

ESPS PEER REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 12488

Title: Patient radiation exposure during ERCP: Fluoroscopy time and beyond.

Reviewer code: 00504581

Science editor: Ya-Juan Ma

Date sent for review: 2014-07-13 09:00

Date reviewed: 2014-07-24 16:11

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Existing	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> Existing	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

This is a very interesting prospective and descriptive study. The authors have been able to show that fluoroscopy time is not an accurate indirect measurement of the radiation exposure during the ERCP procedure to the patient and medical staff. However, reading the paper there are many questions arisen that I would appreciate the authors will answer and comment: Which one of the different ways proposed to measure the radiation exposure (DAP, DOSERP: DAPt, DAPf, DAPa, DOSERPt, DOSERPf and DOSERPp) are the best? Are they available everywhere and easy to implement in the radiological ward in the medical practice and for every patient? Are they expensive? How do the authors think these radiation measurements can change the ERCP practice, only for information for the patient and staff after the procedure, or this measurement can be obtained and applied during the procedure as this happens with the fluoroscopy time. Which are the safety limits of the dose radiation measured that the authors consider should be applied in order to avoid stochastic and deterministic injuries.

ESPS PEER REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 12488

Title: Patient radiation exposure during ERCP: Fluoroscopy time and beyond.

Reviewer code: 00011709

Science editor: Ya-Juan Ma

Date sent for review: 2014-07-13 09:00

Date reviewed: 2014-07-29 02:28

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Existing	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> Existing	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

This is a very interesting attempt to identify other clinically useful measures of radiation exposure. I have some major concerns: 1. It is not clear from the manuscript how DAP and DOSERP were calculated in this cohort study. Will be useful for readers to have a clear picture. 2. If there are any previous studies supporting the use of these indicators, should be referenced in introduction. 3. With wide variation in the measured indices did authors make any attempt to decrease the radiation exposure using these indices or standardize the technique or other controllable factors to decrease radiation exposure. 4. It might be interesting to correlate information obtained from the radiation dosimetry badge of the endoscopist with these indices.