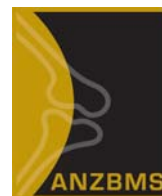


# ANZBMS Clinical Densitometry Course Accreditation Process



## Introduction

After successful completion of the ANZBMS DXA Training course and examination, participants have the option to gain ANZBMS Densitometrist Accreditation.

The aim of densitometry accreditation is to ensure that the individual ANZBMS Densitometrist:

- applies principles that ensure accurate and reproducible results at all times
- understands bone densitometer function and application of quality control methods to the extent that bone densitometers operate optimally

To achieve this, the ANZBMS Densitometry Accreditation faculty will evaluate scanning technique and quality control procedures by reviewing de-identified scans submitted by the participant to the ANZBMS Accreditation faculty.

Densitometrists who achieve accreditation will be offered the option of having their details recorded in a database on the ANZBMS web site. This will benefit the densitometrist by indicating their professional standing to employers, regulators, and their peers.

ANZBMS Densitometry Accreditation is initially valid for five (5) years, after which submission of evidence of ongoing educational activities will be required to gain a further five (5) year accreditation. This may include journal subscriptions, attendance at meetings, conferences, and presentations in the densitometry field. Details of ongoing densitometry accreditation will be provided with initial certification.

A **fee** of AUD\$100 is charged for ANZBMS Clinical Densitometry accreditation to defray administration and processing costs. The payment should accompany the accreditation submission

## Accreditation Submission Instructions

Scans must be acquired and analysed by the person applying for accreditation.

To apply complete, print and sign the **ANZBMS Densitometrist Accreditation Acknowledgment form** (see below) with your submitted scans as described below.

It is essential that you keep a copy of submitted work for your own records. The ANZBMS will not return submissions.

Documents should be submitted to the ANZBMS Secretariat as:

- full colour originals of each scan
- full colour originals copies of *spine phantom scans* & QA documents
- A completed hard copy submission form describing the scans
- A completed accreditation process acknowledgement

Alternatively scans may be submitted electronically (ie the scan files, worksheets etc), either by diskette or CD if this is possible for your scanner system. File names must be supplied on the submission form.

Specific instructions applicable to each of the scanner manufacturers (GE-LUNAR, Hologic and Norland) are available on the ANZBMS web site.

For all submitted and analysed scans, you should ensure:

- the scan is de-identified as described in the manufacture specific appendix. For hard copy, this may be performed with a black marker
- the comments field of the scan file should include any clinically relevant information and how you dealt with difficulties. If there is insufficient space, a separate document, in Microsoft Word format should be attached.

Upon successful submission of the accreditation requirements, the ANZBMS will issue you with the ANZBMS Densitometrist Accreditation certificate.

**Submit scans (with payment of AUD\$100) to:**

**Australian & New Zealand Bone Mineral Society  
Accreditation Faculty**  
145 Macquarie Street  
Sydney. NSW. 2000

# Accreditation Submission Requirements

## Section A: Ideal Scans

- Submission of five (5) ideal AP spine scans acquired and analysed by participant.
- Submission of five (5) ideal proximal femur scans acquired and analysed by participant.
- Electronic submission will require scan file names. See manufacturer specific instructions

## Section B: Difficulties & Pitfalls

- Submission of five (5) scans from more than one anatomical site (spine and hip, optional inclusion of forearm and total body scans) demonstrating technical issues that are encountered in your work eg: degenerative disease, external and internal artefacts, difficulties and pitfalls.
- Provide evidence of recognition of these scanning difficulties and pitfalls in bullet point format or comments of no more than 50 words for each scan of your submission. The aim is to identify the difficulties or any deviation from the norm, and any steps you took to remedy this.  
This should demonstrate the thought process in recognising and solving technical scanning difficulties.  
eg
  - Poor Positioning femur
    - Prominent lesser trochanter
    - Inadequate internal rotation
    - Osteo-arthritis limits rotation
    - Femoral shaft over abducted
    - Corrected by re-scanning with correct abduction
    - Report indicates sub-optimal positioning due to osteo-arthritis

## Section C: Quality Control and Quality

This will require submission of printouts demonstrating an 8 week collection of Quality Control data of your standard instrument spine phantom. The data collection is expected to follow the procedures outlined in the ANZBMS DXA Technologist course. This requires measurement of the manufacturer supplied spine phantoms at least 3 times per week.

### ***Your submission must include the following:***

- Printouts of the 24 (3 scans by 8 weeks) spine phantom scans and analyses.
- Using 10 phantom scans obtain a baseline BMD (mean and standard deviation).  
Ensure you include your calculations for deriving the mean BMD and standard deviation (SD) of the spine phantom.

- A graph of the QC spine phantom BMD data over time using Multi-rule Shewart Charts. The graph may be system generated (not available on Hologic systems) or plotted in Excel or using a commercially available Statistical Program.  
Alternatively, you may download and use the “DXA Statistical Quality Control (DXASQC) Spreadsheet” available on your course CD or the ANZBMS website: <http://www.anzbms.org.au/resources/DXA/quality/index.cfm>.

**Please print the two pages below and include with your submission**

## ANZBMS Clinical Densitometry Course Submission Check list



### Section A

- 5 Ideal Spine Scans (comments optional)
- 5 Ideal Femur Scans (comments optional)

### Section B

- 5 Difficult Scans *with comments* on the problem and its solution

### Section C

- 24 Spine phantom scan printouts (over 8 weeks)
- 10 baseline BMD results and calculation of average and standard deviation
- Graph of BMD vs time, with multi-Shewart rule analysis

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### PAYMENT (Please complete payment details below):

**Cheque:**       I enclose a cheque for **\$100.00** (payable to ANZBMS)

**Credit Card:**    Please debit my               MasterCard    VISA   **\$100.00**

Card Number

Exp. Date:

Card Holder Name: \_\_\_\_\_

Signature of cardholder: \_\_\_\_\_ Date: \_\_\_\_\_

# ANZBMS Clinical Densitometry Course Bone Densitometrist Accreditation Acknowledgement



I \_\_\_\_\_ of  
\_\_\_\_\_

hereby acknowledge that the scans and documentation submitted to the ANZBMS Clinical Densitometry Faculty for accreditation is my own work.

The work was performed on a \_\_\_\_\_  
Bone Densitometer (Model \_\_\_\_\_ Software Version \_\_\_\_\_)

All patient scans submitted, either electronically or as hard copy have been de-identified in accordance with Australian Government privacy requirements.

I \_\_\_\_\_ willing to have my name posted on the ANZBMS web site to indicate I am accredited with the ANZBMS as a bone densitometrist.

I understand my contact details may be provided to prospective employers on request, but only with my consent. My contact details will not be used for any other purpose.

Signed ..... Date \_ \_ \_ \_ \_

Witness ..... Date \_ \_ \_ \_ \_

Signed .....