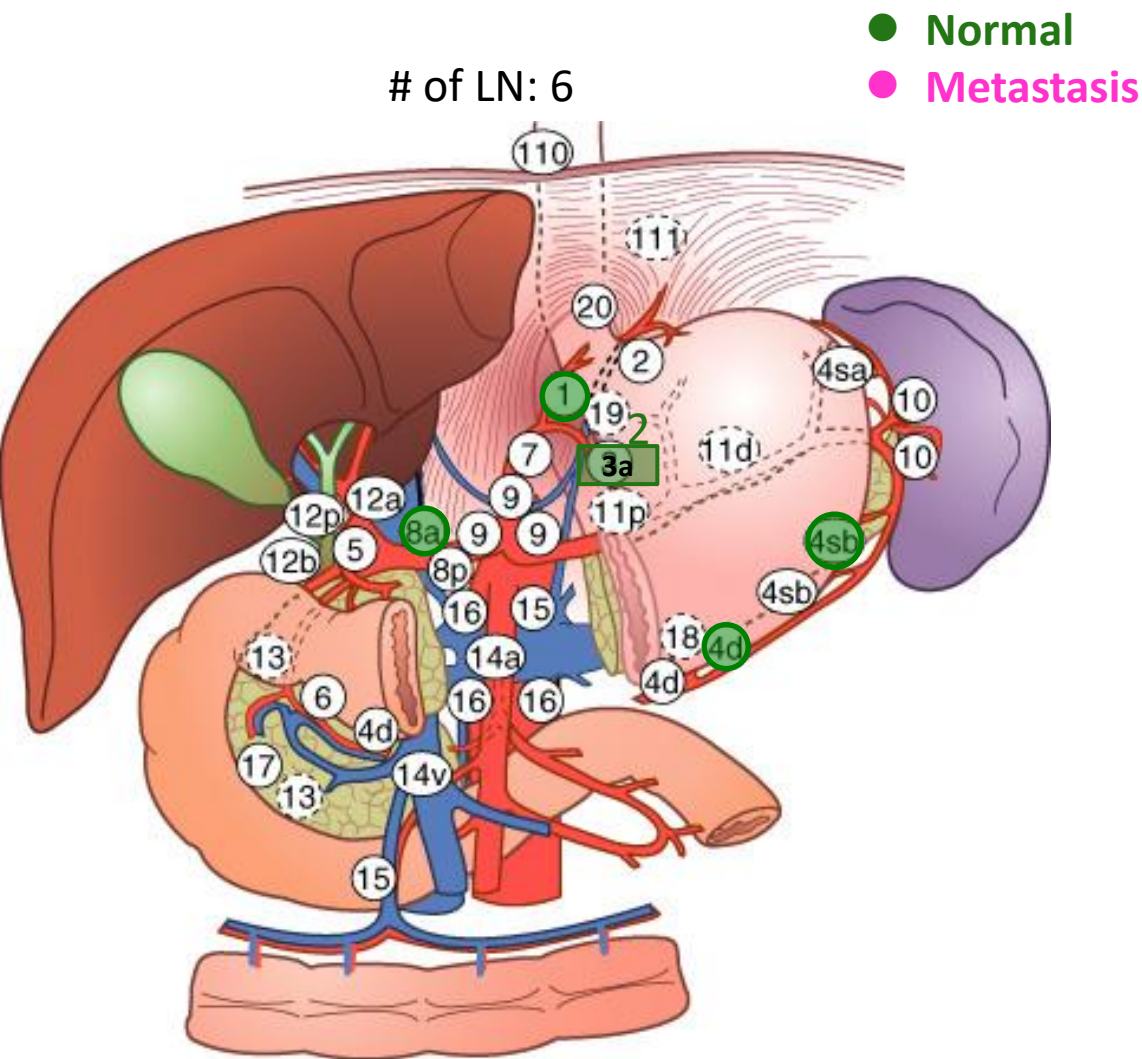**c** Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
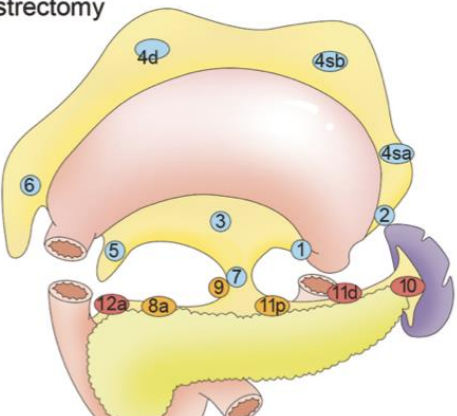D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

D1
D1+
D2

#IS74 (distal gastrectomy, T3N3aM0, antrum, LC, present)
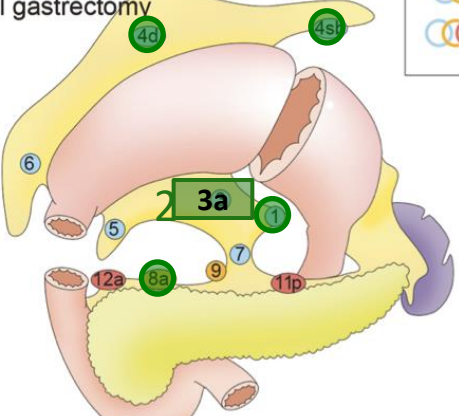

