A Case of Large Cell Neuroendocrine Carcinoma of Gallbladder

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Background: Primary neuroendocrine carcinoma of the gallbladder is very rare. We report a case of large cell neuroendocrine carcinoma of the gallbladder confirmed by laparoscopic surgery, in spite of initial negative ultrasound-guided needle biopsy.

Case Presentation: A 60-year-old man presented with epigastric soreness. Physical examinations were non-specific. Abdominal computerized tomography showed 2.5×2.5 cm sized enhancing polypoid mass in the gallbladder, accompanied by multiple enhancing mass in liver segments 4 and 5 and conglomerated lymphadenopathy along the hepatoduodenal ligament. The biopsy findings for liver mass were non-specific, except poorly differentiated morphology. After laparoscopic cholecystectomy, pathology results, including immunohistochemical staining, showed large cell neuroendocrine carcinoma of the gallbladder. Central bisegmentectomy and extensive lymph node dissection were undertaken, and chemotherapy with combined etoposide and cisplatin was performed. Six months after diagnosis, the patient was still alive, with no evidence of recurrence.

Conclusion: More active diagnostic work-up for neuroendocrine carcinoma may be required, including immunohistochemistry and, if necessary, laparoscopic surgery.

Key Words: Large cell neuroendocrine carcinoma; Gallbladder
Fig. 1.

CD56

Chromo

Synapto

Ki-67

Fig. 2.