

**Comparison with Previous Examinations does not Appear on Report (printed) or Pages Fail to Send (PACS)**

Serial result comparisons can only be generated when all a patient’s exams have at least one vertebral level in common. For example, presume a patient “Jane Doe” has had QCT exams on three different dates with the following vertebral levels selected for analysis:

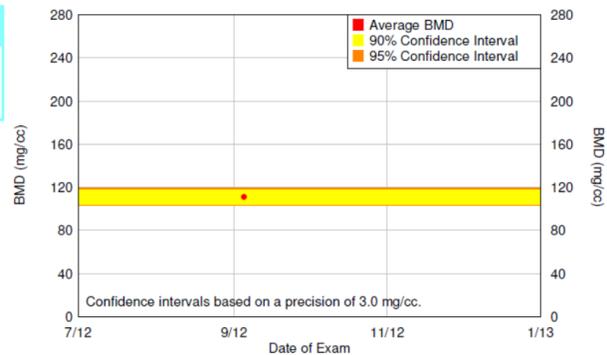
	1/1/2014	1/1/2016	1/1/2018
Jane Doe	Levels analyzed:	Levels analyzed:	Levels analyzed:
	L1	L1	L1
	L2	L2	
	L3		L3

Only L1 was analyzed in all three exams. Therefore, the serial comparison section on the report will only display L1:

**Comparison with Previous Examinations**

Date	Avg. BMD	Change (mg/cc)
9/5/2012	111.0	-
Change per year:		-

The above analysis based on BMD results for L1 from each exam.



Comparison with Previous Examinations

If no vertebral levels are in common, the serial comparison section cannot be generated. For example:

	1/1/2016	1/1/2018
Granny Smith	Levels analyzed:	Levels analyzed:
<b>No vertebral levels in common between the two exams</b>	L1	-
	L2	-
	-	L3
	-	L4

On a printed report, the “Comparison with Previous Examinations” section for Granny Smith will be left blank. If sending the report to PACS, both pages containing serial comparison information will not be sent.

In order to send Granny Smith’s results to PACS, you must mark her 2016 exam as “Not Primary”.

## Primary vs Not Primary Records

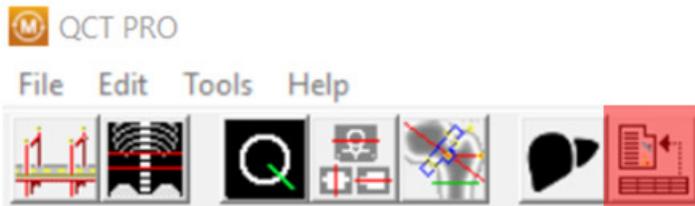
The QCT Pro database contains a section labelled “Primary Analysis” with a value of either “True” or “False”. Primary analyses (those labelled “True” in the database) are included in serial results comparisons. Likewise, if one set of patient images is analyzed multiple times, the primary analysis is the one saved by the system and transferred to PACS, while the not primary analyses (those marked “False”) are saved but not used.

Spine Exams:

Last Name	Exam Date	Age	Exam Number	Primary Analysis	BMD T1
▶ OSTEOPENIA	2/8/2002	86	53	True	

## Changing the Primary Analysis Flag

Open the QCT Pro database by selecting the database icon from the top bar:



Find the patient of interest by scrolling through the top field or searching for last name using the box in the lower left-hand corner. Once you find the patient, select the spine exam of interest and right-click on the Primary Analysis field:

Spine Exams:

Last Name	Exam Date	Age	Exam Number	Primary Analysis	BMD T1
▶ OSTEOPENIA	2/8/2002	86	53	True	

- Delete Exam Record
- Mark as Primary Analysis
- Mark as Not Primary Analysis

Select the option “Mark as Not Primary Analysis”.

The patient’s report can now be sent to PACS with all pages.

## Conclusion

Marking an exam record as “Not Primary” can be used to send results to PACS when serial exams do not have levels in common. Additionally, setting an exam as “Not Primary” may be used to exclude

undesired results or to save alternative measurements without inserting them in to the patient's serial comparison record.