PDPlanSetup planID = context.PDPlanSetup;

foreach (PDBeam fld in planID.Beams)

{

String Maschine2258 = "Q:/TrueBeam2258/QA\_xls/PD\_OF\_Test3\_2258.xlsx";

String Maschine4434 = "Q:/VitalBeam4434/QA\_xls/PD\_OF\_Test3\_4434.xlsx";

String Maschine4160 = "Q:/Clinac4160/QA\_xls/PD\_OF\_Test3\_4160.xlsx";

PortalDoseImage imgm = fld.PortalDoseImages.FirstOrDefault(); // erster Widerspruch: kann nur First… auslesen

Frame Fm = imgm.Image.FramesRT.FirstOrDefault() ;

string status = Fm.Image.ImageStatus.ToString(); // zweiter Widerspruch: kriege nur Status d ersten Feldes

//if (status == "Reviewed")

// {

int xsizem = Fm.XSize; int ysizem = Fm.YSize;

ushort[,] pixelsm = new ushort[xsizem, ysizem];

Fm.GetVoxels(0, pixelsm);

String Datum = Fm.CreationDateTime.Value.ToString("dd.MM.yyyy");

String Zeit = Fm.CreationDateTime.Value.ToString("HH:mm:ss");

String FName = fld.Id;

DoseImage imgp = fld.PredictedDoseImage;

Frame Fp = imgp.Image.FramesRT.FirstOrDefault();

int xsizep = Fp.XSize; int ysizep = Fp.YSize;

ushort[,] pixelsp = new ushort[xsizep, ysizep];

Fp.GetVoxels(0, pixelsp);

int CenterXm = Convert.ToInt32(Math.Ceiling(xsizem / 2.0));

int CenterYm = Convert.ToInt32(Math.Ceiling(ysizem / 2.0));

double CenterWertm = Fm.VoxelToDisplayValue(pixelsm[CenterXm, CenterYm]);

double ObenWertm = Fm.VoxelToDisplayValue(pixelsm[CenterXm, CenterYm - 410]);

double LinksWertm = Fm.VoxelToDisplayValue(pixelsm[CenterXm - 410, CenterYm]);

double RechtsWertm = Fm.VoxelToDisplayValue(pixelsm[CenterXm + 410, CenterYm]);

double UntenWertm = Fm.VoxelToDisplayValue(pixelsm[CenterXm, CenterYm + 410]);

int CenterXp = Convert.ToInt32(Math.Ceiling(xsizep / 2.0));

int CenterYp = Convert.ToInt32(Math.Ceiling(ysizep / 2.0));