

DDR Bibliography

General Technique and Review Articles

Tanaka R. Dynamic chest radiography: flat-panel detector (FPD) based functional X-ray imaging. *Radiol Phys Technol*. 2016;9(2):139-153. doi: [10.1007/s12194-016-0361-6](https://doi.org/10.1007/s12194-016-0361-6)

Donald Benson, Padma Manapragada, Nina LJ Terry, Srinidhi Tridandapani, Satinder Singh. Clinical Cardiopulmonary Applications of Dynamic Digital Radiography. Presented at the 40th Annual Meeting of The Society of Thoracic Radiology, March 2022.

Tanaka R, Sanada S, Sakuta K, Kawashima H, Kishitani Y. Low-dose dynamic chest radiography combined with bone suppression technique. ECR 2015 EPOS. Published March 4, 2015. Accessed March 31, 2021. <https://epos.myesr.org/poster/esr/ecr2015/C-0239>

Robinson R e., Mclenaghan D, Agarwal H, *et al*. Assessing the Inter-Operator Variability in Dynamic Chest Radiography Image Interpretation. In: A66. A Sharper Image: Novel Imaging Methodologies. American Thoracic Society International Conference Abstracts. American Thoracic Society; 2020:A2344-A2344. doi: [10.1164/ajrccm-conference.2020.201.1_MeetingAbstracts.A2344](https://doi.org/10.1164/ajrccm-conference.2020.201.1_MeetingAbstracts.A2344)

Gillingham N, Santibanez V, Gupta Y, Braun N, O'Sullivan M, Concepcion J. Dynamic Digital Radiography of the Thorax: What the Radiologist Needs to Know. Presented at the 107th Scientific Assembly and Annual Meeting of the RSNA, Chicago Nov 2021. <https://dps2021.rsna.org/exhibit/?exhibit=CHEE-17>

Hino T, Hata A, Yamada Y, Hida T, Yamasaki Y, Kamitani T, Ishigami K, Kudoh S, Hatabu H. Dynamic Chest X-ray Using A Flat-panel Detector System: An Update. Presented at the 107th Scientific Assembly and Annual Meeting of the RSNA, Chicago Nov 2021. <https://dps2021.rsna.org/exhibit/?exhibit=CHEE-102>

Hashimoto N, Machida H, Yamashita K, *et al*. Influence of pulse width on blurring and ghost artifact, visibility of pulmonary nodules, and measurement of diaphragmatic movement in dynamic chest radiography. ECR 2021 EPOS. Published March 11, 2021. Accessed February 14, 2022. <https://epos.myesr.org/poster/esr/ecr2021/C-11291>

Pulmonary Function

FitzMaurice TS, McCann C, Nazareth DS, Walshaw MJ. Characterisation of hemidiaphragm dysfunction using dynamic chest radiography: a pilot study. *ERJ Open Research*. Published online January 1, 2021. doi:[10.1183/23120541.00343-2021](https://doi.org/10.1183/23120541.00343-2021)

Katsume Y, Miwa Y, Ueda A, Soejima K. Underdiagnosis of phrenic nerve palsy caused by cryoballoon ablation for atrial fibrillation with upright position chest radiography: usefulness of supine position dynamic chest radiography. *Europace*. Published online August 5, 2021;euab173. doi:[10.1093/europace/euab173](https://doi.org/10.1093/europace/euab173)

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Ventilation/Perfusion

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ILD

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Therapy/Intervention Planning or Follow-up

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Trachea Function

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Cardiac

Tanaka R, Sanada S, Tsujioka K, Matsui T, Takata T, Matsui O. Development of a cardiac evaluation method using a dynamic flat-panel detector (FPD) system: a feasibility study using

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Cystic Fibrosis

FitzMaurice TS, McCann C, Nazareth DS, McNamara PS, Walshaw MJ. Use of Dynamic Chest Radiography to Assess Treatment of Pulmonary Exacerbations in Cystic Fibrosis. *Radiology*. Published online March 15, 2022:212641. doi:[10.1148/radiol.212641](https://doi.org/10.1148/radiol.212641)

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Covid-19

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Orthopedic Applications

Xiao A, McGinley B, Ahmed A, Gottschalk M, Wagner E. Poster 153: Dynamic Radiographic Evaluation of Scapulohumeral Rhythm in Patients with Massive vs Small Rotator Cuff Tears. *Orthopaedic Journal of Sports Medicine*. July 2022. [doi:10.1177/2325967121S00714](https://doi.org/10.1177/2325967121S00714)

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Angel Xiong Xiao, Beau McGinley, Adil Ahmed, Michael Brandon Gottschalk, Eric R Wagner. Joint Salvage vs. Joint Replacement: Dynamic Radiographic Evaluation of Lower Trapezius Transfer and Reverse Shoulder Arthroplasty in the Treatment of Massive Rotator Cuff Tear. Presented at the AAOS Annual Meeting, March 2022. [Abstract link](#).

Angel Xiong Xiao, Beau McGinley, Michael Brandon Gottschalk, Eric R Wagner. Using Dynamic Digital Radiography to Measure Variation in Scapulohumeral Rhythm of Pathologic Shoulders. Presented at the AAOS Annual Meeting, March 2022. [Abstract link](#).

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AI and Advanced Image Processing Techniques

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