# of LN: **16**

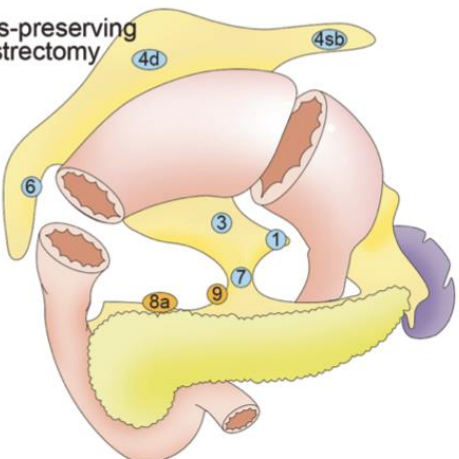Copyright © 2004, Elsevier.

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
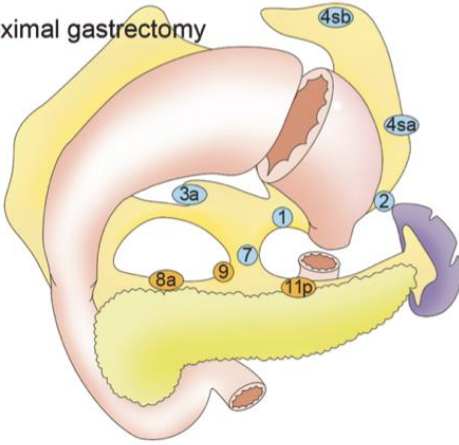
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
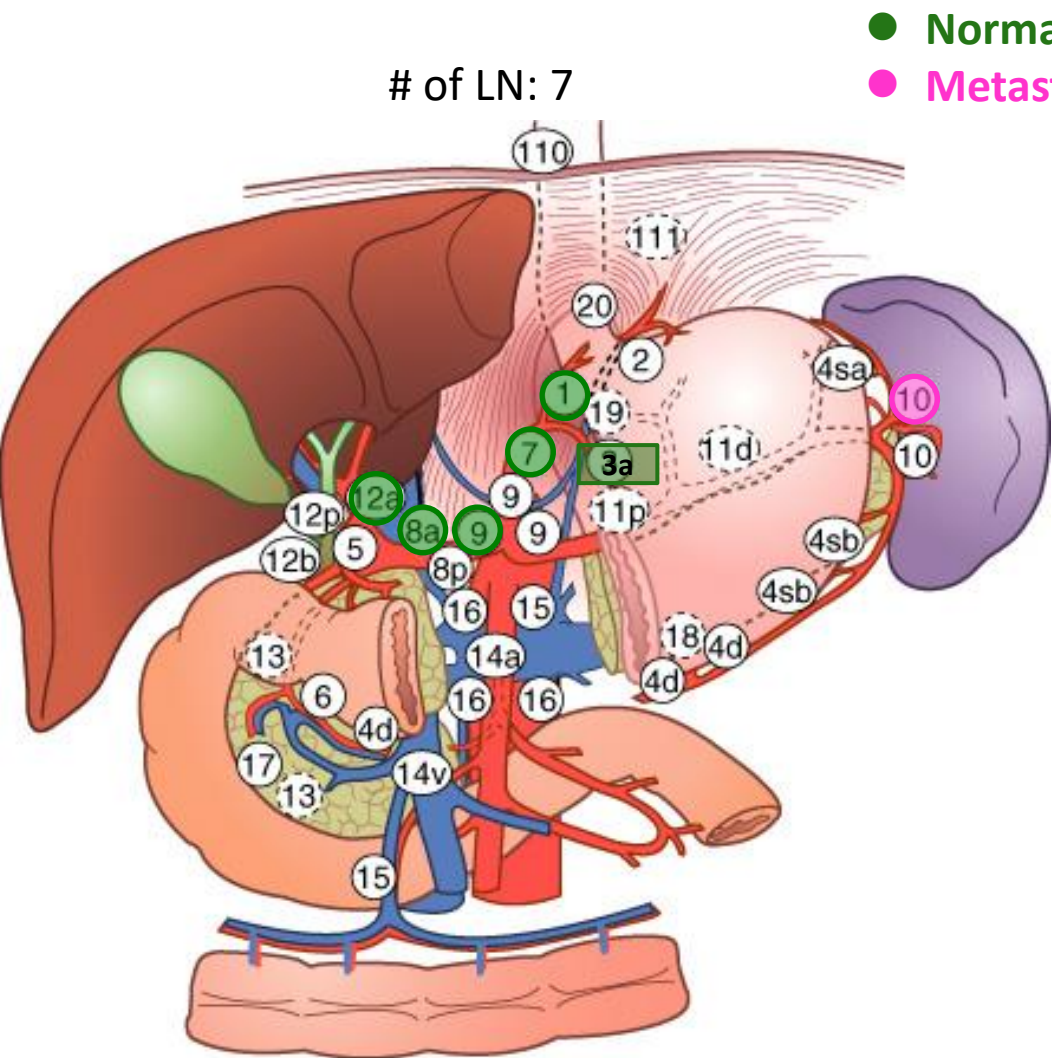D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
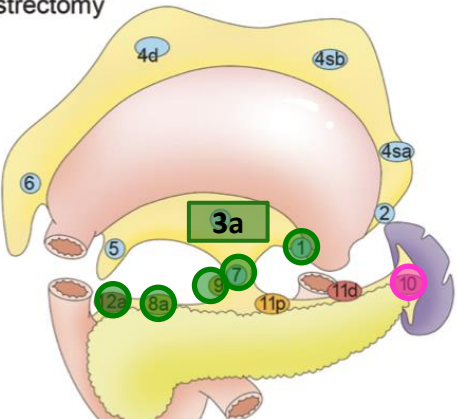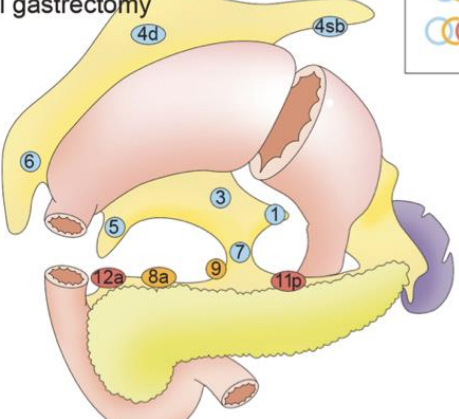*For tumors invading the esophagus,
D1+ includes No. 110

