



Figure 2 (a) patient I-1 Multiple bilateral symmetric bony abnormalities, particularly involving the heads of the middle phalanges are seen. The distal/heads of the middle phalanges are irregular, flattened, and angulated towards the radial aspect. Shortening of the middle phalanges, worst at the second and fifth digit is seen. There is abnormal broadening and flattening of the second middle phalanx of the left hand with mild joint space loss at the PIP joint. (b) patient II-1. There are bilateral symmetric advanced secondary degenerative changes affecting the PIP, DIP and IP joints bilaterally. There is joint space loss affecting the second through fifth PIP joints bilaterally and all DIP joints bilaterally. Subchondral cyst and sclerosis, and large osteophytes are seen. There are gross angular deformities affecting the PIP and DIP joints bilaterally.