Re: ABR Part II type written questions from 2002

Which of the following is used for palliative treatment of bone mets? Sr-89, I-125, P-32

The NRC requires HDR shielding to be surveyed: daily, weekly, monthly, annually, after source change.

What detector is best for calibrating an Ir-192 IVRT source? (well chamber)?

What is the TG-40 photon field flatness spec?

According to the report by Kersey (sp?), what is the attenuation TVL of linac neutrons in a maze?

The largest contributor to dose at a point behind the gantry stand is ____: patient scatter, head leakage, neutrons from (gamma,n) in the walls

Electron virtual source- for linac with end of applicator at 100cm.
Given ion chamber readings at several distances, the virtual source position is __ cm.
At 100cm, 100; at 120cm, 44; at 140cm, 25.

AAPM Report 54 (TG-42? SRS)- What is the max size of a scanning ion chamber for SRS beams?

According to NCRP-49, what is the max allowed exposure/dose for films in a storage area?

Pick out the false statement about TG-51 (applicable to 3-50 MeV e-?)

For a H&N case, calculate couch kick given the field sizes to match the inferior borders to an SCLAV field.

Calculate the gantry angle for a half-beam blocked medial breast tangent beam, given a bunch of geometrical distances.

Numerous calculate TVLs, Blx, Bsx for shielding needs. On one, the patient scatter area was 20 sq cm rather than 40 sq cm.

An I-125 implant gives 95% of the total dose in ____ days?

Calculate Dy/Dx for a train of 10:10:10 mgRaeq sources at a spacing of 2cm, X and Y are 2cm off the transverse axis of the middle and an end needle.

Numerous RAPHEX-type MU calculations. Find cord dose given CAX dose from AP/PA treatments.

What is the range of a Sr-90 beta in air?