D1
D1+
D2

#IS76 (total gastrectomy, T4aN3bM0, antrum, LC, present)

# of LN: 21

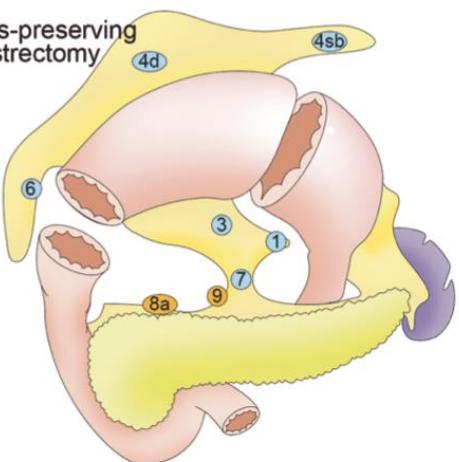- ● **Normal**
- ● **Metastasis**

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
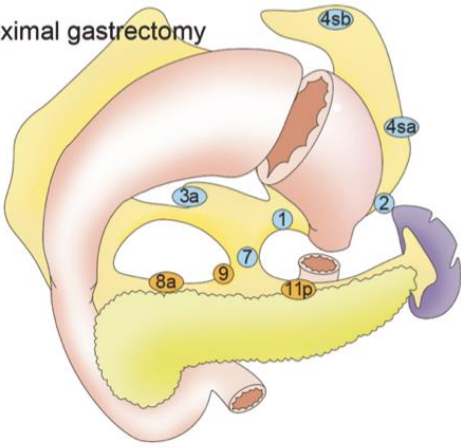
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
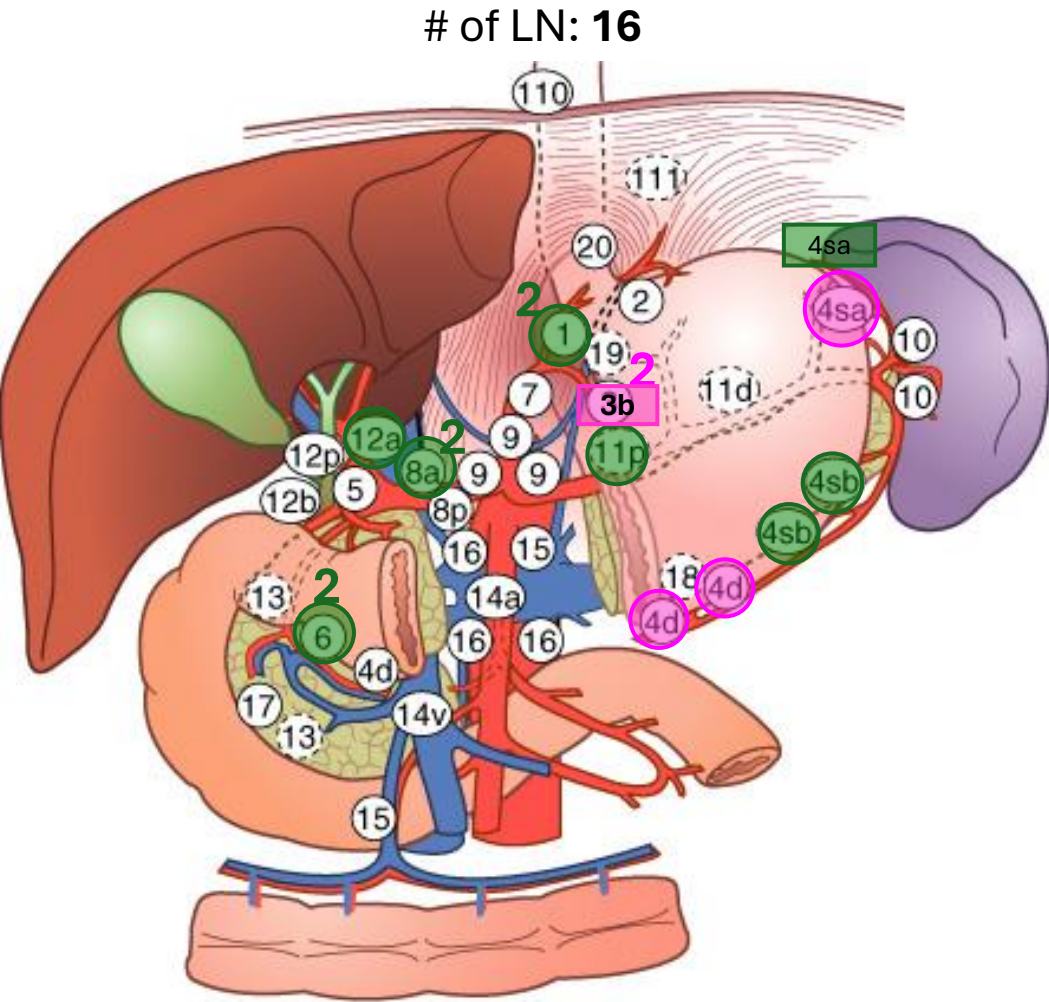D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
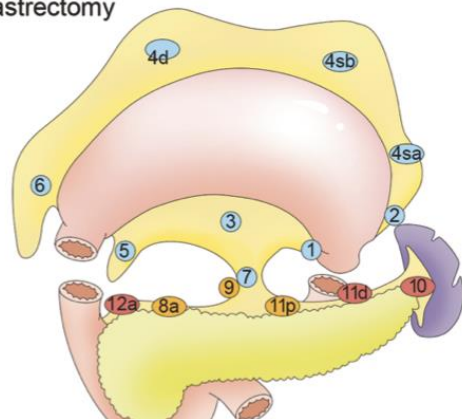D1+ includes No. 110
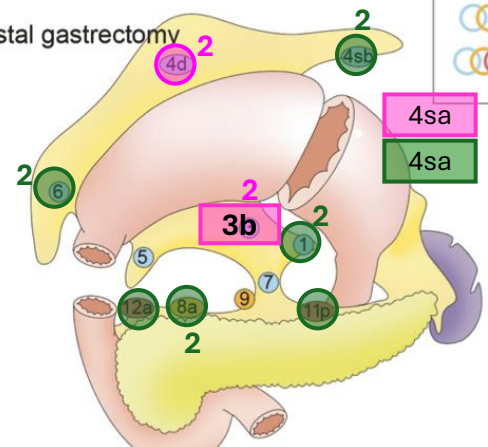
#IS77 (total gastrectomy, T3N3aM0, body, LC, present)

