

(report)

**Aim of COURSE & UPDATE** Endoscopic submucosal dissection (ESD) reveals lower curative resection rates (mean 60 – 65%) of malignant neoplasias (in esoph., colorectum) in Western series as compared to Japanese series (≥85%). This **advanced COURSE & UPDATE** is to improve endosc. indication and ESD performance towards professional level.

**The COURSE** (24 participants) consisted of 6 hrs experimental **SKILLS SESSION** on June 26 (8 x 3 partic.; 4 ESD stations, 4 stat. for Diff. Indication/ Clipping/ Suturing/ ESD Platforms), 8 hrs of **ESD CLINICAL TUTORING** in the Endoscopy unit on June 27 (3 x 8 partic., 6 ESD patients & 2 diagnost. pat.), and the **ENDO SKILL UPDATE**, i.e. Diagnosis- & ESD-LIVE transmission to auditorium (65 partic.) **as case study session** on June 28 (4 ESD patients; plus 2x quiz / 1x lecture). *Expert tutors* were T Oyama & A Takahashi (Saku, JP), T Toyonaga (Kobe, JP), N Yahagi (Tokyo, JP), S Kantsevoy (Baltimore, US), J Hochberger (Berlin, DE), H Seifert (Oldenburg, DE). *Moderators:* T Ponchon (FR), F Dumoulin (DE), G Kleber (DE), A Mitrovic (RU), A Wagner (AT), E Wedi (DE), A Ziachehabi (AT), M Abdelhafez (DE).

**List of participants**

In order to improve professional level of ESD, 24 endoscopists with clinical ESD experience (50% with >100 ESD, 25% each with 30 – 100 ESD and <30 ESD) participated in the COURSE. Seventeen of them had previously been at ESD Workshops / Clinical Tutorings, plus five in UPDATES (2009-2018) in Salzburg. They came from:

AT: Hospital LKH, St. Pölten	ES: Porta Hierros UH, Madrid	IT: St-Maria UH, Imola
BE: Clin. St-Joseph, Arlon	ES: La Fe Univ Hosp, Valencia	JD: Farah Med. Campus, Aman
BG: Univ. Hosp., Plovdiv	FR: CHU Inst P Calmette, Marseille	NL: Gelre Ziekenhuis, Apeldoorn
DE: Agaplesion Clinic, Kassel	IL: Hadassah UH, Jerusalem	NL: Isala Hosp., Zwolle
DE: Univ. Hosp., Leipzig	IL: Kaplan Med Ctr, Rehovot, Tel Aviv	PG: St-Maria Univ. Hosp., Lisbon-North
DE: Clinics Neuperlach, Munich	IT: Veneto Inst Oncol, UH, Padova	PG: Oncol. Inst. Gentil, Lisbon
DE: St Joh's Hosp., Munich	IT: St-Chiara Hosp, Trento	TR: Koacaeli Univ Hosp, Koacaeli, Istanbul
DE: Caritas-Clinics, Saarbrücken	IT: Ospedale, Conegliano	UK: Midland univ. Hosp, Stoke-on-Trent

The graphs representing the **Evaluation of the Course & Update** by participants are given below.

**Clinical Outcome**

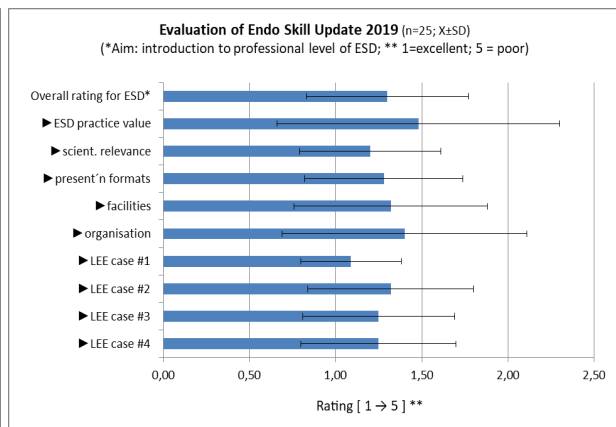
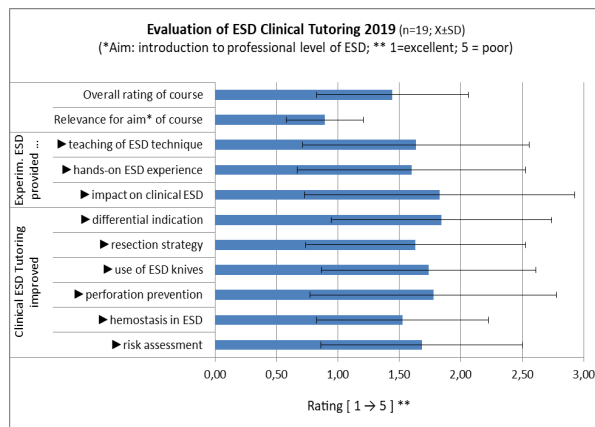
Twelve patients with 15 lesions have been examined on June 27th and 28th. Referral endoscopic diagnosis (by ESD endoscopists) was confirmed by the experts in 11 patients (incl. one hyperplastic 0-IIa/Is in ulcerative colitis) and was overstaged in one (esoph. SC-HGIN or Tis instead of LGIN) – yielding **93% accuracy for ESD indication**.

**ESDs:** Thirteen neoplasias in 10 patients underwent en-bloc resection (**1x EMR** for 2cm LST-gm; **12x ESD**) without complications, all **discharged home within 4 days. En-bloc resected NPL were all malignant 100%**(7x Ca, 6x HGIN): 3 esoph SCC (2 pTis, 1 pT1a G2), 3 Barrett NPL (2 AC G2 pT1a / pT1b sm-60µm; 1 multifoc HGIN), 1 gastr AC (pT1a, G1-2), 1 traditional serrated adenoma (TSA & multifoc HGIEN & pTis G2), and 5 colorectal LST-ng (multifoc. HGIEN).

**Outcome:** All malignant NPL were LO V0 and resected with free margins (4x coagul. artefacts [≈ R1 lateral margin] at LGIEN). → **100% curative resection rate**. Outcome for the patients was excellent. Audiovisual recordings of cases will be available under [www.early-cancer.eu](http://www.early-cancer.eu) (user: [user2024](#); pw: [updt2024](#)).

**Evaluation by participants**

The ratings (on questionnaire) of the COURSE & UPDATE were very good as well as the expected impact on and relevance for future clinical ESD procedures (see graph, x±SD of ratings [1 = excellent; 5 = very poor]).



Most NPL (9/12) for ESD were very challenging lesions due recurrence / complexity/ location precluding to involve participants by hands-on assistance, which was feasible only in 3 cases. However, this *advanced Course format* will actively involve more participants in upcoming courses.