

## Computer-Aided Diagnosis

Introducing the concept of converting images to numbers  
(Lodwick *et al.*)

1973

## Texture Analysis Origins

Gray-level co-occurrence matrix (GLCM) definition  
(Haralick *et al.*)

## Early Tumor Clustering

First identification of necrosis and viable tissue subregions  
(Carano *et al.*)

2004

2007

## Quantitative Response Criteria

Choi criteria incorporating CT attenuation changes  
(Choi *et al.*)

2009

## Morphological Response Criteria

Qualitative assessment for colorectal liver metastases  
(Chun *et al.*)

2012

## Radiomics Formalized

Term coined; high-throughput feature extraction defined  
(Lambin *et al.*)

2013

## Habitat Imaging Formalized

Ecological framing of tumor subregions introduced  
(Gatenby *et al.*)

2014

## Radiomics Prognostic Value

Radiomic features predict outcomes across cancer types  
(Aerts *et al.*)

2017

## Handcrafted Standardization & Deep Learning

PyRadiomics and IBSI standardize features; deep learning enters radiology  
(van Griethuysen *et al.*; Zwanenburg *et al.*; Lakhani & Sundaram)

2024

## Foundation Models

Cancer imaging biomarker discovery with foundation models  
(Pai *et al.*)