# of LN: 15

● **Normal**
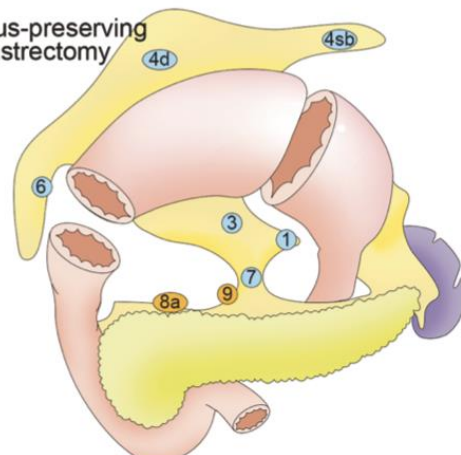● **Metastasis**

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
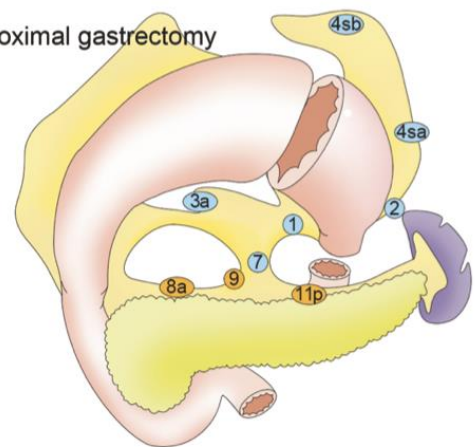
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a
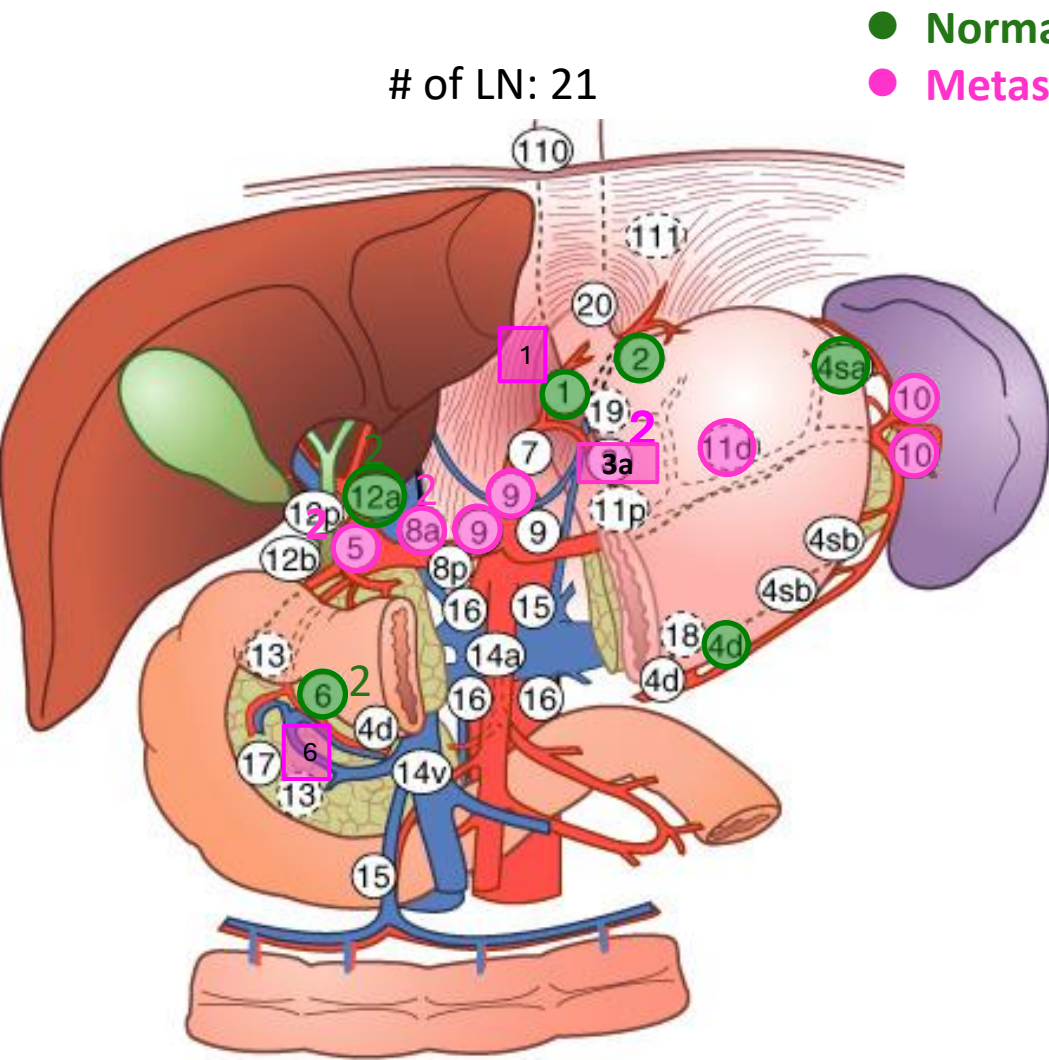
c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

D1
D1+
D2

Copyright © 2004, Elsevier.

#IS78 (distal gastrectomy, T2N0M0, antrum, LC, not identified)

Legend:
- **Normal** (green)
- **Metastasis** (pink)

# of LN: 10

D1 / D1+ / D2

a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111

b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
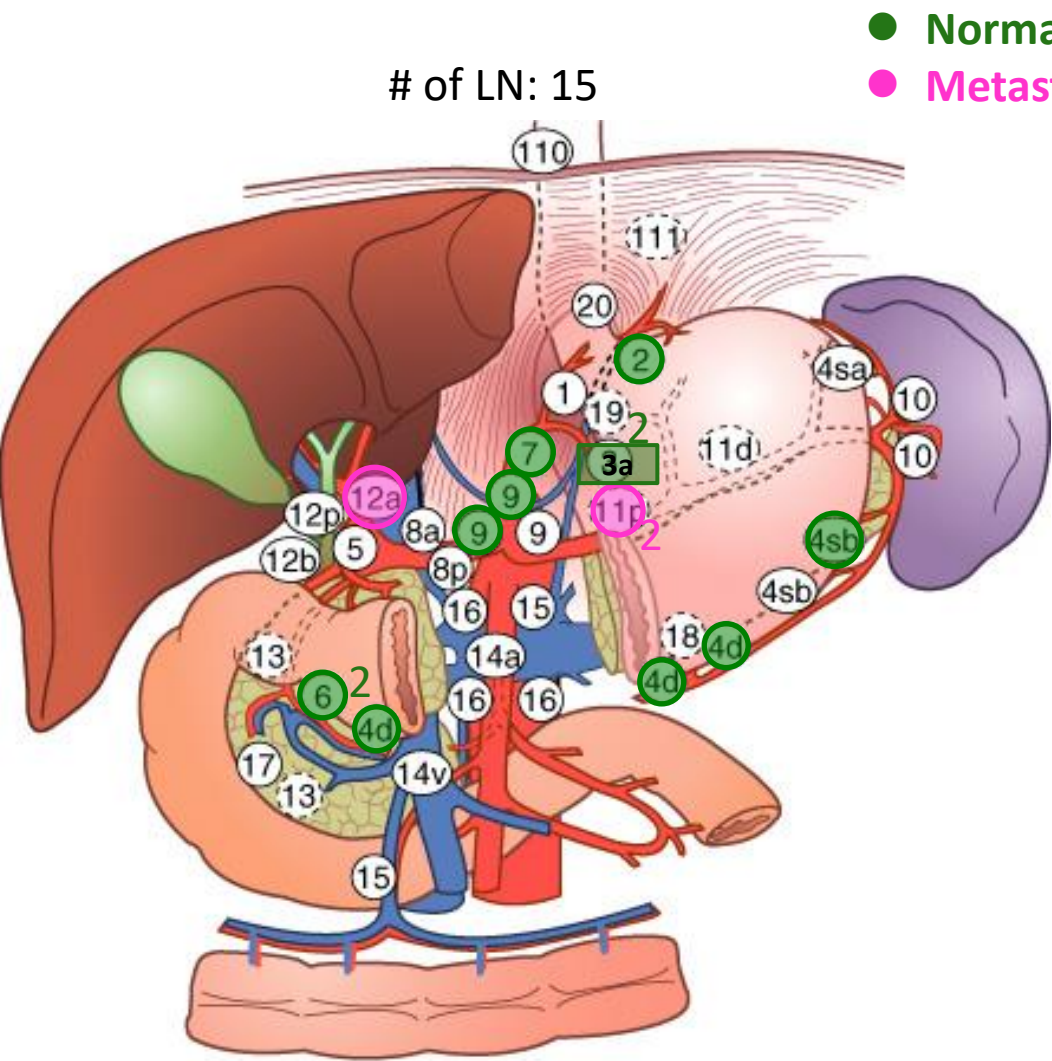D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

#IS79 (gastrectomy, T1N0M0, antrum, LC, not identified)

<Missing specific gastrectomy type>

of LN: 7

● **Normal**

● **Metastasis**

Legend: D1, D1+, D2
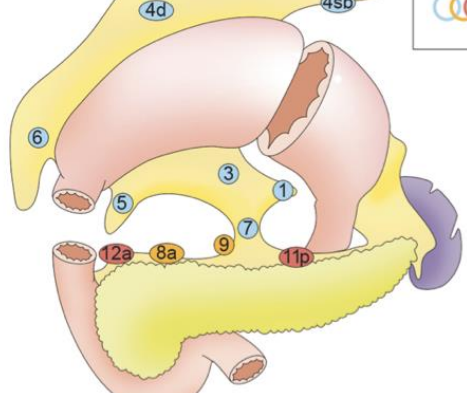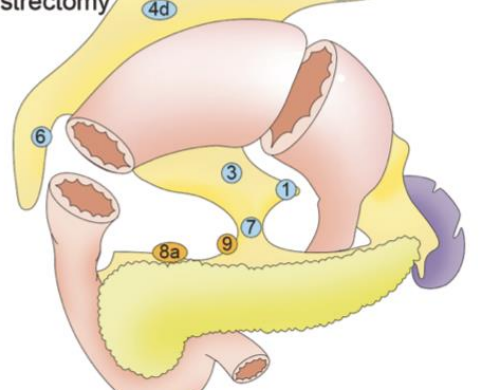
a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
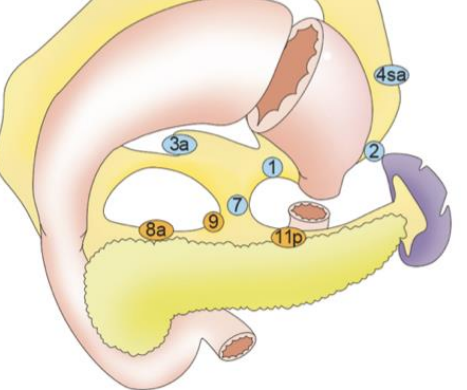
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a

c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
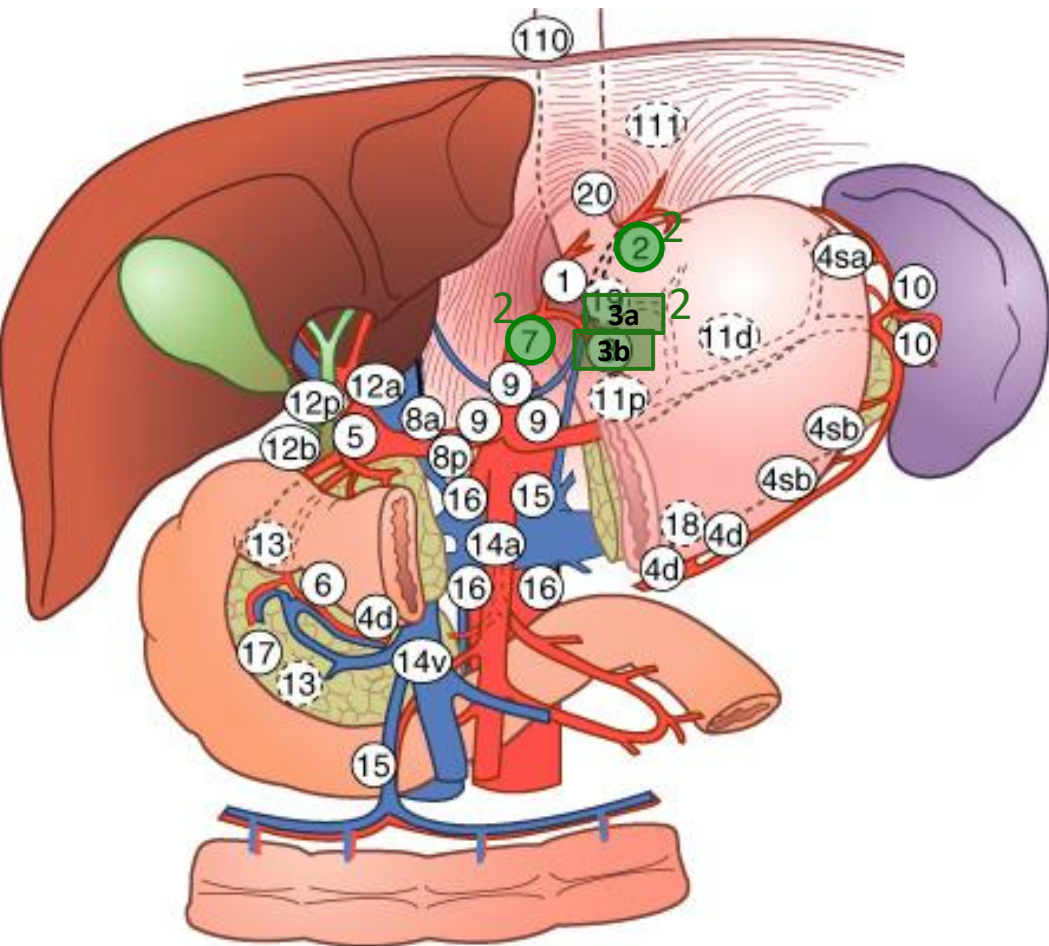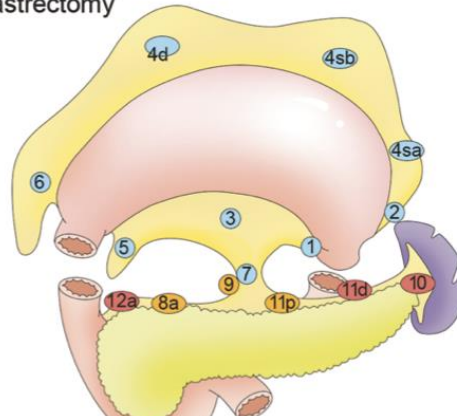*For tumors invading the esophagus,
D1+ includes No. 110

Copyright © 2004, Elsevier.

#IS80 (total gastrectomy, T3N0M0, antrum and body, LC, -)

# of LN: 12

● **Normal**
● **Metastasis**

Legend: ○ D1 ⊙⊙ D1+ ⊙⊙⊙ D2
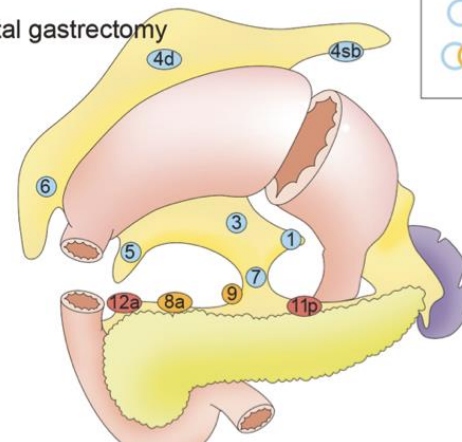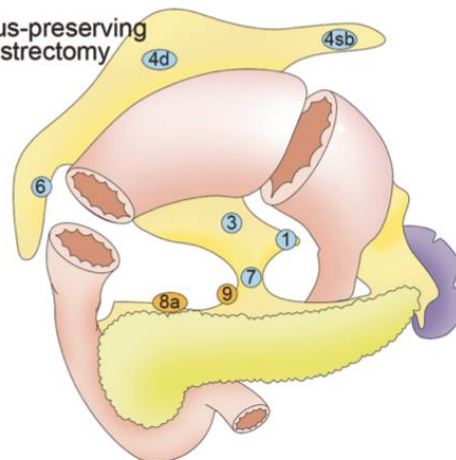
a Total gastrectomy

D0: Lymphadenectomy less than D1
D1: Nos. 1–7
D1+: D1 + No. 8a, 9, 11p
D2: D1 + No. 8a, 9, 10, 11p, 11d, 12a
*For tumors invading the esophagus, D1+ includes:
No. 110, D2 includes No. 19, 20, 110 and 111
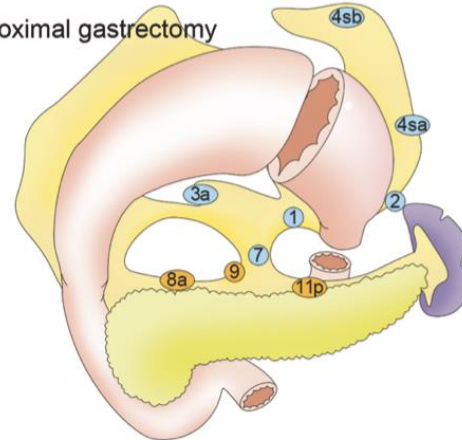
b Distal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 3, 4sb, 4d, 5, 6, 7
D1+: D1 + No. 8a, 9
D2: D1 + No. 8a, 9, 11p, 12a
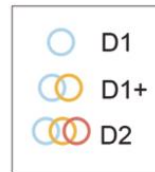
c Pylorus-preserving gastrectomy

D0: Lymphadenectomy less than D1
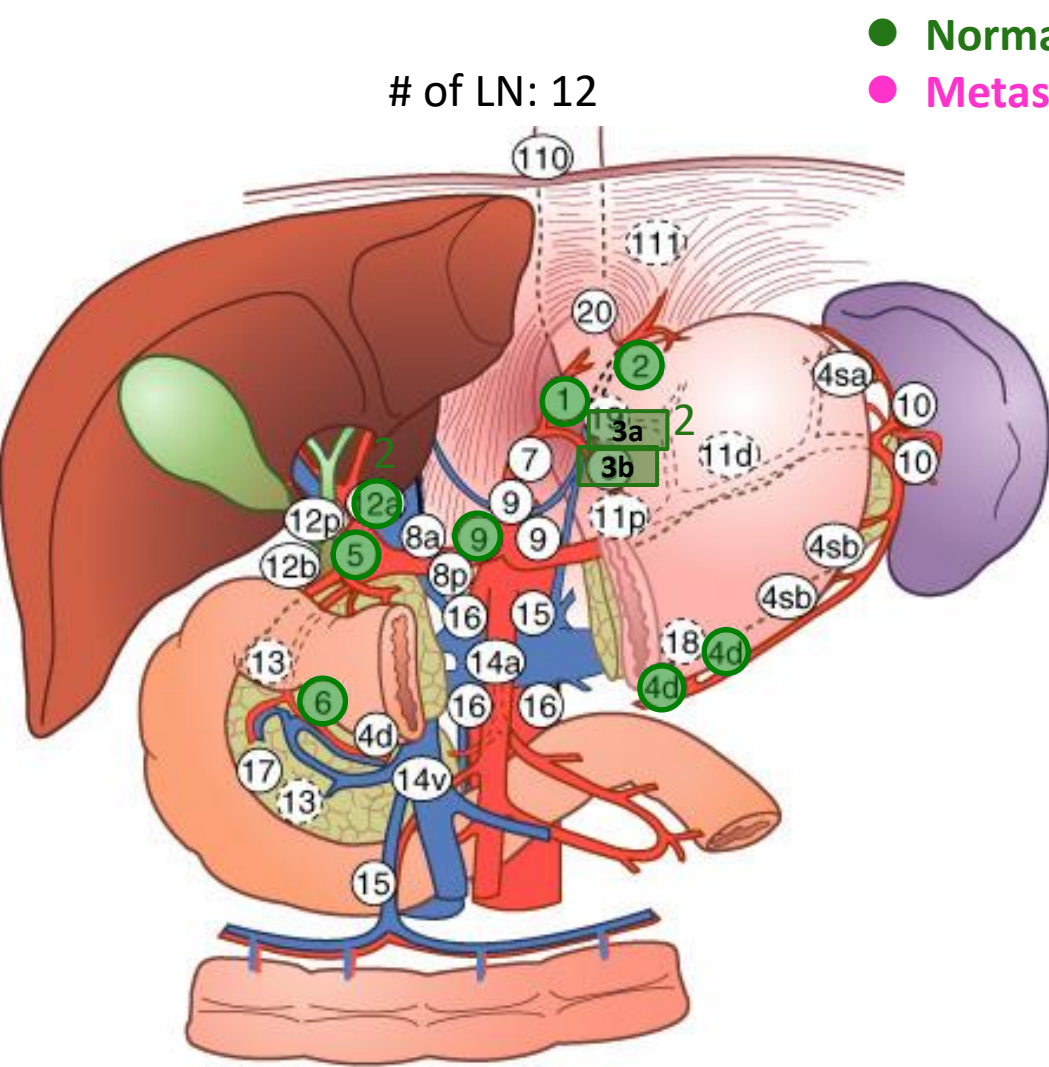D1: No. 1, 3, 4sb, 4d, 6, 7
D1+: D1 + No. 8a, 9

d Proximal gastrectomy

D0: Lymphadenectomy less than D1
D1: No. 1, 2, 3a, 4sa, 4sb, 7
D1+: D1 + No. 8a, 9, 11p
*For tumors invading the esophagus,
D1+ includes No. 110

Copyright © 2004, Elsevier.

메타 개수 많은 순대로 나타낸 환자번호들.

patient	meta_count
76	13
35	5
43	5
74	5
37	4
42	4
66	4
77	3
71	2

*리스트에 없는 건 메타 개수 0

09	1
13	1
23	1
38	1
45	1
46	1
57	1
60	1
61	1
62	1
64	1
67	1
73	1

토탈LN 개수, 메타 개수 많은 순대로 나타낸 환자번호들.

Sample type	meta_count	total_count	meta_ratio
3a	7	32	0.218750
4d	3	32	0.093750
7	6	26	0.230769
1	3	26	0.115385
6	5	24	0.208333
8	4	21	0.190476
9	4	17	0.235294
12	2	16	0.125000
3b	7	15	0.466667
4sa	4	9	0.444444
2	3	9	0.333333
11p	2	8	0.250000
3	2	8	0.250000
10	3	5	0.600000
5	2	5	0.400000
11d	1	3	0.333333
UK	1	3	0.333333

샘플타입 별 정렬

Sample Type Distribution

Tissue Type
- Tumor N = 64
- Normal N = 63
- Lymph Node N = 273

Sequencing Method
- SC (6) N = 93
- WES (58) N = 307
- WTS (58) N = 299